



Technology with Vision

2026

HELLA AUSTRALIA
UNIVERSAL LIGHTING &
ELECTRICAL PRODUCTS



www.hella.com/australiansolutions



WELCOME TO HELLA

Over 120 years ago, HELLA began with a vision of automotive innovation and safety, which remains at our core today.

With quality products developed and built using state-of-the-art technology, the road ahead looks bright.

NEED ASSISTANCE?

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ONLINE <https://www.hella.com/en/australia-au.html>

- Expert professional advice from qualified auto-electricians
- Information on product availability and new releases
- Assistance with product selection and installation
- Online services including automotive catalogue with search functionality, store locator, newsletters and latest technology developments

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HELLA

Australia

For over a century, HELLA has focused on innovation, quality and optimum performance at a level beyond conventional industry standards. This no compromise approach has established HELLA as a trusted partner for the world's leading vehicle manufacturers and today HELLA is proud to be one of the top forty automotive suppliers in the world.

The Special Original Equipment Division at HELLA Australia is dedicated to developing custom lighting and electronic solutions for the complex requirements of specialist vehicle manufacturers in diverse sectors such as mining, construction, agriculture, emergency services and marine.

Through the Aftermarket Division, HELLA Australia supplies wholesale distributors and retailers with a diverse portfolio of high quality replacement parts for both passenger and commercial vehicles, teaming up with several other European Original Equipment brands, all of which are regarded as among the very best in their fields, in order to offer an even more diverse product range.

The HELLA Field Sales team and Customer Service advisors are the designated first point of contact, and customers can be assured of a prompt, helpful and knowledgeable response.

The Technical Specialists, Product Managers and Marketing team liaise directly with customers providing training, technical sales support and business development initiatives, which include bespoke lighting designs, marketing tools and promotions.



HELLA is an Original Equipment supplier to over 165 of the world's leading vehicle manufacturers including...

Aston Martin, Audi, BMW, Mercedes-Benz and Porsche	Case New Holland, Caterpillar, John Deere, Komatsu and Manitou
DAF, Daimler, Kenworth, MAN, Scania, Volvo	BCI, Iveco, MAN, Marcopolo, Mercedes-Benz, Scania, Volvo
Barker, Byford, Krone, Vawdrey, Wielton	Austal, Bavaria, Beneteau, Maritimo, Riviera

ICONS EXPLAINED

A variety of symbols are used to ensure a quick reference to many important product features throughout the catalogue.



DuraLED® LIFETIME WARRANTY
Refer to the website for further details.



GRILAMID® LENS MATERIAL
High performance clear polyamide for extreme impact, UV, chemical and stress resistance.



5 YEAR WARRANTY ON LED
Refer to the website for further details.



RFCommSafe™
Electromagnetic Compatibility (EMC).



FIT & FORGET BY DESIGN



ULTRAVIOLET RESISTANT
Utilises advanced impact resistant polymers that will not yellow or deteriorate.



ULTRA LONG LIFE LONGEVITY



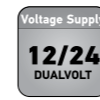
ULTRA WIDE VISIBILITY OPTICS
Providing increased light intensity that is well above ADR requirements for significantly improved side visibility.



MULTIVOLT™
Can be connected to either 12V or 24V DC electrical systems.



CORROSION-PROOF HOUSING



DUALVOLT
12V or 24V DC



HEAVY DUTY MOUNT



GLOBE INCLUDED



STAINLESS STEEL BRACKET



12V or 24V GLOBE INCLUDED



ECE CERTIFIED
Product is licensed according to ECE guidelines.



ENHANCED DEFINITION TECHNOLOGY
Utilises Enhanced Definition Technology (EDT) to maximise the visual impact of the signal function.



ADR COMPLIANT
Products displaying this symbol comply with Australian Design Rule, or ADR requirements. Refer to details on page 418.



HELLA COMPATIBILITY SOLUTION (HCS)
HCS technology for safe and seamless conversion to LED direction indicators. Refer to details on page 276.



RCM COMPLIANT
Regulatory Compliance Mark



LED TECHNOLOGY
Combining quality LEDs with advanced optic technology for class-leading efficiency.



DISPLAY PACK
Supplied in printed packaging suitable for retail display.



NUMBER OF LED LIGHT SOURCES
Defines the number of LED light sources used by the product.



HANG-SELL PACKAGING
Supplied in hang-sell blister packaging for retail display on existing merchandising systems.



RETAIL PACKAGING



Contents

Marker and Signal Lamps



Marker and Signal Lamps

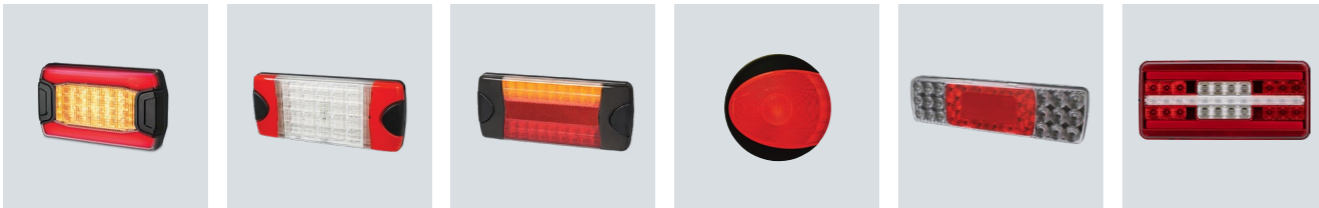
HELLA's range of Marker and Signal Lamps is accepted as the most advanced lighting solution for commercial vehicles.



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QUICK REFERENCE PRODUCT GUIDE

LED LAMPS



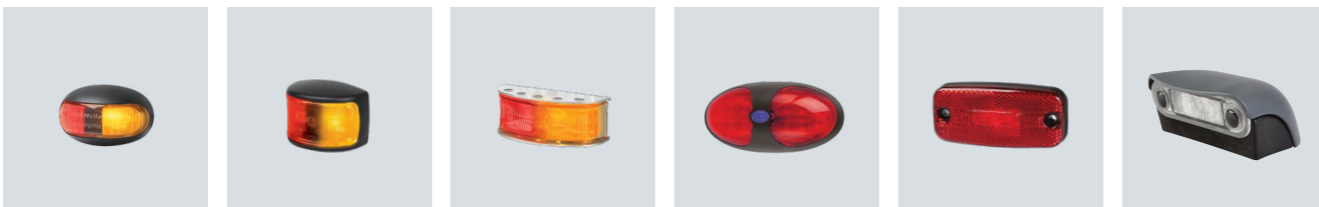
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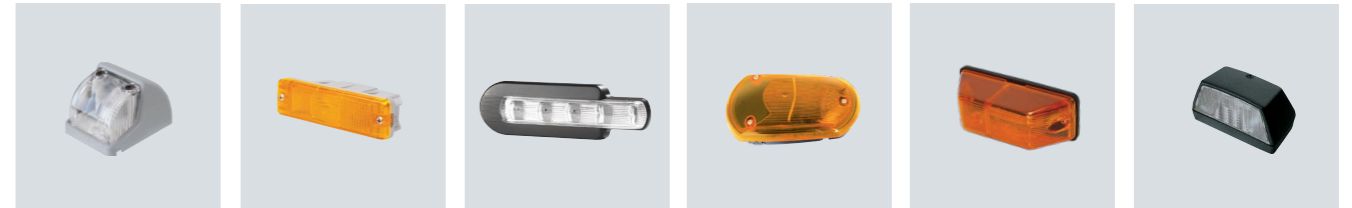


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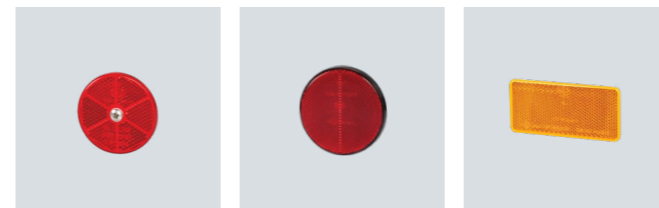
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GLOBE LAMPS



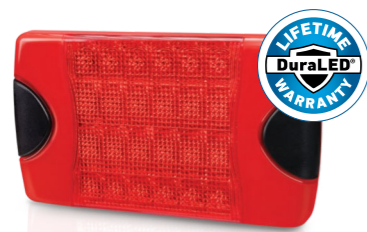
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REFLECTORS



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DuraLED-S Stop/Rear Position Lamp

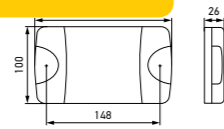


2SB 017 007-001



2SB 017 007-201

Optic appears clear until illuminated



2SB 017 007-001	SINGLE CARTON
2SB 017 007-201	GREY ENDS, SINGLE CARTON
2SB 017 007-007	BULK PACK OF 12
Mounting	Surface mount with mounting bushes supplied. Suitable for horizontal and vertical mounting.
Voltage	Multivolt™ for optimum brightness at input voltages from 9 to 33 volts
Power Consumption	Stop: 8W Rear Position: 2W Night: 2W
Temperature	Operating range -40° to +60°C
Lens Material	Hi Impact PMMA
Protection	Reverse polarity and transient spike circuit protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)
Cable	2.5m of sheathed multi-core cable.
Compliance:	5942 ECE R148/01 5082 ECE R10/06 ADR 49/00

DuraLED-S Rear Direction Indicator Lamp



2BA 017 006-001



2BA 017 006-201

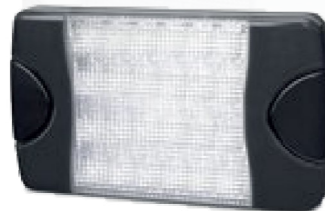
Optic appears clear until illuminated

2BA 017 006-001	SINGLE CARTON
2BA 017 006-201	GREY ENDS, SINGLE CARTON
2BA 017 006-007	BULK PACK OF 12
Mounting	Surface mount with mounting bushes supplied. Suitable for horizontal and vertical mounting.
Voltage	Multivolt™ for optimum brightness at input voltages from 9 to 33 volts
Power Consumption	7W
Temperature	Operating range -40° to +60°C
Lens Material	Hi Impact PMMA
Protection	Reverse polarity and transient spike circuit protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)
Cable	2.5m of sheathed multi-core cable.
Compliance:	0924 ECE R148/01 4530 ECE R10/06 ISO 13207-1 ADR 6/00: Cat 2a

DuraLED-S Reversing Lamp



2ZR 017 008-001



2ZR 017 008-201

Optic appears clear until illuminated

2ZR 017 008-001	SINGLE CARTON
2ZR 017 008-201	GREY ENDS, SINGLE CARTON
Mounting	Surface mount with mounting bushes supplied. Suitable for horizontal and vertical mounting.
Voltage	Multivolt™ for optimum brightness at input voltages from 9 to 33 volts
Power Consumption	10W
Temperature	Operating range -40° to +60°C
Lens Material	Hi Impact PMMA
Protection	Reverse polarity and transient spike circuit protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)
Cable	2.5m of sheathed multi-core cable.
Compliance:	0925 ECE R148/01 5081 ECE R10/06 ADR 1/00

DuraLED Prime

A modern, stylish clear lens, and signature glowing body design builds on 25 years of engineering prowess and HELLA's 'Fit & Forget' reliability. The distinctive glowing body is integrated into all model variants —Stop, Indicator, and Reverse— bringing a refined, uniform style to any vehicle or trailer unit.



2BA 350 300-031 / 2BA 350 300-041

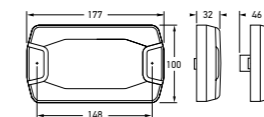
2BA 350 300-011 / 2BA 350 300-021



2SB 350 300-051 / 2SB 350 300-061



2ZR 350 300-071 / 2ZR 350 300-081



2BA 350 300-031	DuraLED® PRIME Rear Direction Flashing Indicator Lamp	SINGLE CARTON
2BA 350 300-011	DuraLED® PRIME Rear Direction Swiping Indicator Lamp	
2BA 350 300-041	DuraLED® PRIME Rear Direction Flashing Indicator Lamp with DT Connector	
2BA 350 300-021	DuraLED® PRIME Rear Direction Swiping Indicator Lamp with DT Connector	
2BA 350 300-037	DuraLED® PRIME Rear Direction Flashing Indicator Lamp (BULK)	BULK PACK OF 12
2SB 350 300-051	DuraLED® PRIME Stop/Rear Position Lamp	SINGLE CARTON
2SB 350 300-061	DuraLED® PRIME Stop/Rear Position Lamp with DT Connector	BULK PACK OF 12
2SB 350 300-057	DuraLED® PRIME Stop/Rear Position Lamp (BULK)	
2ZR 350 300-071	DuraLED® PRIME Reversing Lamp	
2ZR 350 300-081	DuraLED® PRIME Reversing Lamp with DT Connector	SINGLE CARTON

Mounting	Surface mount with mounting bushes supplied. Suitable for horizontal and vertical mounting (Horizontal only for Swiping Direction Indicator Lamp)
Voltage	Multivolt™ for optimum brightness at input voltages from 9 to 33 volts
Power Consumption	Tail: 4.6W Stop: 4.2W Rear Direction Indicator: 4.0W Reverse Light: 4.4W
Temperature	Operating range -40° to +60°C
Material	Housing: ASA Lens: High impact resistant PMMA
Protection	Reverse polarity and transient spike circuit protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)
Cable	2.5m of sheathed multi-core cable, or DT Connector
Compliance	CISPR 25 Class 3
Stop/Tail	5945 ECE R148/01 ADR 49/00 6480 ECE R10/06
Rear Direction Indicator/Tail	5945 ECE R148/01 ADR 6/00:Cat 2a, ADR 49/00 6478 ECE R10/06
Reverse/Tail	5945 ECE R148/01 ADR 1/00, ADR49/00 6479 ECE R10/06

The new evolution of the DuraLED® Combi has arrived.



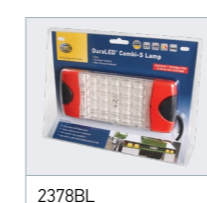
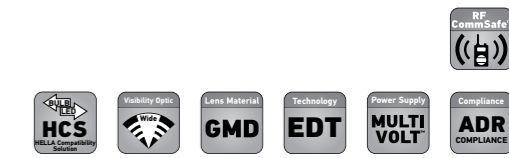
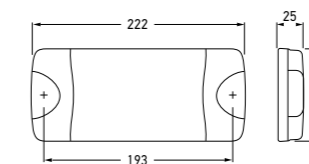
Upgrade to the Latest Technology

HELLA introduces the latest upgrade to the iconic DuraLED® Combi with a new slim design, featuring a depth of just 25mm. Combining all the features transport professionals depend upon; world-class materials, unsurpassed design, exceptional performance, and after sales service second to none, the new DuraLED® Combi will be the next staple in road transport lighting arsenals.

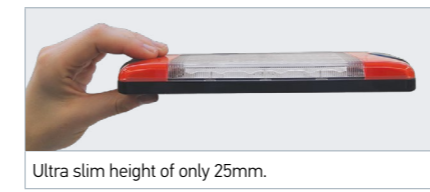
Part Numbers	Slim	Power Supply MULTI VOLT	RF CommSafe (H)	Cable Length (mtrs)	Built-in DT Connector	Lens Material GMD	HCS HELLA Compliance Solutions	Additional Functions	Application
2377	✓	12/24V	✓	2.5	-	✓	-	Retro Reflector	Truck/Trailer
2378	✓	12/24V	✓	2.5	-	✓	-	-	Heavy Duty Commercial High Impact Protection
2378-BL	✓	12/24V	✓	2.5	-	✓	-	-	Heavy Duty Commercial High Impact Protection
2378-CS	✓	12/24V	✓	2.5	-	✓	✓ 24V	-	Heavy Duty Commercial High Impact Protection
2378-DT	✓	12/24V	✓	-	✓	✓	-	Night	Heavy Duty Commercial High Impact Protection
2378-DTCS	✓	12/24V	✓	-	✓	✓	✓ 24V	Night	Heavy Duty Commercial High Impact Protection
2VP 015 074-001	✓	12/24V	-	2.5	-	✓	-	Retro Reflector	Heavy Duty Commercial High Impact Protection
2VP 015 074-101	✓	12/24V	-	2.5	-	✓	✓ 12/24V	Retro Reflector	Heavy Duty Commercial High Impact Protection
2VP 015 075-001	✓	12/24V	-	-	✓	✓	-	Retro Reflector	Heavy Duty Commercial High Impact Protection
2VP 015 075-101	✓	12/24V	-	-	✓	✓	✓ 12/24V	Retro Reflector	Heavy Duty Commercial High Impact Protection

DuraLED® Combi-S Stop/Rear Position/Rear Direction Indicator Lamp - Heavy Duty

DuraLED® combination lamp featuring Ultra Wide Visibility Optics for significantly improved side visibility and Enhanced Definition Technology (EDT). Suitable for commercial vehicles and boat trailers. Shockproof and fully sealed to withstand water submersion and high-pressure washing. Optic appears clear until illuminated.



2378BL



Ultra slim height of only 25mm.

2378	2SD 980 613-001	
2378BL	2SD 980 613-002	BLISTER PACK
2378BULK	2SD 980 613-007	PACK OF 12
2378-CS	2SD 980 613-201	HCS TECHNOLOGY (24V ONLY)
2378-6MBULK	2SD 980 613-037	PACK OF 12

Mounting	Two hole surface mount with mounting bushes supplied. Suitable for horizontal or vertical mounting.		
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems		
Power Consumption	Stop:	5W	
	Rear position:	1W	
	Rear direction indicator:	5W	
Protection	Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS) IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)		
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable		
Lens Material	Nylon (PA12)		
Compliance	ADR 6/00: Cat 2a E24 5883	ADR 49/00 ECE R6/01	ISO 13207-1 (2378-CS only) ECE R7/02

See page 276 for further information on HCS Technology and ISO 13207-1.

COMBI-S LAMP FUNCTIONS



DuraLED® Combi-S Trailer Lighting Kit

A complete Fit and Forget solution for commercial trailers or boat trailers.



2378-TP	2VB 980 613-801	
Kit Contents	Each trailer lamp kit contains:	
	2 x 2378	DuraLED® Combi-S stop/rear position and rear direction indicator lamp with 6m sheathed multi-core cable
	2 x 2923	Red retro reflector
	1 x 2559-1	LED licence plate lamp with 5m sheathed multi-core cable
	1 x 4921	7 pole flat plug



DuraLED® Combi-S Stop/Rear Position/Rear Direction Indicator Lamp with DT Connector and Night Light - Heavy Duty

DuraLED® combination lamp featuring Ultra Wide Visibility Optics for significantly improved side visibility and Enhanced Definition Technology (EDT). Night light function allows illumination of the rear position lamp independently from the remaining marker lamps on the vehicle, resulting in low power consumption. Suitable for commercial and boat trailers. Shockproof and fully sealed to withstand water submersion and high-pressure washing. Optic appears clear until illuminated.



Rear view showing DT connector that allows application of self-adhesive heat shrink.



2378DT	2SD 980 602-001	
2378DTCS	2SD 980 602-201	HCS TECHNOLOGY (24V ONLY)
Mounting	Two hole surface mount with mounting bushes supplied. Suitable for horizontal or vertical mounting.	
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems	
Power Consumption	Stop: 5W Rear position: 1W	Rear direction indicator: 5W Night: 1W
Protection	As per Part No. 2378.	
Accessory	4963-P 6 pole DT plug, wedge and 6 contacts	
Lens Material	Nylon (PA12)	
Compliance	ADR 6/00: Cat 2a E24 5883	ADR 49/00 ECE R6/01
	ISO 13207-1 (2378-DTCS only)	ECE R7/02

See page 276 for further information on HCS Technology and ISO 13207-1.



4963-P
Not included with lamp.

DuraLED® Combi-S Stop/Rear Position/Rear Direction Indicator/Reversing Lamp with DT Connector and Night Light

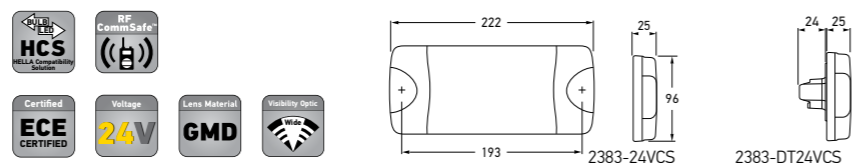
DuraLED® combination lamp featuring modern clear lens design. Low power consumption and long life equates to economical running costs. Ideal for 24V commercial vehicles. Optic appears clear until illuminated.



Ultra slim height of only 25mm.



Rear view showing DT connector that allows application of self-adhesive heat shrink.



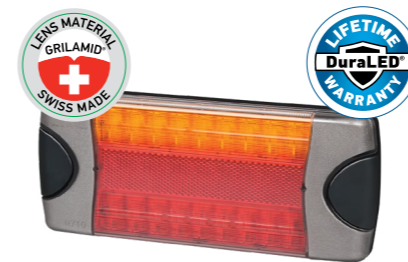
2383-24VCS	2SK 980 613-511 – Incorporates HCS technology	2.5M CABLE
2383-DT24VCS	2SK 980 602-511 – Incorporates HCS technology	DT CONNECTOR
Mounting	Two hole surface mount with mounting bushes supplied. Suitable for horizontal mounting.	
Voltage	24V DC	
Power Consumption	Stop: 3W Rear position: 1W Night (2383-DT24VCS only): 1W	Rear direction indicator: 3W Reverse: 3W
Protection	Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS) IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)	
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable (except DT versions)	
Accessory	4963-P 6 pole DT plug, wedge and 6 contacts	
Lens Material	Nylon (PA12)	
Compliance	E24 5894 ECE R10	ECE R6/01 ECE R7/02 ECE R23/00 ISO 13207-1

COMBINATION LAMP FUNCTIONS



DuraLED® Combi-R Stop/Rear Position/Rear Direction Indicator Lamp with Retro Reflector

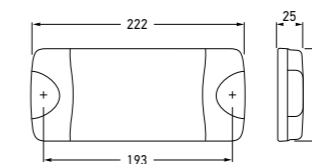
DuraLED® combination lamp with 34cm² red retro reflector which features Enhanced Definition Technology (EDT). Suitable for light commercial vehicle and boat trailers. Shockproof and fully sealed to withstand water submersion and high-pressure washing.



2377BL



Ultra slim height of only 25mm.



2377	2VA 980 710-011	
2377BL	2VA 980 710-012	BLISTER PACK
2377BULK	2VA 980 710-017	PACK OF 12
Mounting	Two hole surface mount with mounting bushes supplied. Suitable for horizontal mounting.	
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems	
Power Consumption	Stop: 4W Rear position: 1W Rear direction indicator: 4W	
Protection	Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS). IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)	
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable	
Lens Material	Nylon (PA12)	
Compliance	ADR 47/00 E24 5882	ADR 6/00: Cat 2a ECE R6/01
	ADR 49/00 ECE R7/02	ECE R3/02

See page 76 for DuraLED® accessories.

COMBI-R LAMP FUNCTIONS



DuraLED® Combi-R Trailer Lighting Kit

A complete Fit and Forget solution for trailers or caravans.



2377-TP	2VA 980 710-811	
Kit Contents	Each trailer lamp kit contains:	
	2 x 2377	DuraLED® Combi-R stop/rear position and rear direction indicator lamp with retro reflector and 6m sheathed multi-core cable
	1 x 2559-1	LED licence plate lamp with 5m sheathed multi-core cable
	1 x 4921	7 pole flat plug



DuraLED® Combi-SR Stop/Rear Position/Rear Direction Indicator/Reversing Lamp with Retro Reflector

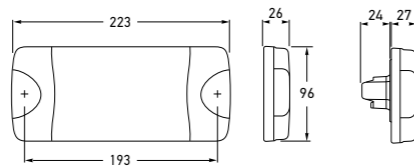
DuraLED® Combi-SR incorporates a built-in retro reflector, saving both time and money on installation. The all-in-one design makes the DuraLED® Combi-SR the ideal choice for trucks, utes and vehicles with limited space to mount a separate reflector.



Rear view showing DT connector



4963-P (not included with lamp)



2VP 015 074-001	CARTON PACK
2VP 015 074-002	BLISTER PACK
2VP 015 074-007	PACK OF 12
2VP 015 074-101	HCS 12/24V
2VP 015 075-001	DT
2VP 015 075-101	DT, HCS 12/24V

Mounting	Suitable for horizontal mounting Two hole surface mount with mounting bushes supplied
Voltage	Multivolt™ suitable for 12 and 24 volt systems
Power Consumption	Stop: 5W Rear position: 1.5W Rear direction indicator: 6W Reverse: 2W Night light: 1.5W (DT version only)
Protection	Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS) IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable (non DT version)
Accessory	4963-P 6 pole DT plug, wedge and 6 contacts (DT version)
Lens Material	Nylon (PA12)
Compliance	ECE R148 ECE R150 ECE R10 ISO 13207-1 ADR 1/00, ADR 6/00 : Cat 2a, ADR 47/00, ADR 49/00

See page 76 for DuraLED® accessories.

COMBI-SR LAMP FUNCTIONS



Click for video

HELLA DURALED® COMBI-SR

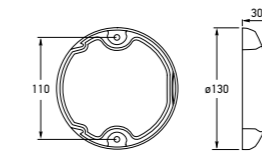
5 FUNCTION LED LAMP

ALL-IN-ONE

LIFETIME WARRANTY

EuroLED Stop/Rear position lamp

EuroLED® stop, rear position lamp with red lens. The use of precision optics enables a single high intensity LED to be used in a commercial vehicle lamp, resulting in low power consumption. Features HELLA Ultra Wide Visibility Optics for significantly improved side visibility.

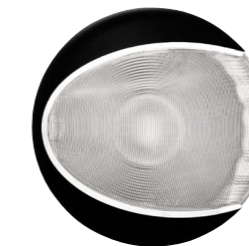


2366	2SB 959 821-001
Mounting	Two hole surface mount with mounting bushes supplied
Voltage	Multivolt™ for optimum brightness at input voltages from 9 to 33 volts
Power Consumption	Stop: 2.5W Rear position: 0.5W
Protection	Reverse polarity and 1500 watt Transient Voltage Suppressor (TVS) IP 6K6 (Protection against dust and high-pressure water jets) IP 6K7 (Protection against dust and temporary water immersion)
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable
Compliance	ADR 49/00 E4 10208 ECE R7/02

See page 78 for EuroLED® accessories.

EuroLED® Reversing Lamp

EuroLED® reversing lamp with clear lens and single LED. The use of precision optics enables a single high intensity LED to be used in a commercial vehicle lamp, resulting in low power consumption. Features HELLA Ultra Wide Visibility Optics for significantly improved side visibility.



1433	2ZR 959 820-001
Mounting	Two hole surface mount with mounting bushes supplied
Voltage	Multivolt™ for optimum brightness at input voltages from 9 to 33 volts
Power Consumption	2.5W
Protection	As per Part No. 2366
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable
Compliance	ADR 1/00 E4 10208 ECE R23/00

Reversing lamps are not designed for continuous operation.

EuroLED® Rear Direction Indicator Lamp

EuroLED® rear direction indicator lamp with amber lens and single LED. Features HELLA Ultra Wide Visibility Optics for significantly improved side visibility. The use of precision optics enables a single high intensity LED to be used in a commercial vehicle lamp, resulting in low power consumption. Features HELLA Ultra Wide Visibility Optics for significantly improved side visibility.

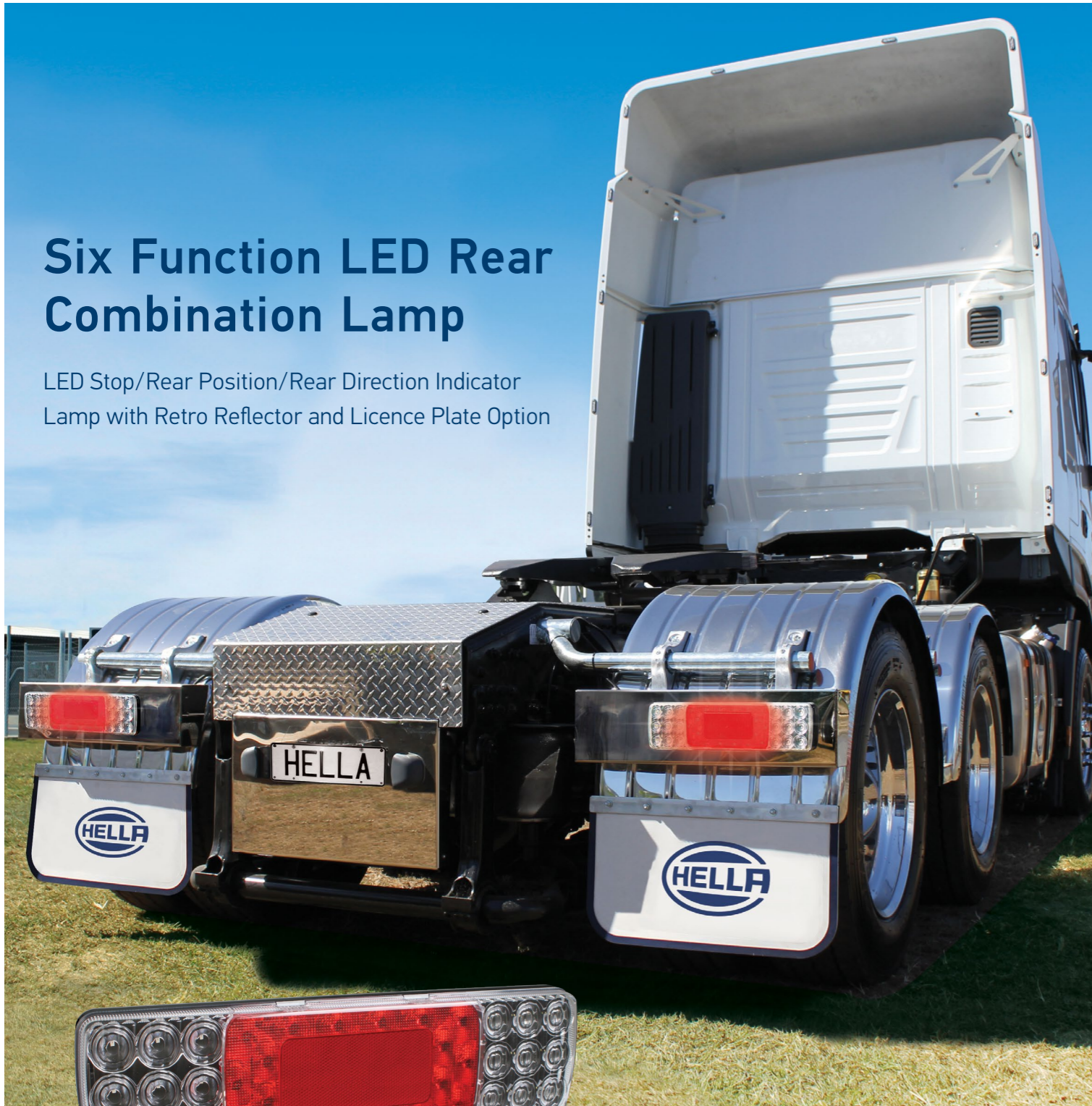


2133	2BA 959 822-001
Mounting	Two hole surface mount with mounting bushes supplied
Voltage	Multivolt™ for optimum brightness at input voltages from 9 to 33 volts
Power Consumption	2.5W
Protection	As per Part No. 2366
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable
Compliance	ADR 6/00: Cat 2a E4 10208 ECE R6/01 ISO 13207-1 (2133-CS only)

See page 276 for further information on HCS Technology and ISO 13207-1.
See page 78 for EuroLED® accessories.

Six Function LED Rear Combination Lamp

LED Stop/Rear Position/Rear Direction Indicator Lamp with Retro Reflector and Licence Plate Option



LED Combination lamp retail packaging

These stylish lamps combine form with function, incorporating stop, rear position, and rear direction indicator lamps with a central reflector, and offer an optional licence plate lamp function. To combine all rear marker and signal functions in a single lamp with a single five core cable allows for a significant reduction in installation time.

This lamp is protected by a lens made of specially formulated high impact acrylic, which is resistant to long-term harsh UV exposure and tolerant to chemicals commonly used in the transport industry. Our team designed this lamp to HELLA's Fit and Forget standard, to withstand the most demanding environments.

All features of this six function rear combination lamp, including the latest ISO 13207-1 compliance, are designed to ensure lowest cost of ownership for the astute transport operator.

LED Stop/Rear Position/Rear Direction Indicator/Reversing Lamp with Retro Reflector

LED combination lamp with 64cm² red retro reflector. Modern clear lens design with black mounting base.

Features HCS Technology with ISO 13207-1 compliance. Shockproof and fully sealed to withstand water submersion and high-pressure washing. Direction indicator optic appears clear until illuminated.



2391

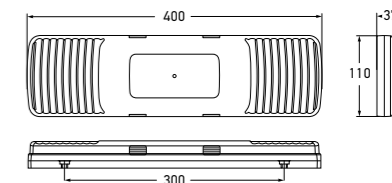
LED Stop/Rear Position/Rear Direction Indicator/Reversing Lamp with Retro Reflector and Licence Plate Function

LED combination lamp with 64cm² red retro reflector and licence plate function. Modern clear lens design with black mounting base.

Features HCS Technology with ISO 13207-1 compliance. Shockproof and fully sealed to withstand water submersion and high-pressure washing. Direction indicator optic appears clear until illuminated.



2392L



2391	2VP 980 980-001	HCS TECHNOLOGY - 24V ONLY
Mounting	Two bolt surface mount with mounting accessories supplied. Suitable for horizontal mounting.	
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems	
Power Consumption	Stop: 5W Rear position: <2W Rear direction indicator: 6W Reverse: 5W	
Protection	Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS). IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)	
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable	
Compliance	ADR 1/00 ADR 6/00: Cat 2a ADR 47/00 ADR 49/00 ISO 13207-1	

See page 276 for further information on HCS Technology and ISO 13207-1.

COMBINATION LAMP FUNCTIONS

Stop	Rear position	Rear direction indicator	Reverse



2392L	2VD 980 980-011 - Left Hand Side	HCS TECHNOLOGY - 24V ONLY
2392R	2VD 980 980-021 - Right Hand Side	HCS TECHNOLOGY - 24V ONLY
Mounting	Two bolt surface mount with mounting accessories supplied. Suitable for horizontal mounting.	
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems	
Power Consumption	Stop: 5W Rear position/Licence plate: <2W Rear direction indicator: 6W Reverse: 5W	
Protection	Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS). IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)	
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable	
Compliance	ADR 1/00 ADR 6/00: Cat 2a ADR 47/00 ADR 48/00 ADR 49/00 ISO 13207-1	

See page 276 for further information on HCS Technology and ISO 13207-1.

COMBINATION LAMP FUNCTIONS

Stop	Rear position	Rear direction indicator	Reverse	Licence plate

Compact LED rear lamp

The compact full-LED rear lamp 328 630 offers fascinating new design options and five light functions based 100 percent on reliable LED technology. Its compact design and robust construction is ideal for demanding environments.

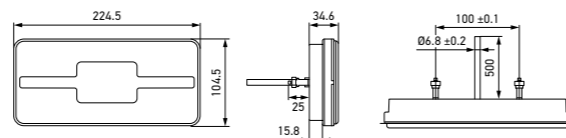


2VP 328 630-011



2VP 328 630-021

[Click for video](#)

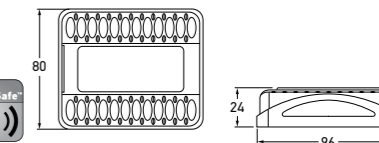


2VP 328 630-011 Horizontal Mount with Wiping Direction Indicator			
2VP 328 630-021 Vertical Mount with Flashing Direction Indicator			
Mounting	Surface mount, 2 x 25mm M6 stud bolt, separation 100mm		
Operating voltage	Multivolt for optimum brightness in 12 and 24 volt systems		
Voltage range		12V	24V
	Rear position-stop-direction indicator-reverse lamp	9 – 16 V	18 – 32 V
	Rear fog lamp	10.5–16V	18 – 32 V
		13.5 V	28 V
Current consumption	Rear position lamp	min. 131 mA max. 220 mA	min. 80 mA max. 128 mA
	Stop lamp	min. 91 mA max. 122 mA	min. 59 mA max. 77 mA
	Direction indicator lamp	min. 213 mA max. 320 mA	min. 120 mA max. 176 mA
	Reverse lamp	min. 194 mA max. 276 mA	min. 106 mA max. 150 mA
	Rear fog lamp	min. 139 mA max. 207 mA	min. 81 mA max. 118 mA
Lamp function	Rear position lamp, stop lamp, direction indicator lamp, reverse lamp, rear fog lamp and retro reflectors		
Light source	Rear position lamp: 30 LEDs Stop lamp: 6 LEDs Direction indicator lamp: 12 LEDs Reverse lamp: 8 LEDs Rear fog lamp: 6 LEDs		
Material	External lens: Polycarbonate		
Weight	420 g		
Protection class	IP 6K9K		
Cable length	Prewired with 0.5m sheathed multicore cable		
Type approval	ECE-R148, ECE-R150, ADR		
EMC protection	ECE-R10		
Connection	51050 mm cable with oApMePn-eSnUdPsE		
Mechanical connection	2 x M6 stud bolt (length: 25 mm / distance: 100 mm)		
Compliance	ECE-R148, ECE-R150, ADR 49/00, ADR 1/00, ADR 52/00, ADR 47/00, ISO 13207-1, ECE-R10 ADR 6/00 Cat 2a		



LED Stop/Rear Position /Rear Direction Indicator Lamp

LED stop, rear position and rear direction indicator lamp with 18cm² red retro reflector. Modern clear lens design with black mounting base. Low power consumption and long life equates to economical running costs. Convenient mounting base with multiple fixing points allow easy fitment to most trailers/ vehicles. The lamp is fully sealed against dust and moisture ingress. Optic appears clear until illuminated.



2394	2VA 980 720-071	
2394BULK	2VA 980 720-077	PACK OF 18
2394-6M	2VA 980 720-021	
2394-6MBULK	2VA 980 720-027	PACK OF 10
2394-9MBULK	2VA 980 720-037	PACK OF 12
Mounting	Surface mount with choice of mounting holes. Lamp clips into mounting base. Suitable for horizontal or vertical mounting.	
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems	
Power Consumption	Stop:	2W
	Rear position:	1W
	Rear direction indicator:	2W
Protection	Reverse polarity and transient spike circuit protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)	
Cable Length	2394	Pre-wired with 0.5m of sheathed multi-core cable
	2394-6M	Pre-wired with 6m of sheathed multi-core cable
	2394-9M	Pre-wired with 9m of sheathed multi-core cable
Spare Parts	9.2394.09	Mounting spacer (not included)
Lens Material	Nylon (PA12)	
Compliance	ADR 6/00: Cat 2a	ADR 47/00 ADR 49/00

TRAILER LAMP FUNCTIONS



LED Stop/Rear Position/Rear Direction Indicator Lamp with Licence Plate Function

LED stop, rear position and rear direction indicator lamp with 18cm² red retro reflector and licence plate function. Modern clear lens design with black mounting base. Low power consumption and long life equates to economical running costs. Convenient mounting base with multiple fixing points allow easy fitment to most trailers/vehicles. The lamp is fully sealed against dust and moisture ingress. Optic appears clear until illuminated.

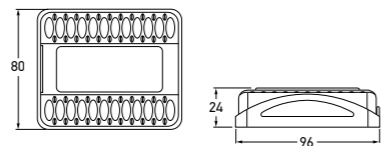


9.2394.09 Mounting spacer (not included) 2395



LED Combination Lamp Trailer Kit

LED trailer lamp incorporating a modern clear lens design with an 18cm² red retro reflector. The optic in the lamp appears clear until illuminated.



2395	2VB 980 720-561	
2395-6M	2VB 980 720-511	
2395-6MBULK	2VB 980 720-513	PACK OF 10
2395-9MBULK	2VB 980 720-527	PACK OF 12
Mounting	Surface mount with choice of mounting holes. Lamp clips into mounting base. Suitable for horizontal or vertical mounting.	
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems	
Power Consumption	Stop: 2W Rear position/Licence plate: 1W Rear direction indicator: 2W	
Protection	Reverse polarity and transient spike circuit protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)	
Cable Length	2395 Pre-wired with 0.5m of sheathed multi-core cable 2395-6M Pre-wired with 6m of sheathed multi-core cable 2395-9M Pre-wired with 9m of sheathed multi-core cable	
Spare Parts	9.2394.09 Mounting spacer (not included)	
Lens Material	Nylon (PA12)	
Compliance	ADR 6/00: Cat 2a ADR 47/00 ADR 48/00 ADR 49/00	

TRAILER LAMP FUNCTIONS

Stop	Rear direction indicator	Rear position/Licence plate



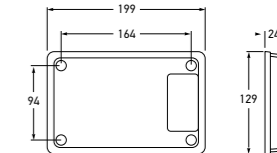
2395-TP	2VB 980 720-811	
2395-TP9M	2VB 980 720-861	9M CABLE
Lens Material	Acrylic	
Kit Contents	Each trailer lamp kit contains: 1 x 2394 Stop/rear position/rear direction indicator lamp with reflex reflector 1 x 2395 Stop/rear position/rear direction indicator/licence plate lamp function with reflex reflector 8 x Connectors Crimp connectors with heat shrink insulation	

Jumbo-S LED Stop/Rear Position Lamp

Jumbo-S LED stop, rear position lamp with inbuilt 23cm² red retro reflector, featuring Enhanced Definition Technology (EDT) for the stop signal function. New low profile design allows surface mounting with gasket accessory (Part No. 9.2361.08).



2361BL



2361	2TA 980 760-011	
2361BL	2TA 980 760-012	BLISTER PACK
Mounting	Retrofit to update existing Jumbo or Designline lamps. Suitable for horizontal or vertical mounting.	
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems	
Power Consumption	Stop: 5W Rear position: 1W	
Protection	Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS) IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)	
Cable Length	Pre-wired with 200mm of cable	
Compliance	ADR 47/00 ADR 49/00	

See page 79 for Jumbo-S accessories.

Jumbo-S LED Rear Direction Indicator Lamp

Jumbo-S LED rear direction indicator lamp with inbuilt 23cm² red retro reflector. New low profile design allows surface mounting with gasket accessory (Part No. 9.2361.08). Features HCS Technology with ISO 13207-1 compliance.



2161BL



2161	2BR 980 761-011	
2161BL	2BR 980 761-012	BLISTER PACK
2161-CS	2BR 980 761-021	HCS TECHNOLOGY - 24V ONLY
Mounting	Retrofit to update existing Jumbo or Designline lamps. Suitable for horizontal or vertical mounting.	
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems	
Power Consumption	4W	
Protection	As per Part No. 2361	
Cable Length	Pre-wired with 200mm of cable	
Compliance	ADR 6/00: Cat 2a ADR 47/00 ISO 13207-1 (2161-CS only)	

See page 276 for further information on HCS Technology and ISO 13207-1.

Jumbo-S LED Reversing Lamp

Jumbo-S LED reversing lamp with inbuilt 23cm² red retro reflector. New low profile design allows surface mounting with gasket accessory (Part No. 9.2361.08).



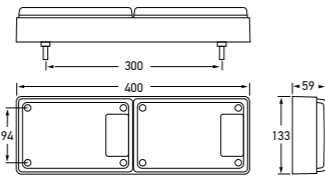
1461BL



1461	2ZR 980 762-011
1461BL	2ZR 980 762-012 BLISTER PACK
Mounting	Retrofit to update existing Jumbo or Designline lamps. Suitable for horizontal or vertical mounting.
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems
Power Consumption	4W
Protection	Reverse polarity and transient spike circuit protection IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)
Cable Length	Pre-wired with 200mm of cable
Compliance	ADR 1/00 ADR 47/00
Reversing lamps are not designed for continuous operation.	

Jumbo-S LED Double Module Stop/Rear Position/Rear Direction Indicator Lamp

Jumbo-S LED stop, rear position, rear direction indicator lamp with 23cm² red retro reflectors. Lamps are pre-assembled and wired into housing for easy installation. Features HCS Technology with ISO 13207-1 compliance.

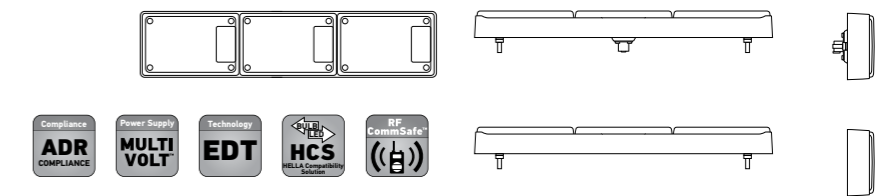


2429	2VA 980 760-801
2429-CS	2VA 980 761-801 HCS TECHNOLOGY - 24V ONLY
2VA 980 760-871	DG LEVEL WITH 1.0M CABLE AND 6 PIN DT
Mounting	Surface mount with mounting bolts supplied. Suitable for horizontal or vertical mounting.
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems
Power Consumption	Stop: 5W Rear position: 1W Rear direction indicator: 4W
Protection	Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS) IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)
Cable Length	Pre-wired with 2m of sheathed multi-core cable
Compliance	ADR 6/00: Cat 2a ADR 47/00 ADR 49/00 ISO 13207-1 (2429-CS only)

See page 79 for Jumbo-S and Designline accessories.

Jumbo-S LED Triple Module Stop/Rear Position/Rear Direction Indicator Lamp

Jumbo-S LED stop, rear position, rear direction indicator lamp with 23cm² red retro reflectors. Lamps are pre-assembled and wired into housing for easy installation. Features HCS Technology with ISO 13207-1 compliance.



2430	2VA 980 760-811
2430-CS	2VA 980 761-811 HCS TECHNOLOGY - 24V ONLY
2430DTCS	2VA 980 761-941 HCS TECHNOLOGY - 24V ONLY, DT
2VA 980 760-861	DG LEVEL WITH 1.0M CABLE AND 6 PIN DT
Mounting	As per Part No. 2429-CS
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems
Power Consumption	Stop: 5W x 2 Rear position: 1W x 2 Rear direction indicator: 4W
Protection	As per Part No. 2429-CS
Cable Length	Pre-wired with 2m of sheathed multi-core cable.
Compliance	ADR 6/00: Cat 2a ADR 47/00 ADR 49/00 ISO 13207-1 (2430-CS and 2430DTCS only)

Jumbo-S LED Triple Module Stop/Rear Position/Rear Direction Indicator/Reversing Lamp

Jumbo-S LED stop, rear position, rear direction indicator and reversing lamp with 23cm² red retro reflectors. Lamps are pre-assembled and wired into housing for easy installation. Features HCS Technology with ISO 13207-1 compliance. (See page 276 for further information on HCS Technology and ISO 13207-1).



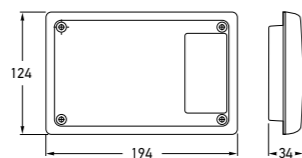
2431	2VP 980 760-821
2431-CS	2VP 980 761-821 HCS TECHNOLOGY - 24V ONLY
2431DTCS	2VA 980 761-951 HCS TECHNOLOGY - 24V ONLY, DT
Mounting	As per Part No. 2429-CS
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems
Power Consumption	Stop: 5W Rear position: 1W Rear direction indicator: 4W Reversing: 4W
Protection	As per Part No. 2429-CS
Cable Length	Pre-wired with 2m of sheathed multi-core cable
Compliance	ADR 1/00 ADR 6/00: Cat 2a ADR 47/00 ADR 49/00 ISO 13207-1 (2431-CS and 2431DTCS only)

Jumbo LED Module Stop /Rear Position Lamp with Red Retro Reflector

Jumbo LED Multivolt™ module designed to update existing Jumbo or Designline lamps with Enhanced Definition Technology (EDT). Reflector area 33cm².



2317BL



2317	2TA 959 030-101		
2317BL	2TA 959 030-102		BLISTER PACK
Mounting	Four point recess mount. Suitable for horizontal or vertical mounting.		
Voltage	Multivolt™ for optimum brightness at input voltages from 9 to 33 volts		
Power Consumption	Stop: 6W Rear position: 1W		
Protection	Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS)		
Cable Length	Pre-wired with 200mm of cable		
Compliance	ADR 47/00	ADR 49/00	

See page 79 for Designline accessories.

Jumbo LED Module Rear Direction Indicator Lamp with Red Retro Reflector

Jumbo LED Multivolt™ module designed to update existing Jumbo or Designline lamps. Reflector area 33cm².



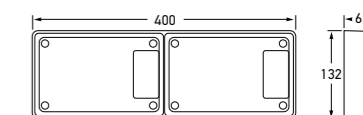
2138BL



2138	2BR 959 031-011		
2138BL	2BR 959 031-012		BLISTER PACK
Mounting	Four point recess mount. Suitable for horizontal or vertical mounting.		
Voltage	Multivolt™ for optimum brightness at input voltages from 9 to 33 volts		
Power Consumption	9W		
Protection	Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS)		
Cable Length	Pre-wired with 200mm of cable		
Compliance	ADR 6/00: Cat 2a	ADR 47/00	

Jumbo LED Double Module Stop /Rear Position/Rear Direction Indicator Lamp

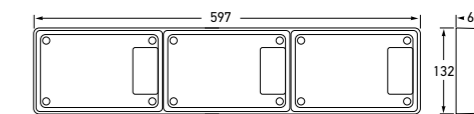
LED Stop/Rear Position/Rear Direction Indicator Lamp with in-built retro reflector.



2422LED	2VA 959 030-421		
Mounting	Surface mount with mounting bolts supplied. Suitable for horizontal or vertical mounting.		
Voltage	Multivolt™ for optimum brightness in 9 and 33 volt systems		
Power Consumption	Stop: 6W Rear position: 1W Rear direction indicator: 6W		
Protection	Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS)		
Cable Length	Pre-wired with 0.5m of sheathed multi-core cable		
Compliance	ADR 6/00: Cat 2a	ADR 47/00	ADR 49/00

Jumbo LED Triple Module Stop /Rear Position/Rear Direction Indicator Lamp

LED Stop/Rear Position/Rear Direction Indicator Lamp with in-built retro reflector.



2416LED	2VA 959 030-321		
Mounting	Surface mount with mounting bolts supplied. Suitable for horizontal or vertical mounting.		
Voltage	Multivolt™ for optimum brightness in 9 and 33 volt systems		
Power Consumption	Stop: 6W x 2 Rear position: 1W x 2 Rear direction indicator: 6W x 1		
Protection	Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS)		
Cable Length	Pre-wired with 0.5m of sheathed multi-core cable		
Compliance	ADR 6/00: Cat 2a	ADR 47/00	ADR 49/00

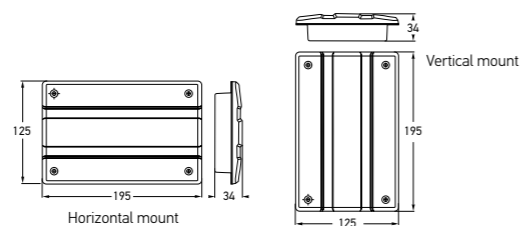
Designline LED Module Stop /Rear Position Lamp

Designline LED Multivolt™ module designed to update existing globe type Jumbo or Designline lamps. Features HELLA Ultra Wide Visibility Optics for significantly improved side visibility.



2332-V24

2332-H24BL



2332-H24	2SB 959 040-501	HORIZONTAL
2332-H24BL	2SB 959 040-502 – Blister Pack	HORIZONTAL
2332-V24	2SB 959 040-701	VERTICAL
Mounting	Four point recess mount	
Voltage	Multivolt™ for optimum brightness at input voltages from 9 to 33 volts	
Power Consumption	Stop: 6W Rear position: 2W	
Protection	Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS)	
Cable Length	Pre-wired with 200mm of cable	
Compliance	ADR 49/00	
See page 79 for Designline accessories.		

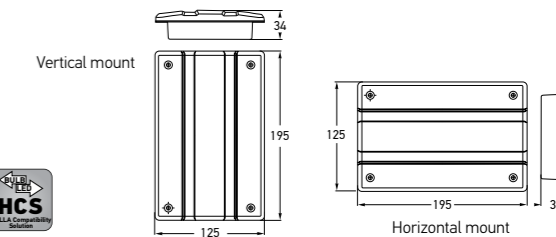
Designline LED Module Rear Direction Indicator Lamp

Designline LED Multivolt™ module designed to update existing globe type Jumbo or Designline lamps. Features HELLA Ultra Wide Visibility Optics for significantly improved side visibility.



2146-H24BL

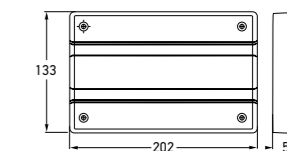
2146-V24



2146-H24	2BA 959 041-501	HORIZONTAL
2146-H24BL	2BA 959 041-502 – Blister Pack	HORIZONTAL
2146-HCS	2BA 959 041-511 – Incorporates HCS Technology	HORIZONTAL
2146-V24	2BA 959 041-701	VERTICAL
Mounting	Four point recess mount	
Voltage	Multivolt™ for optimum brightness at input voltages from 9 to 33 volts	
Power Consumption	Part No. 2146-H24/2146-V24: 6W Part No. 2146-HCS: 4W	
Protection	Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS)	
Cable Length	Pre-wired with 200mm of cable	
Compliance	ADR 6/00: Cat 2a	ISO 13207-1 (2146-HCS)
See page 276 for further information on HCS Technology and ISO 13207-1.		

Designline LED Module Rear Direction Indicator Lamp

Designline LED Multivolt™ module designed to update existing globe type Jumbo or Designline lamps. Features HELLA Ultra Wide Visibility Optics for significantly improved side visibility.



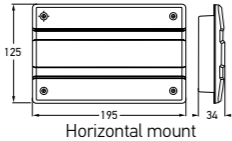
2144LED-H	2BA 959 041-111	HORIZONTAL
Mounting	Four point surface mount	
Voltage	Multivolt™ for optimum brightness at input voltages from 9 to 33 volts	
Power Consumption	6W	
Protection	Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS)	
Cable Length	Pre-wired with 200mm of cable	
Compliance	ADR 6/00: Cat 2a	

Designline LED Module Reversing Lamp

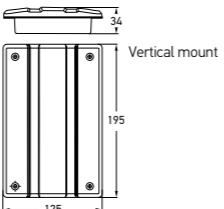
Designline LED Multivolt™ module designed to update existing Designline lamps. The high performance module features 36 High Efficacy LEDs that more than triples the raw lumen output over the standard module. High precision optics ensure ADR compliance by focusing the majority of light down ensuring wide illumination and improved safety when reversing.




1446-V




Horizontal mount



Vertical mount




1446-H	2ZR 959 041-321	HORIZONTAL
1446-V	2ZR 959 041-411	VERTICAL
Mounting	Four point recess mount	
Voltage	Multivolt™ for optimum brightness at input voltages from 9 to 33 volts	
Power Consumption	Part No. 1446-H/1446-V: 4W	
Protection	Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS)	
Cable Length	Pre-wired with 200mm of cable	
Compliance	ADR 1/00 	

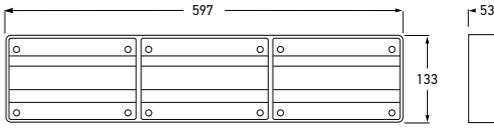
Reversing lamps are not designed for continuous operation.

Designline LED Triple Module Stop/Rear Position/Rear Direction Indicator Lamp


Triple Designline LED module pre-assembled and wired for easy installation. Features a 2m wiring loom and encapsulated bolts to ensure lamp does not need to be disassembled to mount. Features HELLA Ultra Wide Visibility Optics for significantly improved side visibility.








Horizontal mount


2427-H	2SD 959 040-811	HORIZONTAL
Mounting	Two bolt surface mount	
Voltage	Multivolt™ for optimum brightness at input voltages from 9 to 33 volts	
Power Consumption	Stop: 6W x 2 Rear position: 2W x 2 Rear direction indicator: 6W x 1	
Cable Length	Pre-wired with 2m of multi-core cable	
Spare Part	9.2423.09	Triple housing
Compliance	ADR 6/00: Cat 2a	ADR 49/00 

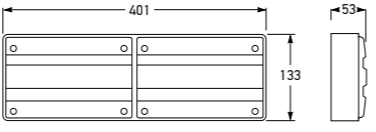


Designline LED Double Module Stop/Rear Position/Rear Direction Indicator Lamp


Double Designline LED module pre-assembled and wired for easy installation. Features a 2m wiring loom and encapsulated bolts to ensure lamp does not need to be disassembled to mount. Features HELLA Ultra Wide Visibility Optics for significantly improved side visibility.








Horizontal mount

2426-H	2SD 959 040-801	HORIZONTAL
Mounting	Two bolt surface mount	
Voltage	Multivolt™ for optimum brightness at input voltages from 9 to 33 volts	
Power Consumption	Stop: 6W Rear position: 2W Rear direction indicator: 6W	
Cable Length	Pre-wired with 2m of multi-core cable	
Spare Part	9.2422.09	Double housing
Compliance	ADR 6/00: Cat 2a	ADR 49/00 

See page 79 for Designline accessories.

Designline LED Triple Module Stop/Rear Position/Rear Direction Indicator/Reversing Lamp

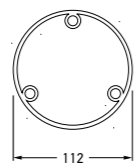


2428-H	2SK 959 041-811	HORIZONTAL
Mounting	Two bolt surface mount	
Voltage	Multivolt™ for optimum brightness at input voltages from 9 to 33 volts	
Power Consumption	Stop: 6W Rear position: 2W Rear direction indicator: 6W Reverse: 4W	
Cable Length	Pre-wired with 2m of multi-core cable	
Spare Part	9.2423.09	Triple housing
Compliance	ADR 1/00	ADR 6/00: Cat 2a ADR 49/00 

Reversing lamps are not designed for continuous operation.

110mm Round LED Front Position /Front Direction Indicator Lamp – Clear Lens

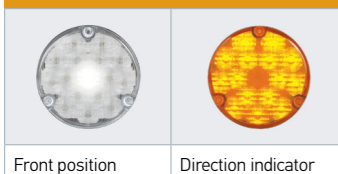
LED front direction indicator and front position lamp specifically designed for commercial transport, buses, caravans and trailers. Direction indicator optic appears clear until illuminated.



2106-CS	2BE 959 932-132 – Incorporates HCS Technology			MODULE
Mounting	Mount only with lens engraving "TOP" located correctly			
Voltage	Multivolt™ for optimum brightness at input voltages from 9 to 33 volts			
Power Consumption	Front position:	<1W		
	Front direction indicator:	3W		
Protection	Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS) IP 6K6 (Protection against dust and high-pressure water jets) IP 6K7 (Protection against dust and temporary water immersion)			
Cable Length	Pre-wired with 200mm of cable			
Compliance	ADR 6/00: Cat 1	ADR 49/00 E24 5851	ECE R6/01 ISO 13207-1	

See page 276 for further information on HCS Technology and ISO 13207-1.

LAMP FUNCTIONS



110mm Round LED Front Direction Indicator Lamp – Clear Lens

LED front direction indicator specifically designed for trucks, buses and motor homes. Optic appears clear until illuminated.

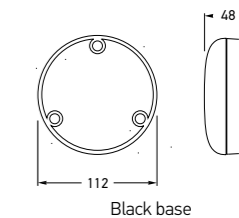


2105CLR	2BA 959 932-211			MODULE
Mounting	Mount only with lens engraving "TOP" located correctly			
Voltage	Multivolt™ for optimum brightness at input voltages from 9 to 33 volts			
Power Consumption	4W			
Protection	Reverse polarity and 1500 watt Transient Voltage Suppressor (TVS) IP 6K6 (Protection against dust and high-pressure water jets) IP 6K7 (Protection against dust and temporary water immersion)			
Cable Length	Pre-wired with 200mm of cable			
Compliance	ADR 6/00: Cat 1			

See page 276 for further information on HCS Technology and ISO 13207-1.

110mm Round LED Front Direction Indicator Lamp – Amber Lens

LED front direction indicator specifically designed for trucks, buses and motor homes.

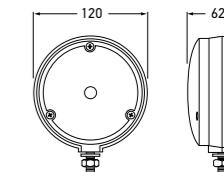


2135LED	2BA 959 932-311		BLACK BASE
2105	2BA 959 932-201		MODULE
Mounting	Mount only with lens engraving "TOP" located correctly		
Voltage	Multivolt™ for optimum brightness at input voltages from 9 to 33 volts		
Power Consumption	Part No. 2135LED/2105:	4W	
Protection	Reverse polarity and 1500 watt Transient Voltage Suppressor (TVS) IP 6K6 (Protection against dust and high-pressure water jets) IP 6K7 (Protection against dust and temporary water immersion)		
Cable Length	Pre-wired with 200mm of cable		
Compliance	ADR 6/00: Cat 1		

See page 276 for further information on HCS Technology and ISO 13207-1.

LED Front Direction Indicator Lamp (Cat.1)

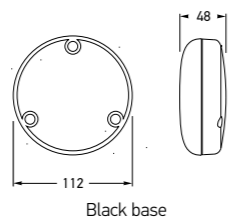
Single-sided LED front direction indicator fitted with high-intensity LED insert and black housing. Fully sealed to withstand high-pressure washing.



2128LED	2BA 959 932-301		AMBER LENS
Mounting	Single bolt mount		
Voltage	Multivolt™ for optimum brightness at input voltages from 9 to 33 volts		
Power Consumption	4W		
Protection	Reverse polarity and 1500 watt Transient Voltage Suppressor (TVS) IP 6K6 (Protection against dust and high-pressure water jets) IP 6K7 (Protection against dust and temporary water immersion)		
Cable Length	Pre-wired with 200mm of cable		
Compliance	ADR 6/00: Cat 1		

110mm Round LED Stop /Rear Position Lamp

110mm round LED stop, rear position lamp specifically designed for commercial transport, buses, caravans and trailers. Features low power consumption and impact resistant acrylic lens.



2367	2SB 959 931-111	BLACK BASE
2365	2SB 959 931-001	MODULE
Mounting	Mount only with lens engraving "TOP" located correctly	
Voltage	Multivolt™ for optimum brightness at input voltages from 9 to 33 volts	
Power Consumption	Stop: 3W Rear position: 1W	
Protection	Reverse polarity and 1500 watt Transient Voltage Suppressor (TVS) IP 6K6 (Protection against dust and high-pressure water jets) IP 6K7 (Protection against dust and temporary water immersion)	
Cable Length	Pre-wired with 200mm of cable	
Compliance	ADR 49/00	

110mm Round LED Rear Direction Indicator Lamp



2167	2BA 959 932-711	BLACK BASE
2165	2BA 959 932-501	MODULE
Mounting	Mount only with lens engraving "TOP" located correctly	
Voltage	Multivolt™ for optimum brightness at input voltages from 9 to 33 volts	
Power Consumption	3W	
Protection	Reverse polarity and 1500 watt Transient Voltage Suppressor (TVS) IP 6K6 (Protection against dust and high-pressure water jets) IP 6K7 (Protection against dust and temporary water immersion)	
Cable Length	Pre-wired with 200mm of cable	
Compliance	ADR 6/00: Cat 2a	

See page 276 for further information on HCS Technology and ISO 13207-1.

110mm Round LED Reversing Lamp

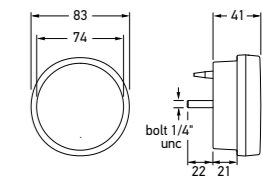


1467	2ZR 959 930-111	BLACK BASE
1465	2ZR 959 930-001	MODULE
Mounting	Mount only with lens engraving "TOP" located correctly	
Voltage	Multivolt™ for optimum brightness at input voltages from 9 to 33 volts	
Power Consumption	5W	
Protection	Reverse polarity and 1500 watt Transient Voltage Suppressor (TVS) IP 6K6 (Protection against dust and high-pressure water jets) IP 6K7 (Protection against dust and temporary water immersion)	
Cable Length	Pre-wired with 200mm of cable	
Compliance	ADR 1/00	

Reversing lamps are not designed for continuous operation.

83mm Round LED Safety DayLights/Front Position /Front Direction Indicator Lamp

This LED combination lamp features an integrated Safety DayLight™, front position indicator and front position function. The lamp features a traditional round lens that illuminates with a distinctive ring of white LEDs when used as a Safety DayLight™. This lamp eliminates the need for installation of multiple lamps.



2108-GMD	2BE 980 687-111	12 VOLT DC
2108-GMD24V	2BE 980 686-011	24 VOLT DC
Mounting	Flush mount. Single bolt 1/4" stainless UNC thread. Nut and washer supplied	
Power Consumption	2108-GMD 2108-GMD24V	
	Safety DayLights: 4W Front position: 1W Front direction indicator: 3W	4W 1W 4W
Protection	Reverse polarity and transient spike circuit protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)	
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable	
Lens Material	Nylon (PA12)	
Compliance	ADR 6/00: Cat 1 E24 5854	ADR 49/00 ECE R6/01 ADR 76/00 ECE R7/02 ECE R87/00

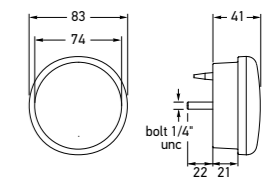
See page 79 for mounting accessories.

83MM LAMP FUNCTIONS



83mm Round LED Front Direction Indicator Lamp

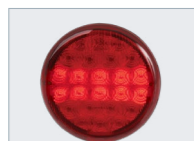
Compact, low profile LED front direction indicator fitted with amber polycarbonate lens. Fully sealed to withstand high-pressure washing.



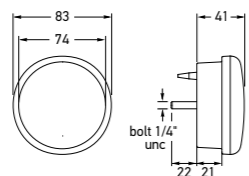
2107	2BA 959 011-112	PACK OF 2
2107BULK	2BA 959 011-113	PACK OF 10
Mounting	Flush mount. Single bolt 1/4" stainless UNC thread. Nut and washer supplied	
Voltage	Multivolt™ for optimum brightness at input voltages from 9 to 33 volts	
Power Consumption	4W	
Protection	Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS) IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)	
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable	
Compliance	ADR 6/00: Cat 1	

83mm Round LED Stop /Rear Position Lamp

83mm diameter LED stop, rear position lamp with single bolt mount, featuring Enhanced Definition Technology (EDT). Features HELLA Ultra Wide Visibility Optics for significantly improved side visibility.



2390 Rear position



2390	2SB 959 010-031	PACK OF 2
2390BULK	2SB 959 010-037	PACK OF 10
Mounting	Flush mount. Single bolt 1/4" stainless UNC thread. Nut and washer supplied	
Voltage	Multivolt™ for optimum brightness at input voltages from 9 to 33 volts	
Power Consumption	Stop: 3W Rear position: 1W	
Protection	Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS) IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)	
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable	
Compliance	ADR 49/00	E4 11391 ECE R7/02

See page 79 for mounting accessories.

83mm Round LED Rear Direction Indicator Lamp

83mm diameter LED rear direction indicator lamp with single bolt mount. Features HELLA Ultra Wide Visibility Optics for significantly improved side visibility.



2130	2BA 959 011-011	PACK OF 2
2130BULK	2BA 959 011-003	PACK OF 10
Mounting	Flush mount. Single bolt 1/4" stainless UNC thread. Nut and washer supplied	
Voltage	Multivolt™ for optimum brightness at input voltages from 9 to 33 volts	
Power Consumption	2W	
Protection	As per Part No. 2390	
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable	
Compliance	ADR 6/00: Cat 2a	E4 11391 ECE R6/01

83mm Round LED Reversing Lamp

83mm diameter LED reversing lamp with single bolt mount.

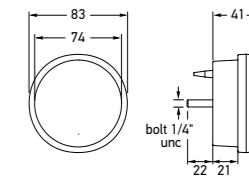


1490	2ZR 959 010-511	PACK OF 2
Mounting	Flush Mount. Single bolt 1/4" stainless UNC thread. Nut and washer supplied	
Voltage	Multivolt™ for optimum brightness at input voltages from 9 to 33 volts	
Power Consumption	4W	
Protection	As per Part No. 2390	
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable	
Compliance	ADR 1/00	E4 11391 ECE R23/00

Reversing lamps are not designed for continuous operation.

83mm Round LED Stop/ Rear Position/Rear Direction Indicator Lamp

83mm diameter LED stop, rear position and rear direction indicator lamp with single bolt mount.



2399	2SD 959 010-202	PACK OF 2
2399BULK	2SD 959 010-217	PACK OF 10
Mounting	Flush mount. Single bolt 1/4" stainless UNC thread. Nut and washer supplied	
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems	
Power Consumption	Stop: 3W Rear position: 1W Rear direction indicator: 3W	
Protection	Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS) IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)	
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable. Bulk pack pre-wired with 6m of sheathed multi-core cable.	
Compliance	ADR 6/00: Cat 2a E4 1538	ADR 49/00 ECE R6/01 ECE R7/02

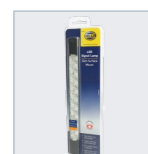
Contact HELLA for 24 volt HCS version. See page 79 for mounting accessories.

LED Front Direction Indicator Lamp – Surface Mount

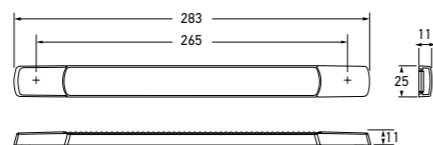
Surface mount LED front direction indicator lamp that is designed with an ultra wide visibility optic for significantly improved side visibility. Featuring a low profile, ultra durable nylon (PA12) lens for extreme impact, UV, chemical and stress resistance. Optic appears clear until illuminated.



Ultra slim height of only 11mm. Lamp shown active.



2109BL



2109	2BA 980 888-301 – Horizontal Mount	12 VOLT DC
2109BL	2BA 980 888-322 – Blister Pack - Horizontal Mount	
2109-24V	2BA 980 888-401 – Horizontal Mount	24 VOLT DC
2109-24VBL	2BA 980 888-422 – Blister Pack - Horizontal Mount	
2109V	2BA 980 888-501 – Vertical Mount	12 VOLT DC
2109V-24V	2BA 980 888-601 – Vertical Mount	24 VOLT DC

Power Consumption	3W
Protection	Reverse polarity protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable. (Blister packs with 0.5m cable)
Lens Material	Nylon (PA12)
Compliance	ADR 6/00: Cat 1 Horizontal E24 5869 Vertical E24 5890 ECE R6/01

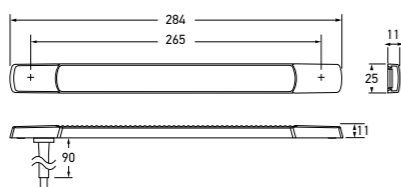
See page 80 for surface mount strip lamp screw caps.

LED Slim Surface Mount Combination Lamp

The Surface Mount Strip lamp features an extremely durable Nylon (PA12) lens that is impact, UV and chemical resistant. Ultra-efficient LEDs offer increased reliability while reducing power consumption, maintenance and operational costs.



2110-24V
LED Slim Surface Mount Combination Lamp
Front Direction Indicator/Front Position



2110-12V	2BE 980 819-301	12 VOLT
2110-24V	2BE 980 819-401	24 VOLT

Mounting	Suitable for horizontal and vertical mounting
Power Consumption	Front position: <1W Front direction indicator: 3W
Protection	Reverse polarity protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable
Lens Material	High impact and chemical resistant Nylon (PA12) lens
Spare Parts	9.2652.09 White screw caps (Pack of 4) 9.1009.09 Charcoal screw caps (Pack of 4) 9.1009.10 Chrome screw caps (Pack of 4)
Compliance	ADR 49/00 ADR 6/00: Cat 1

LAMP FUNCTIONS



Front position

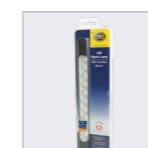
Front direction indicator

LED Rear Direction Indicator Lamp – Surface Mount

Surface mount LED rear direction indicator lamp that is designed with an ultra wide visibility optic for significantly improved side visibility. Featuring a low profile, ultra durable nylon (PA12) lens for extreme impact, UV, chemical and stress resistance. Optic appears clear until illuminated.



Ultra slim height of only 11mm. Lamp shown active.



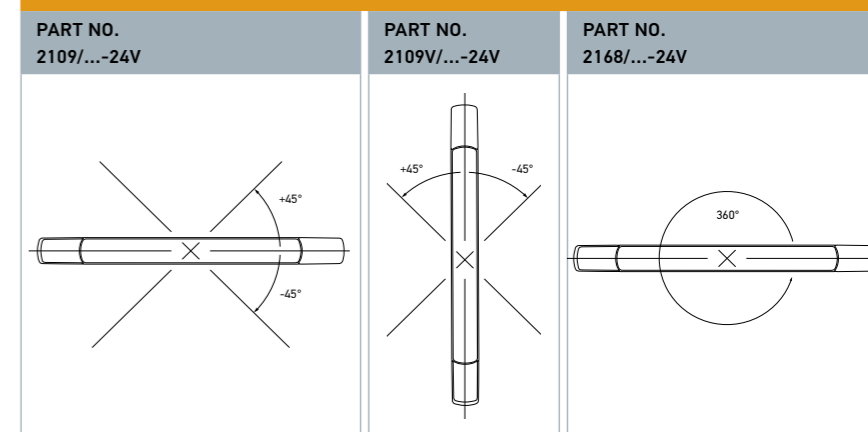
2168BL



2168	2BA 980 888-001	12 VOLT DC
2168BL	2BA 980 888-022 – Blister Pack	
2168-24V	2BA 980 888-201	24 VOLT DC
2168-24VBL	2BA 980 888-222 – Blister Pack	

Mounting	Suitable for horizontal and vertical mounting
Power Consumption	3W
Protection	As per Part No. 2109
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable. (Blister packs with 0.5m cable)
Lens Material	Nylon (PA12)
Compliance	ADR 6/00: Cat 2a E24 5891 ECE R6/01

MOUNTING DIAGRAMS



Horizontal mount: +/- 45° rotation around lamp (and vehicle) axis

Vertical mount: +/- 45° rotation around lamp (and vehicle) axis

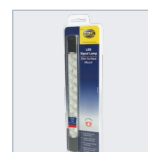
Horizontal mount & Vertical mount: 360° rotation around lamp (and vehicle) axis

LED Stop/Rear Position Lamp – Surface Mount

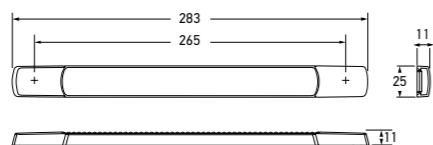
Surface mount LED stop/rear position lamp that features Enhanced Definition Technology (EDT) and is designed with an ultra wide visibility optic for significantly improved side visibility. Featuring a low profile, ultra durable nylon (PA12) lens for extreme impact, UV, chemical and stress resistance. Optic appears clear until illuminated.



Ultra slim height of only 11mm. Lamp shown active.



2318BL



2318	2SB 980 887-001	12 VOLT DC
2318BL	2SB 980 887-002 – Blister Pack	
2318-24V	2SB 980 887-201	24 VOLT DC
2318-24VBL	2SB 980 887-202 – Blister Pack	
Mounting	Suitable for horizontal and vertical mounting	
Power Consumption	Stop: 3W Rear Position: <0.5W	
Protection	Reverse polarity protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)	
Cable Length	Pre-wired with 0.3m cable	
Lens Material	Nylon (PA12)	
Compliance	ADR 49/00	

STOP / REAR POSITION LAMP FUNCTIONS

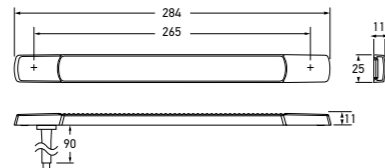


LED Slim Surface Mount Combination Lamp

The Surface Mount Combination lamp features an extremely durable nylon (PA12) lens that is impact, UV and chemical resistant. Ultra-efficient LEDs offer increased reliability while reducing power consumption, maintenance and operational costs.



2375-24V
LED Slim Surface Mount Combination Lamp
Stop/Rear Position/Rear Direction Indicator (Stop function shown)



2375-12V	2SD 980 819-001	12 VOLT
2375-24V	2SD 980 819-221	24 VOLT
Mounting	Suitable for horizontal and vertical mounting	
Power Consumption	Stop: 2W Rear position: <0.5W Rear direction indicator: 2W	
Protection	Reverse polarity protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)	
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable	
Lens Material	Nylon (PA12)	
Spare Parts	9.2652.09 White screw caps (Pack of 4) 9.1009.09 Charcoal screw caps (Pack of 4) 9.1009.10 Chrome screw caps (Pack of 4)	
Compliance	ADR 49/00 ADR 6/00: Cat 2a E24 5902 ECE 6/01 ECE 7/02	
Includes mounting screws and charcoal screw caps.		

LAMP FUNCTIONS

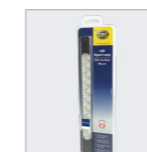


LED Reversing Lamp – Surface Mount

Surface mount LED reversing lamp. Featuring a low profile, ultra durable nylon (PA12) lens for extreme impact, UV, chemical and stress resistance. Optic appears clear until illuminated.



Ultra slim height of only 11mm. Lamp shown active.

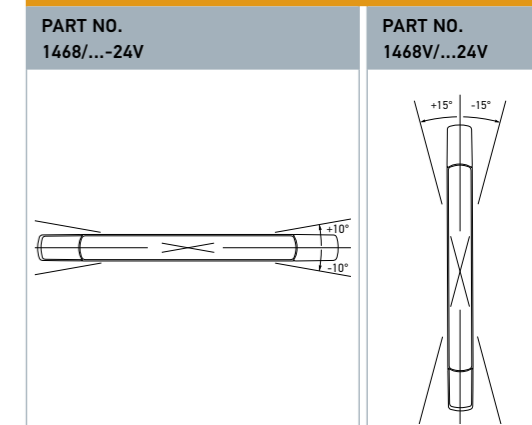


1468BL



1468	2ZR 980 889-001 – Horizontal Mount	12 VOLT DC
1468BL	2ZR 980 889-022 – Blister Pack - Horizontal Mount	
1468-24V	2ZR 980 889-201 – Horizontal Mount	24 VOLT DC
1468V	2ZR 980 889-101 – Vertical Mount	12 VOLT DC
1468V-24V	2ZR 980 889-301 – Vertical Mount	24 VOLT DC
Power Consumption	3W	
Protection	As per Part No. 2318	
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable. (Blister packs with 0.5m cable)	
Lens Material	Nylon (PA12)	
Compliance	ADR 1/00 Horizontal E24 0027 Vertical E24 0028 ECE R23/00	
Reversing lamps are not designed for continuous operation.		

MOUNTING DIAGRAMS

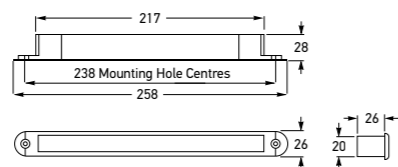


Horizontal mount: +/- 10° rotation around lamp (and vehicle) axis

Vertical mount: +/- 15° rotation around lamp (and vehicle) axis

LED Stop/Rear Position Lamp

Red LED strip lamp suitable for coaches and buses, featuring Enhanced Definition Technology (EDT).



2334	2SB 959 074-501	12 VOLT DC
2334-24V	2SB 959 074-001	24 VOLT DC
Mounting	Two hole recess mount. Suitable for horizontal or vertical mounting.	
Power Consumption	Stop: 2W Rear position: 0.3W	
Protection	Reverse polarity protection	
Cable Length	Pre-wired with 300mm of cable	
Compliance	ADR 49/00	

LED Rear Direction Indicator Lamp

Amber LED strip lamp suitable for coaches and buses.



2156	2BA 959 075-501	12 VOLT DC
2156-24V	2BA 959 075-001	24 VOLT DC
Mounting	Two hole recess mount. Suitable for horizontal or vertical mounting.	
Power Consumption	2W	
Protection	Reverse polarity protection	
Cable Length	Pre-wired with 0.5m of sheathed multi-core cable	
Compliance	ADR 6/00: Cat 2a	

LED High Level Brake Lamp

Strip LED lamp designed for rear spoiler applications.



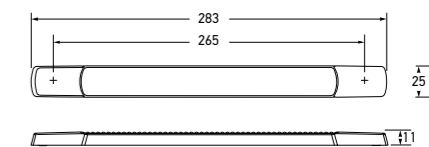
5243	2DA 959 071-591	12 VOLT DC
Mounting	Two hole recess mount. Suitable for horizontal or vertical mounting.	
Power Consumption	2W	
Protection	Reverse polarity protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)	
Compliance	ADR 49/00: Cat S3 02 7547 ECE R7/02	

LED Centre High Level Brake Lamp – Surface Mount

Surface mount LED high level brake lamp that is designed with an ultra wide visibility optic to suit a wide range of mounting positions and angles. Featuring a low profile, ultra durable nylon (PA12) lens for extreme impact, UV, chemical and stress resistance. Optic appears clear until illuminated.

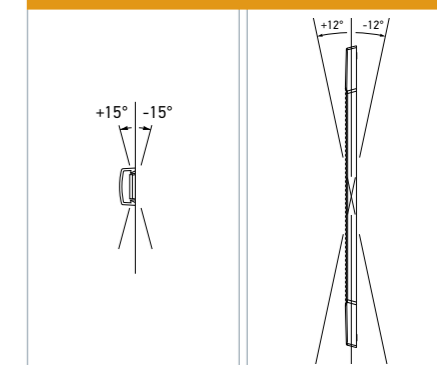


Ultra slim height of only 11mm. Lamp shown active.



5245	2DA 980 887-301	12 VOLT DC
Mounting	Suitable for horizontal or vertical mounting	
Power Consumption	3W	
Protection	Reverse polarity protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)	
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable	
Lens Material	Nylon (PA12)	
Accessories	9.2652.09 White screw caps (Pack of 4) 9.1009.09 Charcoal screw caps (Pack of 4) 9.1009.10 Chrome plated screw caps (Pack of 4)	
Compliance	ADR 49/00: Cat S3 02 0087 ECE R7/02	

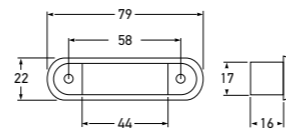
MOUNTING DIAGRAMS



Horizontal mount: +/- 15° tilt (up/down) Vertical mount: +/- 12° tilt (up/down)

LED Flush Mount Front Position /End Outline Lamp

White front position or front end outline LED lamp (FEOL). Optic appears clear until illuminated.

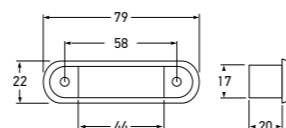


2055	2PF 959 590-491	
2055BULK	2PF 959 590-547	PACK OF 4
Mounting	Two hole recess mount. Suitable for horizontal or vertical mounting.	
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems	
Power Consumption	<1W	
Protection	Reverse polarity protection. IP 6K6 (Protection against dust and high-pressure water jets) IP 6K7 (Protection against dust and temporary water immersion)	
Cable Length	Pre-wired with 0.5m of sheathed multi-core cable. Bulk pack pre-wired with 2.5m of sheathed multi-core cable.	
Compliance	ADR 49/00 (E4) 0054 ECE R7/02	

See page 80 for spare parts and accessories.

LED Flush Mount Front End Outline Lamp

Amber front end outline LED lamp (FEOL) for trailers only. Optic appears clear until illuminated.

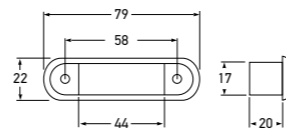


2056	2PF 959 590-341	
2056BULK	2PF 959 590-357	PACK OF 4
Mounting	Suitable for horizontal mounting	
Compliance	ADR 49/00	

Other specifications as per Part No. 2055. See page 80 for spare parts and accessories.

LED Flush Mount Cab Marker Lamp

Amber cab marker LED lamp. Optic appears clear until illuminated.

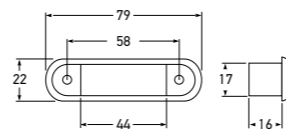


2057	2XS 959 650-011	
2057BULK	2XS 959 650-027	PACK OF 4
Mounting	Suitable for horizontal mounting	
Compliance	ADR 45/01	

Other specifications as per Part No. 2055. See page 80 for spare parts and accessories.

LED Flush Mount Rear Position /End Outline Lamp

Red rear end outline lamp (REOL) or rear position LED lamp. Optic appears clear until illuminated.

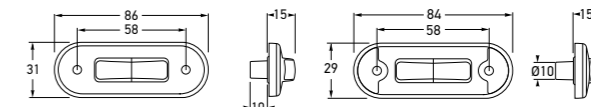
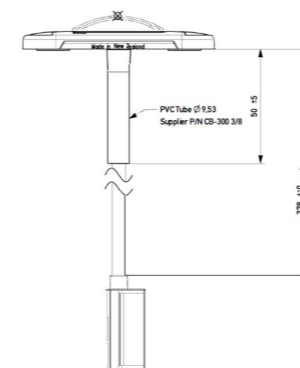


2308	2BA 959 610-441	
2308BULK	2BA 959 610-457	PACK OF 4
Compliance	ADR 49/00 (E4) 02 7597 ECE R7/02	

Other specifications as per Part No. 2055. See page 80 for spare parts and accessories.

DuraLED® Flush Mount Side Marker Lamp

Red/amber surface mount side marker lamp. Featuring a low profile of only 15mm and an ultra durable lens for extreme impact, UV, chemical and stress resistance. Optic appears clear until illuminated. Optional stainless steel rim.



Stainless steel rim version

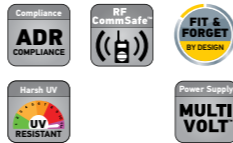
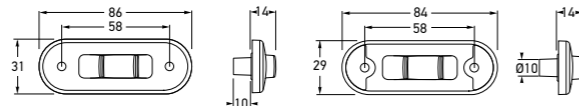


2083	2PS 980 868-041	
2083BULK	2PS 980 868-057 – Pack of 16	
20830EBULK	2PS 980 868-047 – Pack of 24	
2083QLBULK	2PS 980 868-107 – Pack of 16 Quick Link	
2083S	2PS 980 868-061	POLISHED STAINLESS STEEL RIM
2083SBULK	2PS 980 868-077 – Pack of 16	
2083QLSBULK	2PS 980 868-117 – Pack of 16 Quick Link	
Mounting	Surface mount. Suitable for horizontal mounting.	
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems	
Power Consumption	0.5W	
Protection	Reverse polarity protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)	
Cable Length	Pre-wired with 0.5m of sheathed multi-core cable. Bulk pack pre-wired with 2.5m of sheathed multi-core cable. QL 0.3m sheathed multi-core cable including Quick Link connector.	
Spare Parts	9.2310.09BULK 95968500	Black screw caps (Pack of 4) Stainless steel rim - Polished
Lens Material	Nylon (PA12)	
Compliance	ADR 45/01	

See page 77 for DuraLED® marker lamp accessories.

DuraLED® Flush Mount Supplementary Side Direction Indicator Lamp (Cat. 5)

The marker lamps feature a low profile of only 14mm and an ultra durable lens for extreme impact, UV, chemical and stress resistance. Optic appears clear until illuminated.

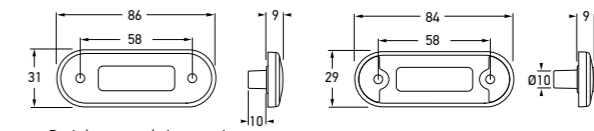


Stainless steel rim version	
2086	2BM 980 868-301
2086BULK	2BM 980 868-317 – Pack of 16
2086S	2BM 980 868-321 POLISHED STAINLESS STEEL RIM
2086SBULK	2BM 980 868-337 – Pack of 16
Mounting	Surface mount. Suitable for horizontal mounting.
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems
Power Consumption	0.5W
Protection	Reverse polarity protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high pressure/steam jet cleaning)
Cable Length	Pre-wired with 0.5m of sheathed multi-core cable. Bulk pack pre-wired with 2.5m of sheathed multi-core cable.
Spare Parts	9.2310.09-BULK Black screw caps (Pack of 4) 95968500 Stainless steel rim
Lens Material	Nylon (PA12)
Compliance	ADR 6/00: Cat 5



DuraLED® Flush Mount Front Position/End Outline Lamp

White surface mount front position or front end outline LED lamp (FEOL) with optional stainless steel rim. Featuring a low profile ultra durable lens for extreme impact, UV, chemical and stress resistance. Optic appears clear until illuminated.



Ultra slim design
Featuring a thickness of just 9mm

Stainless steel rim version	
2059	2PF 980 855-011
2059BULK	2PF 980 855-037 – Pack of 16
20590EBULK	2PF 980 855-017 – Pack of 24
2059S	2PF 980 855-021 POLISHED STAINLESS STEEL RIM
2059SBULK	2PF 980 855-047 – Pack of 16
Mounting	Surface mount. Suitable for horizontal or vertical mounting.
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems
Power Consumption	0.5W
Protection	Reverse polarity protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)
Cable Length	Pre-wired with 0.5m of sheathed multi-core cable. Bulk pack pre-wired with 2.5m of sheathed multi-core cable.
Spare Parts	9.2310.09BULK Black screw caps (Pack of 4) 95968500 Stainless steel rim - Polished
Lens Material	Nylon (PA12)
Compliance	ADR 49/00

See page 77 for DuraLED® marker lamp accessories.

DuraLED® Flush Mount Front End Outline Lamps

Amber surface mount front end outline LED lamp (FEOL) for trailers with optional stainless steel rim. Featuring a low profile ultra durable lens for extreme impact, UV, chemical and stress resistance. Optic appears clear until illuminated.



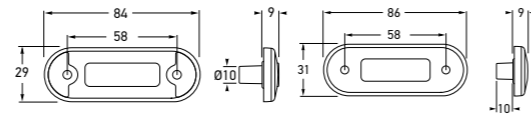
2060S



2060



Ultra slim design
Featuring a thickness of just 9mm



Stainless steel rim version



2060	2PF 980 855-201	
2060BULK	2PF 980 855-227 – Pack of 16	
2060S	2PF 980 855-211	POLISHED STAINLESS STEEL RIM
2060SBULK	2PF 980 855-237 – Pack of 16	
Mounting	Surface mount. Suitable for horizontal or vertical mounting.	
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems	
Power Consumption	0.5W	
Protection	Reverse polarity protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)	
Cable Length	Pre-wired with 0.5m of sheathed multi-core cable. Bulk pack pre-wired with 2.5m of sheathed multi-core cable.	
Spare Parts	9.2310.09BULK 95968500	Black screw caps (Pack of 4) Stainless steel rim - Polished
Lens Material	Nylon (PA12)	
Compliance	ADR 49/00	

See page 77 for DuraLED® marker lamp accessories.

DuraLED® Flush Mount Rear Position/End Outline Lamps

Red surface mount rear position or rear end outline LED lamp (REOL) with optional stainless steel rim. Featuring a low profile ultra durable lens for extreme impact, UV, chemical and stress resistance. Optic appears clear until illuminated.



2310S



2310



2310	2XA 980 855-301	
2310BULK	2XA 980 855-327 – Pack of 16	
2310EBULK	2XA 980 855-307 – Pack of 24	
2310S	2XA 980 855-311	POLISHED STAINLESS STEEL RIM
2310SBULK	2XA 980 855-337 – Pack of 16	

Other specifications as per Part No. 2060.

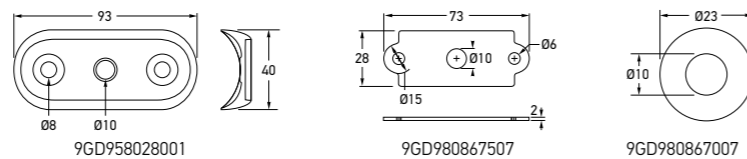
DuraLED® Flush Mount Gaskets



9GD980867507



9GD958028001

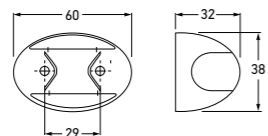


9GD 980 867-507	SEAL RECTANGULAR
9GD 958 028-001	SEAL CURVED



DuraLED® Side Marker Lamps

Red/amber side marker LED lamp. Optic appears clear until illuminated.



2053	2PS 959 660-581	
2053BULK	2PS 959 660-502	PACK OF 4
2PS 959 660-507		PACK OF 100
20530EBULK	2PS 959 660-587	PACK OF 24
2053-5MBULK	2PS 959 660-737 – 5m cable	PACK OF 60
2053CHROME	2PS 959 660-691	CHROME PLATED
Mounting	Surface mount.	
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems	
Power Consumption	<1W	
Protection	Reverse polarity protection. IP 6K6 (Protection against dust and high-pressure water jets) IP 6K7 (Protection against dust and temporary water immersion)	
Cable Length	Pre-wired with 0.5m of sheathed multi-core cable. Part No. 2053BULK & 2PS 959 660-507 - Bulk pack pre-wired with 2.5m of sheathed multi-core cable.	
Spare Part	9.2053.08	Black Nylon housing
Compliance	ADR 45/01	
See page 77 for DuraLED® marker lamp accessories.		



DuraLED® Side Marker Lamps - Nylon (PA12)

Red/amber ultra high impact resistant side marker LED lamp featuring nylon (PA12) lens and nylon housing. Optic appears clear until illuminated.



2053GMD	2PS 959 660-481	
2053GMD BULK	2PS 959 660-477	PACK OF 4
2053GMD OEBULK	2PS 959 660-487	PACK OF 24
2053GMD DT	2PS 959 660-711 – 250mm cable with DT	
Mounting	Surface mount	
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems	
Power Consumption	<1W	
Protection	As per Part No. 2053	
Cable Length	Pre-wired with 0.5m of sheathed multi-core cable. Part No. 2053GMD BULK - Bulk pack pre-wired with 2.5m of sheathed multi-core cable.	
Spare Part	9.2053.08	Black Nylon housing
Lens Material	Nylon (PA12)	
Compliance	ADR 45/01	



DuraLED® Cab Marker/ Supplementary Side Direction Indicator Lamps (Cat. 5)

Amber cab marker or supplementary side indicator LED lamp. Optic appears clear until illuminated.

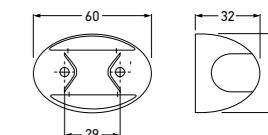


2026	2BP 959 660-301	
2026BULK	2BP 959 660-357	PACK OF 4
2026DT	2JA 959 660-361 – 250mm cable with DT	
Mounting	Surface mount	
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems	
Power Consumption	<1W	
Protection	As per Part No. 2053	
Cable Length	Pre-wired with 0.5m of sheathed multi-core cable. Bulk pack pre-wired with 2.5m of sheathed multi-core cable.	
Spare Part	9.2053.08	Black Nylon housing
Compliance	ADR 6/00: Cat 5	ADR 45/01



DuraLED® Front Position /End Outline Lamps

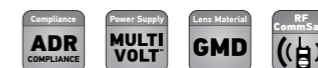
White ultra high impact resistant front end outline (FEOL) or front position LED lamp featuring nylon (PA12) lens on 2054 and nylon housing. Optic appears clear until illuminated.



2054	2PF 959 570-502	
2054BULK	2PF 959 570-527	PACK OF 4
Mounting	Surface mount. Suitable for horizontal mounting.	
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems	
Power Consumption	<1W	
Protection	Reverse polarity protection. IP 6K6 (Protection against dust and high-pressure water jets) IP 6K7 (Protection against dust and temporary water immersion)	
Cable Length	Pre-wired with 0.5m of sheathed multi-core cable. Bulk pack pre-wired with 2.5m of sheathed multi-core cable.	
Spare Part	9.2053.08	Black Nylon housing
Compliance	ADR 49/00	
See page 77 for DuraLED® marker lamp accessories.		

DuraLED® Front End Outline Lamps

Amber ultra high impact resistant front end outline (FEOL) LED lamp for trailers featuring nylon (PA12) lens on 2051 and nylon housing. Optic appears clear until illuminated.



2051	2PF 959 570-391	
2051BULK	2PF 959 570-347	PACK OF 4
Other specifications as per Part No.2054.		

DuraLED® Rear Position/End Outline Lamps

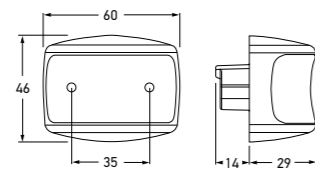
Red ultra high impact resistant rear end outline (REOL) or rear position LED lamp featuring nylon (PA12) lens on 2307 and nylon housing. Optic appears clear until illuminated.



2307	2BA 959 560-102	
2307BULK	2TM 959 560-477	PACK OF 4
2307DT	2JA 959 560-481 – 250mm cable with DT and PMMA lens	
Other specifications as per Part No. 2054.		

DuraLED® Heavy Duty Side Marker Lamp with DT Connector – Red/Amber

Heavy duty red/amber LED side marker lamp with DT connector and nylon housing. Featuring ultra durable nylon (PA12) lens for extreme impact, UV, chemical and stress resistance. Optic appears clear until illuminated.



2073	2PS 980 990-001	
2073BULK	2PS 980 990-007	PACK OF 8
2073CHROME	2PS 980 990-021	
2073CHROME BULK	2PS 980 990-027	PACK OF 8
Mounting	Surface mount. Suitable for horizontal mounting.	
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems	
Power Consumption	<1W	
Protection	Reverse polarity protection. Fully sealed against dust, high-pressure washing and temporary water immersion.	
Spare Parts	4960-P	2 pole DT plug, wedge and 2 contacts.
Lens Material	Nylon (PA12)	
Compliance	ADR 45/01	

DuraLED® Heavy Duty Cab Marker /Supplementary Side Direction Indicator Lamp (Cat. 5) with DT Connector

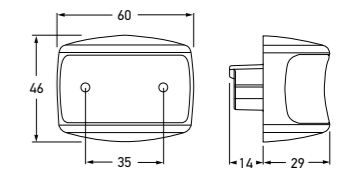
Heavy duty amber LED cab marker or supplementary side direction indicator lamp with DT connector and nylon housing. Featuring ultra durable nylon (PA12) lens for extreme impact, UV, chemical and stress resistance. Optic appears clear until illuminated.



2076	2BP 980 990-101	
2076BULK	2BP 980 990-107	PACK OF 8
Mounting	Surface mount. Suitable for horizontal mounting.	
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems	
Power Consumption	<1W	
Protection	Reverse polarity protection. Fully sealed against dust, high-pressure washing and temporary water immersion.	
Spare Parts	4960-P	2 pole DT plug, wedge and 2 contacts.
Lens Material	Nylon (PA12)	
Compliance	ADR 45/01	ADR 6/00: Cat 5

DuraLED® Heavy Duty Front Position /End Outline Lamp with DT Connector

Heavy duty white front position or end outline LED lamp (FEOL) with DT connector and nylon housing. Featuring ultra durable nylon (PA12) lens for extreme impact, UV, chemical and stress resistance. Optic appears clear until illuminated.



2074	2PF 980 990-201	
2074BULK	2PF 980 990-207	PACK OF 8
Mounting	Surface mount. Suitable for horizontal mounting.	
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems	
Power Consumption	<1W	
Protection	Reverse polarity protection. Fully sealed against dust, high-pressure washing and temporary water immersion.	
Spare Parts	4960-P	2 pole DT plug, wedge and 2 contacts.
Lens Material	Nylon (PA12)	
Compliance	ADR 49/00	

DuraLED® Heavy Duty Front End Outline Lamp with DT Connector

Heavy duty amber front end outline LED lamp (FEOL) for trailers with DT connector and nylon housing. Featuring ultra durable nylon (PA12) lens for extreme impact, UV, chemical and stress resistance. Optic appears clear until illuminated.



2071	2PF 980 990-401	
2071BULK	2PF 980 990-407	PACK OF 8
Mounting	Surface mount. Suitable for horizontal mounting.	
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems	
Power Consumption	<1W	
Protection	Reverse polarity protection. Fully sealed against dust, high-pressure washing and temporary water immersion.	
Spare Parts	4960-P	2 pole DT plug, wedge and 2 contacts.
Lens Material	Nylon (PA12)	
Compliance	ADR 49/00	

DuraLED® Heavy Duty Rear Position /End Outline Lamp with DT Connector

Heavy duty red rear position or end outline LED lamp (REOL) with DT connector and nylon housing. Featuring ultra durable nylon (PA12) lens for extreme impact, UV, chemical and stress resistance. Optic appears clear until illuminated.



2312	2XA 980 990-601	
2312BULK	2XA 980 990-607	PACK OF 8
Mounting	Surface mount. Suitable for horizontal mounting.	
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems	
Power Consumption	<1W	
Protection	Reverse polarity protection. Fully sealed against dust, high-pressure washing and temporary water immersion.	
Spare Parts	4960-P	2 pole DT plug, wedge and 2 contacts.
Lens Material	Nylon (PA12)	
Compliance	ADR 49/00	

MARKER & SIGNAL

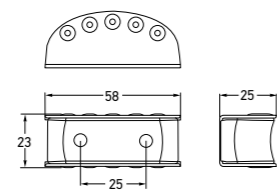
MARKER & SIGNAL

DuraLED® Heavy Duty Side Marker Lamp – Red/Amber

Heavy duty red/amber LED side marker lamp with stainless steel housing. Featuring ultra durable nylon (PA12) lens for extreme impact, UV, chemical and stress resistance. Optic appears clear until illuminated.



2058P



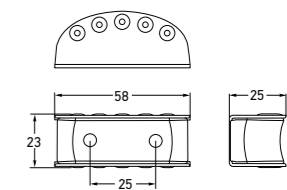
2058P	2PS 980 660-021		POLISHED FINISH
2058PBULK	2XS 980 660-038 – Pack of 4		
Mounting	Surface mount. Suitable for horizontal mounting.		
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems		
Power Consumption	<1W		
Protection	Reverse polarity protection. Fully sealed against dust, high-pressure washing and temporary water immersion.		
Cable Length	Pre-wired with 0.5m of sheathed multi-core cable. Bulk pack pre-wired with 2.5m of sheathed multi-core cable.		
Lens Material	Nylon (PA12)		
Compliance	ADR 45/01		
The industrial polishing process utilised on the housings may not always be 100% blemish free.			

DuraLED® Heavy Duty Front Position/End Outline Lamps

Heavy duty white front position/end outline LED lamp (FEOL) with stainless steel housing. Featuring ultra durable nylon (PA12) lens for extreme impact, UV, chemical and stress resistance. Optic appears clear until illuminated.



2061P	2PF 980 660-221		POLISHED FINISH
2061PBULK	2PF 980 660-238 – Pack of 4		
Mounting	Surface mount. Suitable for horizontal mounting.		
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems		
Power Consumption	<1W		
Protection	Reverse polarity protection. Fully sealed against dust, high-pressure washing and temporary water immersion.		
Cable Length	Pre-wired with 0.5m of sheathed multi-core cable. Bulk pack pre-wired with 2.5m of sheathed multi-core cable.		
Lens Material	Nylon (PA12)		
Compliance	ADR 49/00		
The industrial polishing process utilised on the housings may not always be 100% blemish free.			



DuraLED® Heavy Duty Cab Marker /Supplementary Side Direction Indicator Lamps (Cat. 5)

Heavy duty LED cab marker or supplementary side direction indicator lamp with stainless steel housing. Featuring ultra durable nylon (PA12) lens for extreme impact, UV, chemical and stress resistance. Optic appears clear until illuminated.



2027P



2027P	2BP 980 660-121		POLISHED FINISH
2027PBULK	2BP 980 660-138 – Pack of 4		
Mounting	Surface mount. Suitable for horizontal mounting.		
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems		
Power Consumption	<1W		
Protection	Reverse polarity protection. Fully sealed against dust, high-pressure washing and temporary water immersion.		
Cable Length	Pre-wired with 0.5m of sheathed multi-core cable. Bulk pack pre-wired with 2.5m of sheathed multi-core cable.		
Lens Material	Nylon (PA12)		
Compliance	ADR 45/01 ADR 6/00: Cat 5		
The industrial polishing process utilised on the housings may not always be 100% blemish free.			



DuraLED® Heavy Duty Front End Outline Lamps

Heavy duty amber front end outline LED lamp (FEOL) for trailers with stainless steel housing. Featuring ultra durable nylon (PA12) lens for extreme impact, UV, chemical and stress resistance. Optic appears clear until illuminated.



2062P	2PF 980 660-321		POLISHED FINISH
2062PBULK	2PF 980 660-338 – Pack of 4		
Other specifications as per Part No. 2061.			

DuraLED® Heavy Duty Rear Position/End Outline Lamps

Heavy duty red rear position/end outline LED lamp (REOL) with stainless steel housing. Featuring ultra durable nylon (PA12) lens for extreme impact, UV, chemical and stress resistance. Optic appears clear until illuminated.



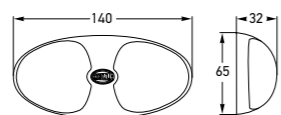
2311P	2XS 980 660-421		POLISHED FINISH
Other specifications as per Part No. 2061.			

MARKER & SIGNAL

MARKER & SIGNAL

DuraLED® Supplementary Side Direction Indicator Lamp (Cat. 5)

LED supplementary side direction indicator featuring amber impact resistant polycarbonate lens and HELLA's Ultra Wide Visibility Optics for significantly improved side visibility.



2031	2BM 959 700-011
Mounting	Two hole surface mount with mounting bushes supplied. Suitable for horizontal mounting.
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems
Power Consumption	3W
Protection	Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS). Fully sealed against dust, high-pressure washing and temporary water immersion.
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable. Blister pack with 0.5m cable
Projected Luminous Area	51cm ²
Lens Material	Polycarbonate
Compliance	ADR 6/00: Cat 5

DuraLED® Side Marker Lamp with Clear Lens

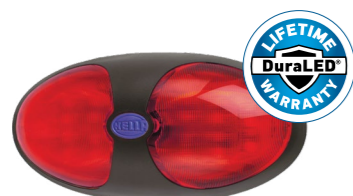
LED side marker featuring clear impact resistant polycarbonate lens and HELLA's Ultra Wide Visibility Optics for significantly improved side visibility. Optic appears clear until illuminated.



2033	2PS 959 700-201
Mounting	Two hole surface mount with mounting bushes supplied
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems
Power Consumption	3W
Protection	Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS). Fully sealed against dust, high-pressure washing and temporary water immersion.
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable. Blister pack with 0.5m cable.
Lens Material	Polycarbonate
Compliance	ADR 45/01

DuraLED® Rear Position /End Outline Lamp

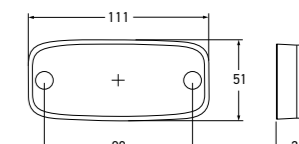
LED rear position/rear end outline lamp featuring red impact resistant polycarbonate lens and HELLA's Ultra Wide Visibility Optics for significantly improved side visibility.



2309	2BA 959 700-301
Mounting	Two hole surface mount with mounting bushes supplied. Suitable for horizontal mounting.
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems
Power Consumption	3W
Protection	Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS). Fully sealed against dust, high-pressure washing and temporary water immersion.
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable
Spare Part	9NH959028017 Screw boss kit
Lens Material	Polycarbonate
Compliance	ADR 49/00

LED Side Marker Lamps – Amber

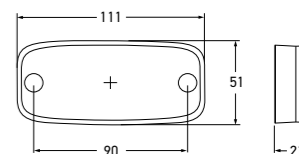
LED side marker with inbuilt amber retro reflector. Bridge circuit for protection against polarity reversal.



2PS 345 600-001	2047	12 VOLT DC
2PS 345 600-011	2048	24 VOLT DC
Power Consumption	12V DC 0.7W 24V DC 1.3W	
Protection	Fully sealed against dust, high-pressure washing/steam jet cleaning	
Cable Length	Pre-wired with 0.5m of sheathed multi-core cable	
Compliance	ADR 74/00: Cat. SM1 ADR 47/00 5881 ECE R3/02 ECE R7/02	

LED Rear Position Lamps – Red

LED rear position lamp with inbuilt red retro reflector. Bridge circuit for protection against polarity reversal.



2305	2TM 963 639-301	12 VOLT DC
2306	2TM 963 639-311	24 VOLT DC
Power Consumption	12V DC 0.5W 24V DC 1W	
Protection	Fully sealed against dust, high-pressure washing/steam jet cleaning	
Cable Length	Pre-wired with 5m of sheathed multi-core cable	
Compliance	ADR 47/00 ADR 49/00 5881 ECE R3/02 ECE R7/02	

DuraLED® Flush Mount Licence Plate Insert

White DuraLED® licence plate insert featuring a low profile of only 17mm and an ultra durable nylon (PA12) lens and an extreme impact, UV, chemical and stress resistance. Two inserts per licence plate are required for ADR compliance. Can be mounted either above or beside the licence plate. Optic appears clear until illuminated.



Recommended mounting

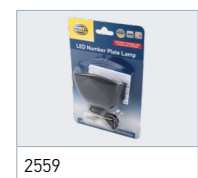
RF CommSafe ((H)) GMD Lens Material Power Supply MULTI VOLT Compliance ADR COMPLIANCE

2560	2KA 980 869-001	
2560BULK	2KA 980 869-027	PACK OF 16
Mounting	Surface mount	
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems	
Power Consumption	0.5W	
Protection	Reverse polarity protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high pressure/steam jet cleaning)	
Cable Length	Pre-wired with 0.5m of multi-core cable. Bulk pack pre-wired with 2.5m of multi-core cable.	
Spare Parts	9.2310.09-BULK 8HG958029001	Black screw caps (Pack of 4) Angle mount bracket
Lens Material	Nylon (PA12)	
Compliance	ADR 48/00	



LED Licence Plate Lamp

White LED licence plate lamp. Bulk version includes 20mm mounting spacer. Two lamps required for ADR compliance.



Base mounting hole centres
ø 5.8 to suit M5 or 1/4"

RF CommSafe ((H)) Power Supply MULTI VOLT Compliance ADR COMPLIANCE

2559	2KA 959 640-021	
2559BULK	2KA 959 640-057	PACK OF 8
25590EBULK	2KA 959 640-067 – No Spacer	PACK OF 8
Mounting	Surface mount	
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems	
Power Consumption	0.5W	
Protection	Reverse polarity protection. IP 6K6 (Protection against dust and high-pressure water jets) IP 6K7 (Protection against dust and temporary water immersion)	
Cable Length	Pre-wired with 0.5m of multi-core cable. Part No. 2559BULK - Bulk pack pre-wired with 2.5m of multi-core cable.	
Spare Parts	9.2559.01 9.2559.09 9.2559.19	LED insert Mounting kit - black Mounting kit - white
Compliance	ADR 48/00 ECE R4/00	
Note	Two lamps required for ADR compliance. One each side of licence plate or two above.	

LED Licence Plate Lamp

White LED licence plate lamp. Bulk version includes 20mm mounting spacer. One lamp required for ADR compliance.



Base mounting hole centres
ø 5.8 to suit M5 or 1/4"

RF CommSafe ((H)) Power Supply MULTI VOLT Compliance ADR COMPLIANCE

2559-1	2KA 959 640-301	
2559-1BULK	2KA 959 640-327	PACK OF 8
2KA 959 640-357	No Spacer	PACK OF 12
2559-1DT	2KA 959 640-381	DT CONNECTOR
2KA 959 640-437	Terminated to DG Specification 2-Way DT	PACK OF 8
Mounting	Surface mount	
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems	
Protection	Reverse polarity protection. IP 6K6 (Protection against dust and high-pressure water jets) IP 6K7 (Protection against dust and temporary water immersion)	
Cable Length	Pre-wired with 0.5m of multi-core cable. Bulk pack pre-wired with 2.5m of multi-core cable.	
Spare Parts	9.2559.08 9.2559.02 9.2559.09 9.2559.19	Mounting spacer - black LED insert Mounting kit - black Mounting kit - white
Compliance	ADR 48/00 ECE R4/00	
Note	One lamp to the side of the licence plate is required for ADR compliance.	

LED Licence Plate Lamp Insert

LED insert to suit LED licence plate Lamp, Part No. 2559.



RF CommSafe ((H)) Power Supply MULTI VOLT Compliance ADR COMPLIANCE

9.2559.01	2KA 959 640-121
Mounting	Flush Mount (gasket and screw caps included)
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems
Power Consumption	0.5W
Protection	Reverse polarity protection. IP 6K6 (Protection against dust and high-pressure water jets) IP 6K7 (Protection against dust and temporary water immersion)
Cable Length	Pre-wired with 2.5m of cable.
Compliance	ADR 48/00

LED Licence Plate Lamp Insert

LED insert to suit LED licence plate Lamp, Part No. 2559-1.



RF CommSafe ((H)) Power Supply MULTI VOLT Compliance ADR COMPLIANCE

9.2559.02	2KA 959 640-131
Mounting	Flush Mount (gasket and screw caps included)
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems
Power Consumption	0.5W
Protection	Reverse polarity protection. IP 6K6 (Protection against dust and high-pressure water jets) IP 6K7 (Protection against dust and temporary water immersion)
Cable Length	Pre-wired with 2.5m of cable
Compliance	ADR 48/00

RFCCommSafe™

LED Lighting Products with Superior Electromagnetic Compatibility



LED Licence Plate Lamp



DuraLED® Side Marker Lamp



DuraLED® Heavy Duty Side Marker Lamp



DuraLED® Heavy Duty Side Marker Lamp

HELLA LED LAMPS – QUALITY WITH PERFORMANCE

Electromagnetic Compatibility (EMC) is an increasingly relevant safety concern for many emergency, mining and industrial applications. As electronic devices such as LED lamps become more common, so does the risk of unintended electromagnetic interference (EMI) from inferior lamps that can have adverse effects on radios and other communication equipment.

HELLA Lamps marketed as RFCCommSafe™ are designed to go well beyond the regulatory requirements as defined in international standards such as EN 55015, CISPR 15, CISPR 25 or relevant UNECE R10 Standards.



RFCCommSafe™ products are specified by the New Zealand Fire Service



HELLA Australia Pty Ltd
HELLA Customer Service:
1800 061 729
info.au.hella@forvia.com
hella.com.au

[www.hella.com.au](#) Click to learn more

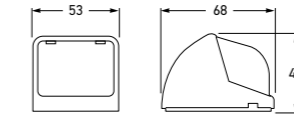
Technology with Vision



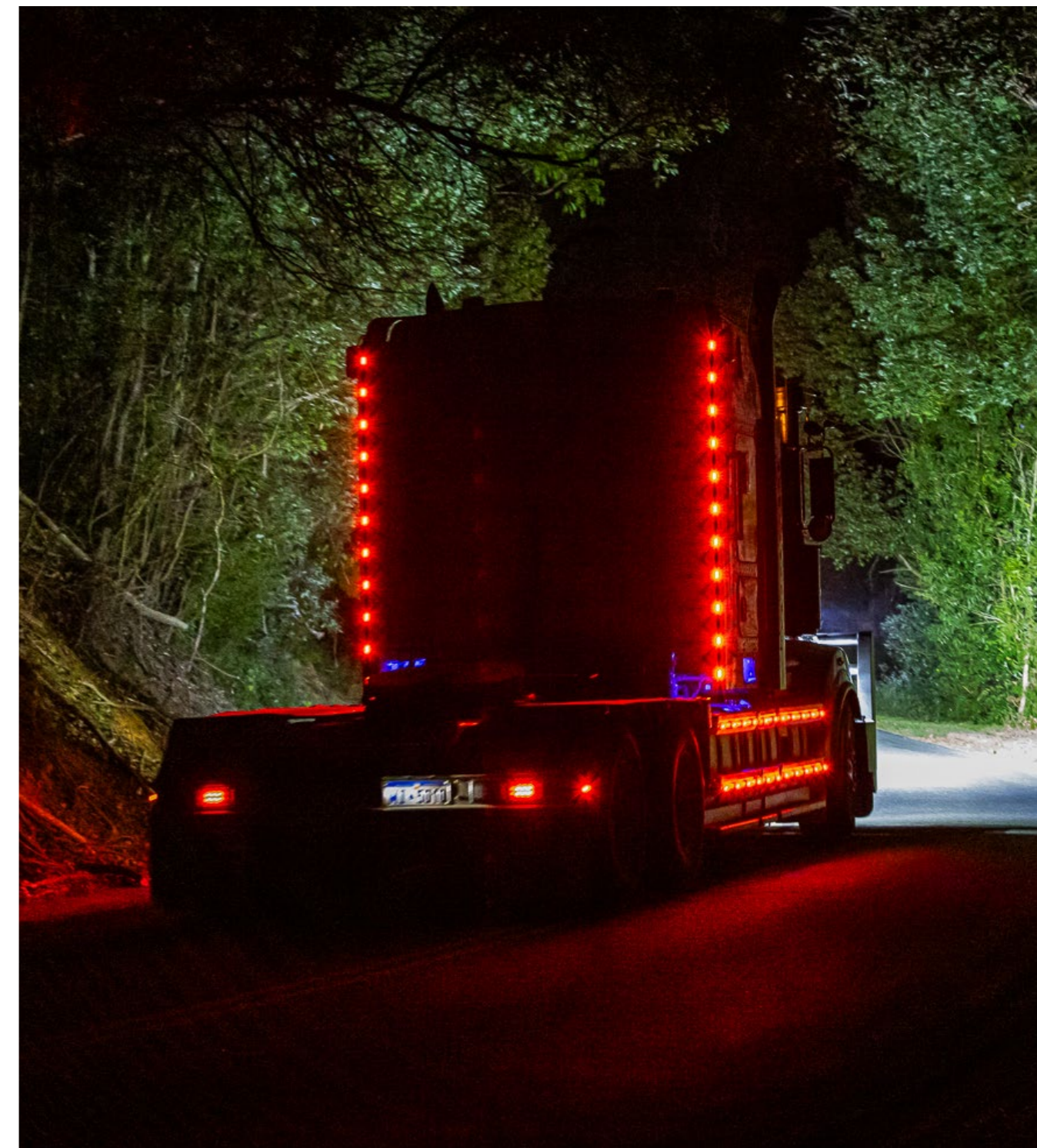
RECTANGULAR SERIES 68 X 53MM

Front Position/Front End Outline Lamp – White

Fitted with polycarbonate lens and single globe holder.



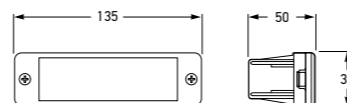
2066	2PF 006 679-001	
Mounting	Surface mount	
Voltage	Globe to be ordered separately	
Globes to Suit	12V	G1210 (Bayonet base)
	24V	G2410 (Bayonet base)
Compliance	ADR 49/00	



MARKER & SIGNAL

Front Direction Indicator Lamp (Cat. 1)

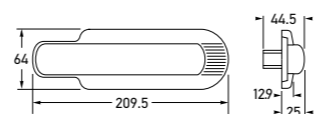
Universal flush mount front direction indicator lamp ideal for coach or bull-bar applications.



2BA 002 939-171 (previously 2101)	
Mounting	Flush mount. Suitable for left and right hand mounting.
Voltage	Globe to be ordered separately
Globes to Suit	12V R1221 24V R2421
Compliance	ADR 6/00: Cat 1

LED Auxiliary Side Indicator (Cat. 6)

LED side indicator lamp approved for heavy vehicles and buses/coaches, sealed against dust and water for many years of trouble-free usage. Optic appears clear until illuminated.



2BM 011 788-021		24 VOLT DC
Mounting	Horizontal surface mount	
Power Consumption	12V DC 4.8W 24V DC 3.5W	
Protection	IP 6K9 Fully sealed against dust, high-pressure washing/steam jet cleaning	
Cable Length	Pre-wired with 5m of sheathed multi-core cable	
Compliance	E11 7506 ECE R6/01 ADR 6/00 Cat. 6	

Supplementary Side Direction Indicator Lamp (Cat. 6)

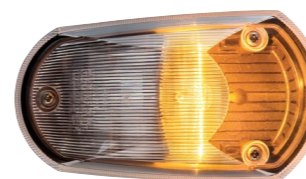
Side mounted direction lamp suitable for either left or right hand mounting.



9.2155.05

Supplementary Side Direction Indicator Lamp (Cat. 6)

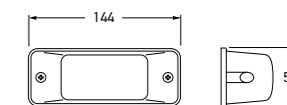
Side mounted direction lamp suitable for either left or right hand mounting. Optic appears clear until illuminated.



9.2155.05

Supplementary Side Direction Indicator Lamp (Cat. 6)

Side mounted direction indicator lamp with rubber base. Suitable for insulated earth circuits.



2153		2BM 006 692-012	LEFT HAND SIDE
2154		2BM 006 692-022	RIGHT HAND SIDE
Mounting	Surface mount		
Voltage	Globe to be ordered separately		
Globes to Suit	12V R1221 (Bayonet base) 24V R2421 (Bayonet base)		
Compliance	ADR 6/00: Cat 6		

Arrow on lens must face direction of travel.
Replacing ADR 6/00: Cat. 5 Supp. Side Direction Indicator Lamps with ADR 6/00: Cat. 6 Supp. Side Direction Indicator Lamps is permitted in all instances. Arrow on lens must face direction of travel.

Licence Plate Lamp



2KA 001 389-101 (previously 2553)		12 VOLT
Mounting	Surface mount	
Globes to Suit	12V G1210 (Bayonet base)	24V G2410 (Bayonet base)
Compliance	ADR 48/00	



REVERSING LAMPS
FIND MORE IN THE WORK LAMPS SECTION.

POWER BEAM S-SERIES
SEE PAGE 139



Q90 COMPACT LED
SEE PAGE 169



MODULE 70 LED GEN. III
SEE PAGE 170

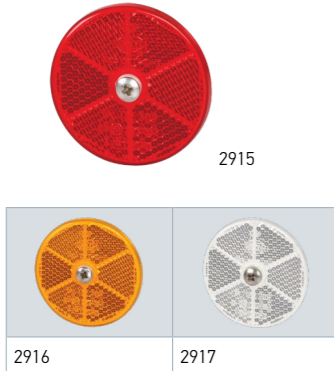
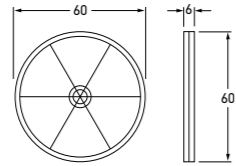


POWER BEAM 1000
SEE PAGE 171



Retro Reflectors

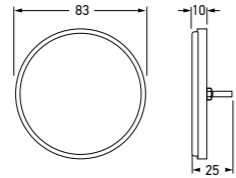
60mm diameter complete with mounting screw, 22cm².



2915	8RA 002 014-033	RED
2915/1000	8RA 002 014-036	
2916	8RA 002 014-131	AMBER
8RA 002 014-257	2916/1000 MOQ 1000	
2917	8RA 002 014-861	WHITE
2917/1000	8RA 002 014-043	
Compliance	ADR 47/00	

Retro Reflector - Red

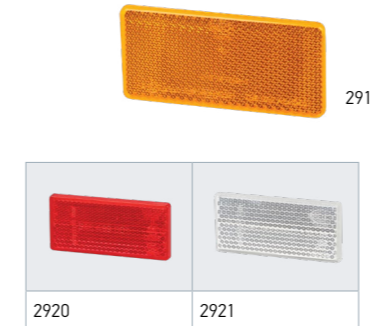
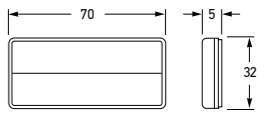
83mm diameter red acrylic retro reflector with black rim, 48cm².



2902	8RA 002 016-113
Mounting	Surface mount (single bolt mount - 16mm)
Compliance	ADR 47/00

Retro Reflectors

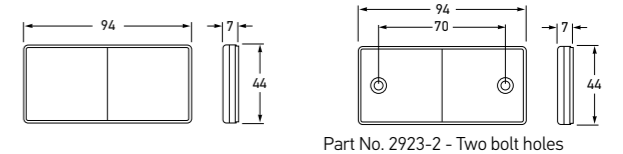
70 x 31.5mm self adhesive, 18cm².



2919	8RA 004 412-002	AMBER
8RA 004 412-001	2919BULK - MOQ 20	
8RA 004 412-001	2919/200 - MOQ 20	
2920	8RA 004 412-022	RED
8RA 004 412-021	2920/200 - MOQ 20	
2921	8RA 004 412-012	WHITE
8RA 004 412-011	2921/200 - MOQ 20	
Compliance	ADR 47/00	

Retro Reflectors

94 x 44mm self adhesive (except two bolt hole version), 33cm².



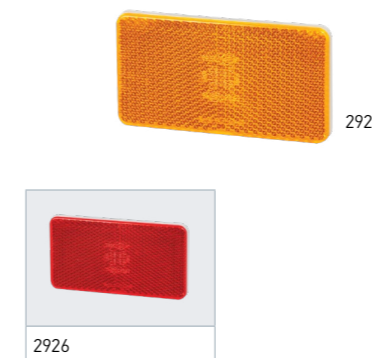
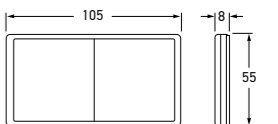
Part No. 2923-2 - Two bolt holes



2922	8RA 003 326-043	AMBER
8RA 003 326-047	2922BULK - MOQ 20	
8RA 003 326-017	2922-2/200 - MOQ 200 Two bolt holes	
2923	8RA 003 326-033	RED
8RA 003 326-001	2923-2BULK - MOQ 20 Two bolt holes	
2924	8RA 003 326-053	WHITE
8RA 003 326-021	2924-2BULK - MOQ 20 Two bolt holes	
Compliance	ADR 47/00	

Retro Reflectors

105 x 55mm self adhesive, 50cm².



2925	8RB 004 713-002	AMBER
2926	8RB 342 007-101	RED
Compliance	ADR 47/00	

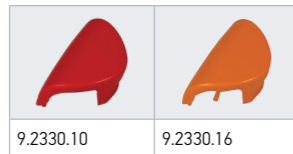
DuraLED® Accessories

Spare screw caps or screw bosses for the DuraLED® lamp range. Two screw caps and two screw bosses are required per lamp.



9.2330.15

SCREW CAPS - DURALED®		
9.2330.10	9HD 959 065-038 - Pack of 4	■ RED
9.2330.15	9HD 959 065-008 - Pack of 4	■ BLACK
9.2330.16	9HD 959 065-078 - Pack of 4	■ AMBER



9.2330.10

9.2330.16



9.2378.15-BULK

SCREW CAPS - DURALED® COMBI-S/COMBI-R		
9.2378.15BULK	9HD 980 712-007 - Pack of 4	■ BLACK



9.2378.09

SCREW CAP AND BOSS SET (2 OF EACH KIND)		
9.2378.09	9HD 980 712-801 - Black DuraLED® Combi-S Cap and Boss - Pack of 2	



9.2330.17

SCREW BOSS		
9.2330.17	9NH 959 059-008 - Pack of 4	



98071900

98071901

MOUNTING SPACERS - DURALED® COMBI		
98071900	8HG 980 719-001	■ BLACK
98071901	8HG 980 719-011	■ WHITE

Mounting spacer allows lamps to be surface mounted with the cable exiting any side of the spacer, or through the centre.

DuraLED® Marker Lamp Accessories

Spare mounting shrouds for the surface mount marker and surface mount courtesy lamp range. One mounting shroud is required per lamp.



9.2053.08



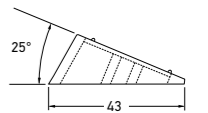
9.2073.20BULK

SHROUDS - DURALED® SURFACE MOUNT		
9.2053.08	9BG 910 274-001 - Nylon Retrofit Style	■ BLACK
9.2053.08BULK	9BG 959 565-308 - Nylon Retrofit Style - Pack of 4	■ BLACK
9.2053.10BULK	8HG 959 565-038 - Retrofit Style - Pack of 4	■ RED
9.2053.11BULK	8HG 959 565-018 - Retrofit Style - Pack of 4	■ WHITE
9.2053.15BULK	9BG 959 565-078 - Retrofit Style - Pack of 4	■ AMBER
9.2053.20BULK	9BG 959 565-408 - Retrofit Style - Pack of 4	■ CHROME PLATED
9.2073.20BULK	9BG 980 996-501 Pack of 12	■ CHROME PLATED

Retrofit style allows replacement of shroud without cutting cable of lamp.



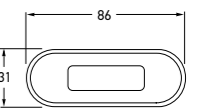
9.2053.07



ANGLE MOUNT - DURALED® SURFACE MOUNT		
9.2053.07	8HG 910 273-001	■ BLACK



95968600



RIMS - DURALED® FLUSH MOUNT		
95968500	9AB 959 685-002 - 316 Stainless Steel	■ POLISHED
95968506	9AB 959 685-062 - 316 Stainless Steel	■ SATIN CHROME PLATED
95968600	9AB 959 686-001	■ BLACK
95968601	9AB 959 686-011	■ WHITE

To suit wide marker and signal lamps with 29mm wide rim. Does not fit narrow rim lamps.



DuraLED® Marker Lamp Accessories



9.2310.09-BULK



9.2310.11-BULK

SCREW CAPS - DURALED® FLUSH MOUNT		
9.2310.09BULK	9HD 980 858-007 - Pack of 4	■ BLACK
9.2310.11BULK	9HD 980 858-017 - Pack of 4	■ WHITE

Pack sizes of 50 available upon request.

DuraLED® DT Marker and Signal Lamp Accessories



4963-P



4960-P

DT PLUG, WEDGE AND CONTACTS		
4960-P	8JA 959 736-811	2 POLE
4963-P	8JA 959 736-801	6 POLE

EuroLED® Accessories

Spare covers or screw bosses for the EuroLED® range of lamps. One cover and two screw bosses are required per lamp.



8HG959952012



9NH959028017



8HG959952002

SCREW BOSS		
9NH 959 028-017	Pack of 2	■ OFF WHITE

MOUNTING SPACER		
8HG 959 952-002	Single	■ BLACK
8HG 959 952-012	Single	■ WHITE

LED Combination Trailer Lamp Accessories

To suit LED combination lamp Part No. 2394 and 2395.



9.2394.09

9.2394.09	8HG 980 727-002	15MM SPACER
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Mounting spacer allows lamps to be surface mounted with the cable exiting any side of the spacer or through the centre.

Jumbo-S Accessories

Accessories for the Jumbo-S LED lamp range.



MOUNTING GASKET BASE, SPACERS AND 1¼" SCREWS		
9.2361.08	9HD 980 768-801	

Allows Jumbo-S lamps to be surface mounted.

SCREW CAPS AND 1" SCREWS		
9.2361.09	9HD 980 767-801 - Set of 4	

Designline/Jumbo-S/Jumbo Accessories

Housings for the Designline/Jumbo-S/Jumbo lamp range.



9.2423.09 BULK



9BG 958 338-001

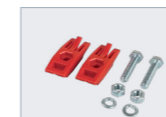


9BG 958 338-011



9BG 958 338-021

HOUSING - SINGLE, DOUBLE, TRIPLE MODULE & BULK PACKS		
9.2041.09BULK	9BG 958 568-027 - Pack of 10	
9.2422.09	9BG 958 559-011 - Double	
9.2422.09BULK	9BG 958 559-017 - Pack of 10	
9.2423.09	9BG 958 615-011 - Triple	
9BG 958 338-001	Triple with Cable Grommet Exit	
9BG 958 338-011	Triple to Suit M16 Conduit Gland	
9BG 958 338-021	Triple to Suit Flange Mount DT Connector	
9.2391.08	8HG 958 421-381 - Mounting clip and bolt set suits Jumbo-S triple (2430, 2431), 2391, 2392, triple housings 9BG 958 338-001/-011/-021	



8HG 958 421-381

Licence Plate Lamp Accessories

Mounting kit for licence plate lamp Part No. 2559. Includes a housing, cover, screw bosses, screws and screw caps. One mounting kit is required per lamp.



9.2559.19



9.2559.09

MOUNTING KIT		
9.2559.09	8HG 959 647-031 - Single	■ BLACK
9.2559.19	8HG 959 647-041 - Single	■ WHITE

Suits Part No. 2559, 2308, 2055 and all narrow rim LED courtesy lamps. Part No. 9.2559.09 is included with every LED Licence Plate pack (display and bulk packs).

MOUNTING SPACER AND EXTENDED SCREW BOSSES		
9.2559.08	8HG 959 647-021	■ BLACK

Suits LED Licence Plate Lamp, Part No. 2559. Included in every LED Licence Plate Bulk Pack, Part No. 2559BULK.

Surface Mount Strip Lamp - Screw Caps



9.1009.09

9.2652.09

9.1009.10

SURFACE MOUNT STRIP LAMP SCREW CAPS		
9.1009.09	9HD 980 885-017 - Pack of 4	■ CHARCOAL
9.2652.09	9HD 980 885-007 - Pack of 4	■ WHITE
9.1009.10	9HD 980 885-107 - Pack of 4	■ CHROME PLATED

Marker and Courtesy Lamp Gaskets

Gaskets for narrow rim LED courtesy lamps. Curved mount gasket (Part No. 9GD 959 515-207) is designed to suit 64mm (2.5") pipes. Flexibility allows this particular gasket to suit a variety of curve radii.



9GD 959 515-207

NARROW RIM (LAMP WIDTH 22MM)		
9GD 959 515-207	- Curved mount - Pack of 4	RUBBER

Strip Lamp Gaskets

Gaskets for narrow and wide rim strip lamps.



9GD 959 155-107



9GD 959 155-507

NARROW RIM (LAMP WIDTH 26MM)	
9GD 959 155-107	- Single RUBBER

WIDE RIM (LAMP WIDTH 33MM)	
9GD 959 155-507	- Pack of 10 CLOSE CELL FOAM

Plastic Screw Caps

Two screw caps required per lamp.



9HD 959 182-037

SPARE PLASTIC CAPS	
9HD 959 182-037	- Pack of 20 ■ BLACK

To suit narrow and wide rim LED courtesy, marker and strip lamps.

110mm Round - Lens Gasket



9.2397.40

110MM ROUND - LENS GASKET	
9.2397.40	9GD 905 850-001



Contents

LED Safety DayLights™

- LED Safety DayLights™75
- LED Safety DayLights™
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LED Safety DayLights™

Safety DayLights™ are designed to be illuminated during the day, making your vehicle more visible on the open road. Be seen and be safe.



HELLA LED SAFETY DAYLIGHTS™

BE SAFE BE SEEN

Failure to see another road user in time (or at all) is a contributing factor in over 50% of all daytime accidents. For daytime intersection accidents this increases to as much as 80%.

Source: The Safety Effects of Daytime Running Lights, SWOV, 1997

Why Install HELLA Safety DayLights™?

You might ask yourself "can't I just switch on my headlamps?", since the use of dipped beam headlamps during daylight hours has long been promoted as a Road Safety Initiative around the country.

Dipped beam headlamps are designed to effectively light up the road in front of the vehicle during darkness, whilst causing as little glare as possible to oncoming traffic.



Hence during daytime, dipped beam headlamps 'waste' most of their light directed to the road in front of the vehicle but provide very little as a signal to other road users in bright daylight. Using your Dipped Beam Headlamps during daylight hours has only a marginal added safety effect.

Safety DayLights™ on the other hand are designed to significantly enhance the conspicuity of your vehicle during daylight hours because precision optics direct all the light towards the other road users.

HELLA LED Safety DayLights™

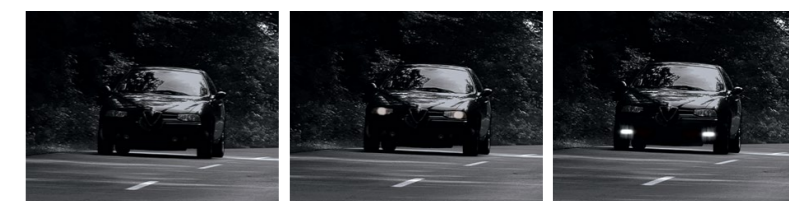
Safety DayLights™ are forward facing signal lamps that significantly enhance the visibility of your vehicle during daylight hours to prevent vehicle crashes by 'accidental oversight'.

As road users we have all experienced the 'fright second' of a near miss by being overlooked by another car, van or truck.

Equally frightening is almost not noticing another vehicle approaching due to an inconspicuous vehicle colour, the low sun casting harsh shadows or sun strike.

Any single one of these 'fright seconds' has the potential to end in a tragic outcome and become a number in the road toll statistics.

Safety DayLights™ are a "never forget" safety enhancement. They automatically switch ON when the ignition is switched ON and automatically switch OFF when the headlamps are turned ON in order not to dazzle other road users at night.



Headlamps Off

Low Beam Headlamps

HELLA LED Safety DayLights™

Low Beam Headlamps



Designed to light the road at night without causing glare to other road users.

HELLA LED Safety DayLights™



Designed to increase the visibility (conspicuity) of your vehicle during daylight hours.

LED combination lamp CirLED 90

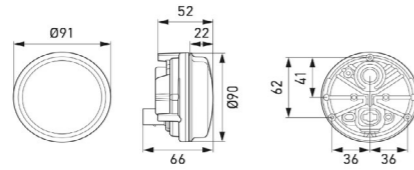
Three functions combined: HELLA's new CirLED 90 combination light offers daytime running light, position light and indicator light in one round module.

Due to the compact design in 90 mm format and the low installation depth, the combination light can be easily integrated into the vehicle environment. At the same time it can be combined with all HELLA main light modules as desired.

The optically floating lens embedded in a black ring gives the module a modern look. Furthermore the homogeneous light signature creates an elegant front design.

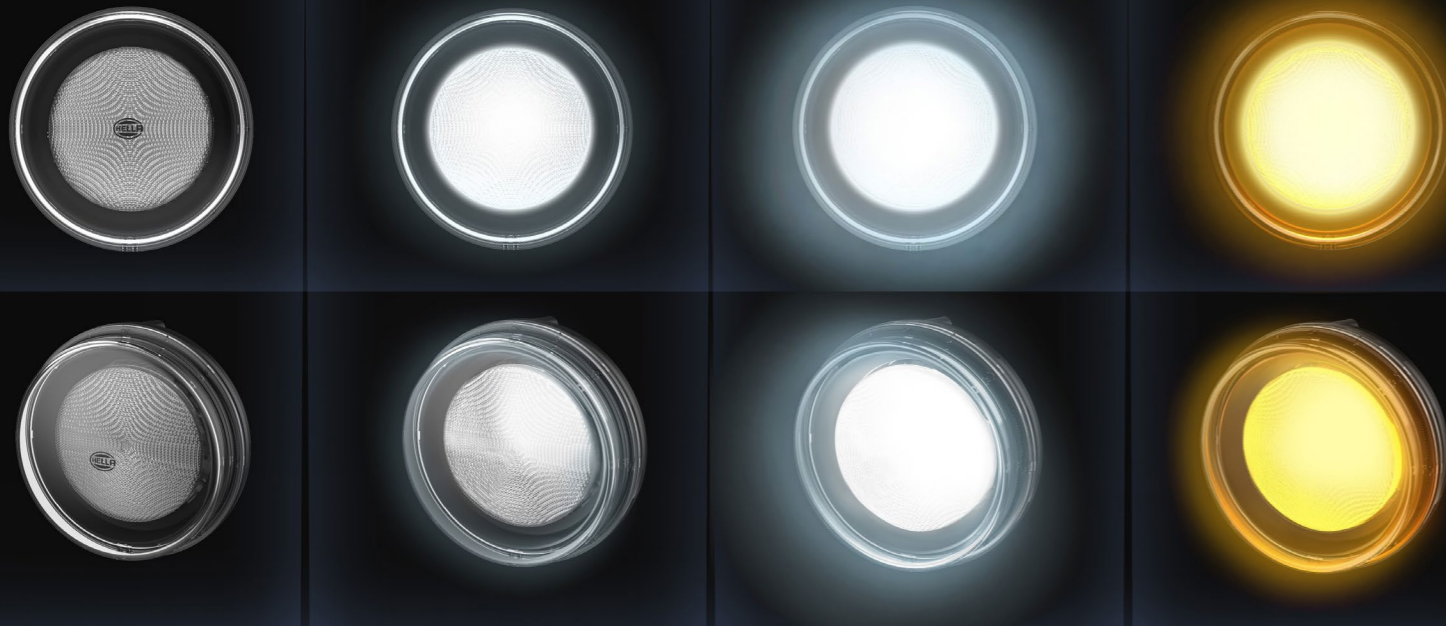
The various light functions of the CirLED 90 can be combined in different ways. Thereby the integrated LEDs deliver maximum efficiency in a small space.

Thanks to protection classes IP 5K4K and IP 5K9K, the robust module is waterproof, dustproof and resistant to high-pressure cleaning.



2BE 016 540-011	Position, daytime running and direction indicator light, ECE - Deutsch Connector
Light function	Daytime running light, Direction indicator and position light
Operating Voltage	Multi-voltage (10 – 30 V)
Voltage	12 V / 24 V
Current consumption	Daytime running light: 0,14 A (32 V) Position light: 0,035 A (32 V) Direction indicator light: 0,14 A (32 V)
Power consumption	Daytime running light: 5 W Position light: 1,5 W Direction indicator light: 5 W
Light source	LED
Material	Housing: Polycarbonat Lens: Polycarbonat
Weight	170 g (base weight)
Operating Temperature	-40 °C to + 65 °C
Protection class	IP 5K9K, IP 5K4K
Connection	DEUTSCH-connector
Type Approval	ECE R148.01, FMVSS 108, CCC
EMC protection	ECE-R10, CISPR 25 Class 5*
Mounting	With screws and additional carrier frame (back/front)

*In some frequency ranges, CISPR 25 Class 3.



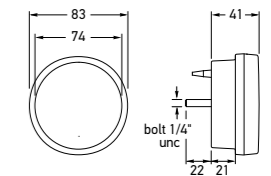
**LED Safety DayLights™
- 83mm Round with Front Position
/ Front Direction Indicator Lamp**

This LED Combination Lamp features an integrated Safety DayLight, front position and front direction indicator function. The lamp features a traditional round lens that illuminates with a distinctive ring of white LEDs when used as a Safety DayLight. This lamp eliminates the need for installation of multiple lamps.



83MM LAMP FUNCTIONS

LED Safety DayLights™	Front position	Front direction indicator

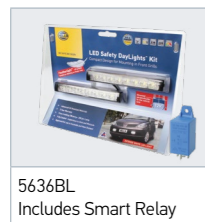


2108-GMD	2BE 980 687-111	12 VOLT
2108-GMD24V	2BE 980 686-011	24 VOLT
Mounting	Flush mount. Single bolt 1/4" stainless UNC thread. Nut and washer supplied.	
Power Consumption	Part No. 2108-GMD Safety DayLights™: 3W Front position: 1W Front indicator: 4W	Part No. 2108-GMD24V 4W 1W 4W
Protection	Reverse polarity and transient spike circuit protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)	
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable	
Lens Material	Nylon (PA12)	
Compliance	ADR 6/00: Cat 1 ECE R6/01	ADR 49/00 ECE R7/02
	ADR 76/00 ECE R87/00	E24 5854 Recycling symbol

See page 79 for mounting accessories.

LED Safety DayLights™ Kit - Easy-Fit

Forward Facing Signal Lamps, designed to be mounted on vehicles with flat fronts, or on motorbikes. The lamps are an Easy-Fit installation, usually requiring no extra parts. Once the wiring is complete and the bracket is fitted, the LED lamp easily clips into place and installation is complete.



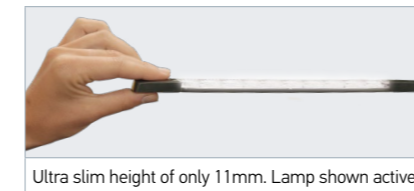
5636BL
Includes Smart Relay

5636	2PT 980 970-801	12 VOLT	
5636BL	2PT 980 970-802 – (Blister Pack)	12 VOLT	
5636-24V	2PT 980 970-851	24 VOLT	
Mounting	Suitable for horizontal mounting		
Power Consumption	2W		
Protection	Reverse polarity protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)		
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable		
Lens Material	High impact acrylic.		
Compliance	ADR 76/00	E24 5875	ECE R87/00
Kit Contents	5636/...-24V 2 x LED Safety DayLights™ 2 x Mounting brackets 6 x Mounting screws 1 x Changeover relay 1 x Instruction sheet	5636-BL 2 x LED Safety DayLights™ 2 x Mounting brackets 6 x Mounting screws 1 x Smart controller relay 1 x Terminal kit 1 x Instruction sheet	

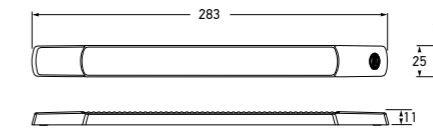
See page 92 for front position relay option.

LED Safety DayLights™ Kit - Surface Mount

Surface Mount LED Safety DayLights™ designed to fit flat-fronted vehicles. Comes either as a single lamp, or as a kit. The lamp is ADR compliant and features a Grilamid® lens to protect against impact damage.



Ultra slim height of only 11mm. Lamp shown active.

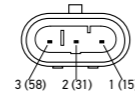
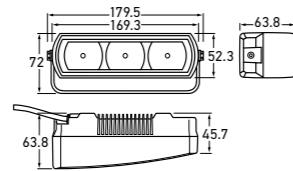


5619	2PT 980 880-801 – (Horizontal mount)	12 VOLT
5619-24V	2PT 980 880-851 – (Horizontal mount)	24 VOLT
5619V	2PT 980 880-901 – (Vertical mount)	12 VOLT
5619V-24V	2PT 980 880-951 – (Vertical mount)	24 VOLT
Power Consumption	3W	
Protection	Reverse polarity protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)	
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable	
Spare Parts	1009 Single lamp 12V (Horizontal mount) 1009-24V Single lamp 24V (Horizontal mount) 1009V Single lamp 12V (Vertical mount) 1009V-24V Single lamp 24V (Vertical mount) 9.2652.09 White screw caps (Pack of 4) 9.1009.09 Charcoal screw caps (Pack of 4) 9.1009.10 Chrome plated screw caps (Pack of 4)	
Lens Material	Nylon (PA12)	
Compliance	ADR 76/00	E24 5869 ECE R87/00
Kit Contents	2 x LED Safety DayLights™ 4 x Mounting screws 4 x Screw caps	1 x Changeover relay 1 x Instruction sheet

See page 92 for front position relay option.

**LED Safety DayLights™ Kit
- Rectangular**

Universal Rectangular Safety DayLights™ equipped with 3 x high-performance LEDs and high-sheen metallised free-form (FF) reflectors for a superior signal pattern and maximum visibility to oncoming traffic during the day. Automatically switches on when the engine is started and switches off when the main headlamps are activated or the engine is turned off.



2PT 009 496-801	5608
Mounting	Upright or Pendant. Universal mounting bracket included.
Voltage	Multivolt™ for optimum brightness at input voltage from 9 to 33 volts
Power Consumption	12V <5W (single lamp) 24V <11W (single lamp)
Protection	Reverse polarity and transient spike circuit protection
Cable Length	Pre-wired with 0.45m of sheathed multi-core cable
Spare Part	5608LRH Rectangular LED Safety DayLight
Lens Material	Polycarbonate
Compliance	(E) 2344 ECE R87/00 ADR 76/00
Kit Contents	2 x LED Safety DayLights™ 1 x Pre-assembled professional harness 1 x Waterproof AMP plug

Safety DayLights Smart Controller

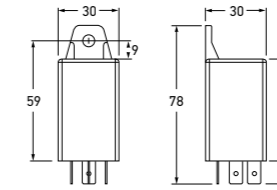
This Smart Controller is designed to simplify the installation of HELLA's LED Safety DayLights™ range by eliminating the need to wire the lamp, or changeover relay to ignition terminal 15.

The Safety DayLights™ Smart Controller can be wired directly to the positive terminal of the battery, which saves the difficult and often time consuming task of finding the ignition feed.

The Smart Controller monitors the voltage supply from the battery and will automatically switch the Safety DayLights™ on when the engine is started, and automatically switch them off when the headlamps are activated, or the engine is turned off.

Safety DayLights™ Smart Controller

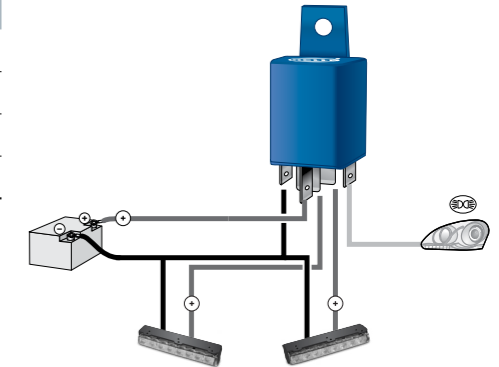
*Advanced version with voltage variation monitor for installation in vehicles with fuel saving alternators



3090	5DF 980 818-011 – (Advanced*)
3091	5DF 980 818-001 – (Standard)
Voltage	Multivolt™ suitable for 12 and 24 volt systems
Maximum Continuous Load	20W
To Suit	HELLA LED Safety DayLights™ range
Features a Safety DayLights™ OFF delay of approximately 10 seconds.	

WIRING SPECIFICATIONS

Terminal Number	Connect to
30	Battery (+)
31	Earth return (-)
86	Front position or headlamps (+)
DL1 & DL2	Safety DayLights™ (+)

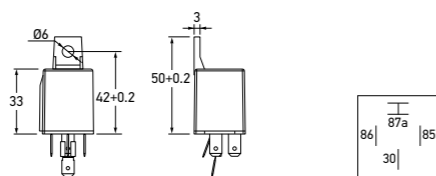


Dual Function Safety DayLights™ Controller

This Controller is designed to turn your HELLA Safety DayLights™ into front position lamps at night. The dual function controller is connected and activated by the headlamp of the vehicle.

The dual function controller reduces the current to the Safety DayLights™ thus turning them into road legal* front position lamps. Only one controller is required for a pair of HELLA Safety DayLights™.

* Please note legally required spacing of front position lamps and only one pair of front position lamps is legally permitted.

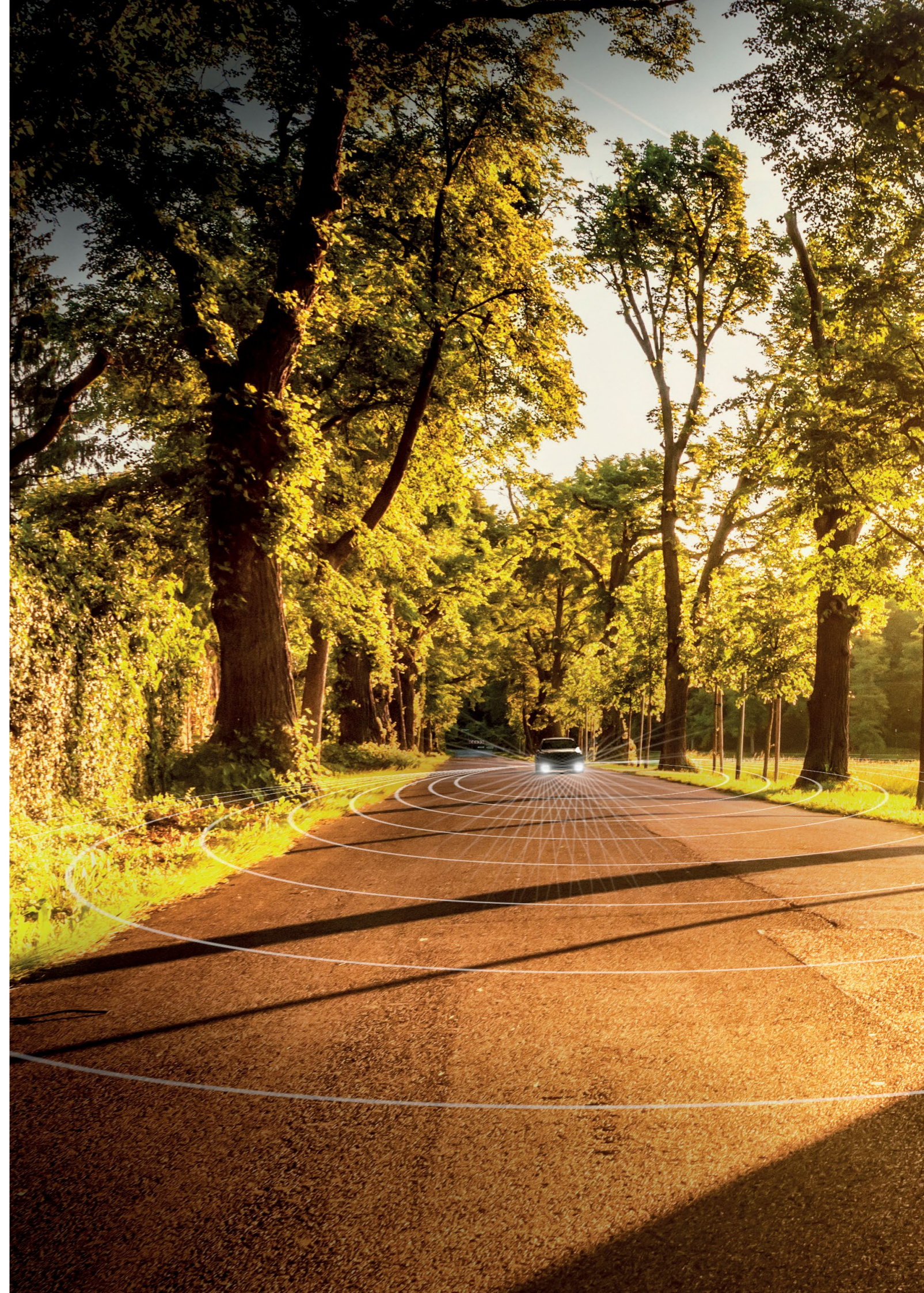
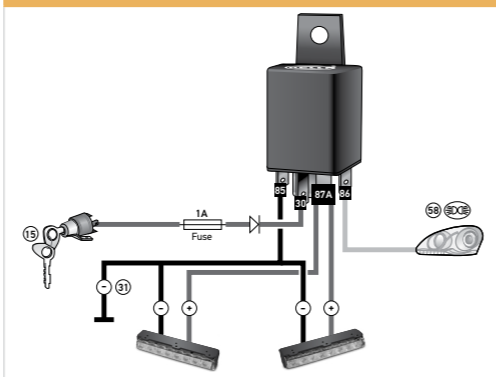


9.5630.03	2DF 980 816-041	12 VOLT
To suit Part No.	9.5630.03	1009, 5619, 5630, 5631

WIRING SPECIFICATIONS

Terminal Number	Connect to
30	Ignition (+)
85	Earth return (-)
86	Front position or headlamps (+)
87A	Safety DayLights™ (+)

RECOMMENDED INSTALLATION DIAGRAM FOR WIRING





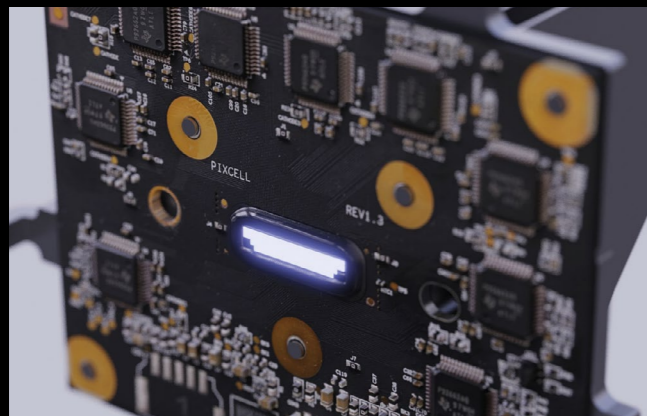
Contents

Headlamps and Inserts

90mm Modules - Performance.....	86-87, 90
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Semi Sealed Headlamps and Housings 7" Round.....	93-94
Semi Sealed Headlamps 5 3/4" Round	95-96
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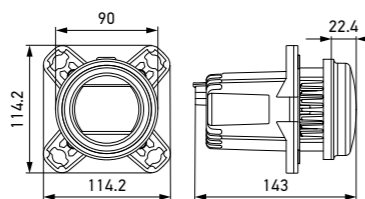
Headlamps and Inserts

HELLA has manufactured headlamp systems for more than 125 years. The durability and reliability of HELLA products has made HELLA a world leader in headlamp technology.



90mm Performance Sealed LED Headlamp Modules - L4060 Series

The L4060 low beam headlamp module provides the best of HELLA OE headlamp technology in a retrofit solution that can be fitted to a wide variety of vehicles. High quality optics utilise a 55x70 square aperture lens, providing uniform illumination, sharp cut off patterns and high illumination efficiency.



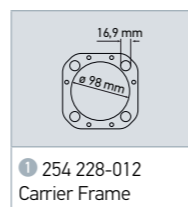
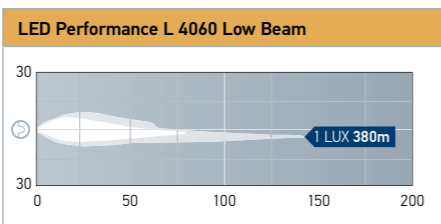
1ML 012 488-111	LOW BEAM
1ML 012 488-131	LOW BEAM + DRL + PO
Mounting	Standard 90mm module mounting (4x lugs, 85mm square pattern). Includes both mounting kit options as standard
Voltage	9-32V
Power Consumption	Low Beam: 20W DRL: 16W PO: 2W
Light Source	LED
Weight	764 g (Low Beam), 781 g (Low Beam + DRL + PO)
Connection	Integrated DT Type Socket, 4-pin
Colour Temperature	5500 K
Lens Material	Coated Polycarbonate
Compliance	ECE R112/01 ECE R10 (E) 0072. E1 0069
Accessory	254 228-012 Carrier Frame



1ML 012 488-111



1ML 012 488-131



1 254 228-012 Carrier Frame



90mm Performance Sealed LED Headlamp Modules - L4060 Series

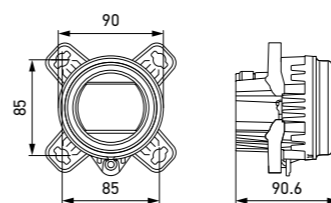
The L4060 high beam modules may be used with the low beam module in an ensemble or as a stand-alone high beam or auxiliary lamp solution. The modules can also provide an integrated Daytime Running light/Position Outline function or direction indicator function with HELLA LED ring technology.



PART	FUNCTION	WITH CARRIER FRAME	WITH PULSE GENERATOR	FORDING ABILITY
1F0 011 988-021	HIGH BEAM	X		
1F0 011 988-121	HIGH BEAM			
1F0 011 988-031	HIGH BEAM + DRL + PO	X		
1F0 011 988-131	HIGH BEAM + DRL + PO			
1F0 011 988-081	HIGH BEAM + DIRECTION INDICATOR	X	X	
1F0 011 988-181	HIGH BEAM + DIRECTION INDICATOR		X	
1F0 011 988-071	HIGH BEAM + DIRECTION INDICATOR	X		
1F0 011 988-171	HIGH BEAM + DIRECTION INDICATOR			
1F0 011 988-191	HIGH BEAM + DIRECTION INDICATOR		X	X
1N0 011 988-001	FOG	X		
1N0 011 988-011	FOG + DRL + PO	X		
1N0 011 988-051	FOG + CORNERING (LEFT)	X		
1N0 011 988-061	FOG + CORNERING (RIGHT)	X		

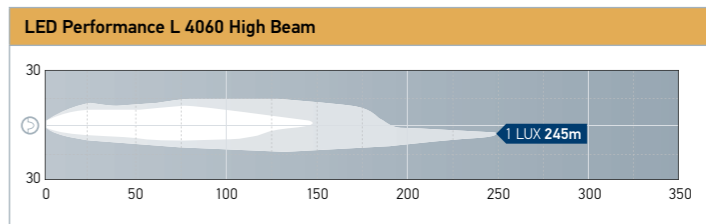


1F0 011 988-121



1F0 011 988-131

Mounting	Standard 90mm module mounting (4x lugs, 85mm square pattern). Includes both mounting kit options as standard.
Voltage	9-32V
Power Consumption	High Beam: 20W DRL: 16W PO: 2W
Light Source	LED
Weight	552 g
Connection	Integrated FEP Type Socket, 4-pin
Colour Temperature	5500 K
Lens Material	Coated Polycarbonate
Compliance	ECE R112/01 ECE R10 (E) 0071 (E) 0069
Accessory	9AH 254 228-012 Carrier Frame



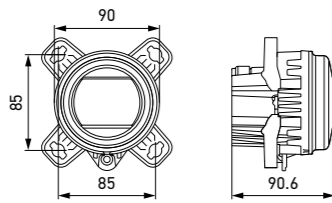
1 9AH 254 228-012 Carrier Frame



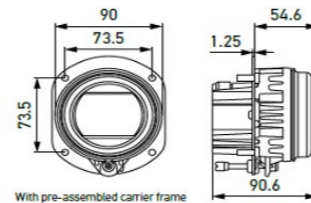
4988-P FEP



1F0 011 988-121
1F0 011 988-131



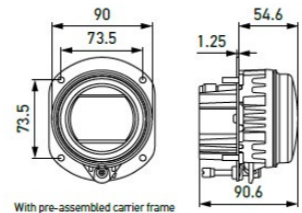
1F0 011 988-081
1F0 011 988-181
1F0 011 988-191



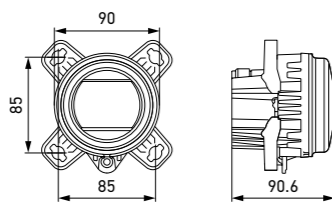
1F0 011 988-021
1F0 011 988-031



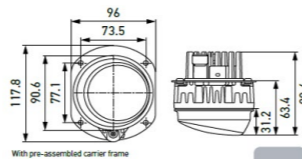
1N0 011 988-001
1N0 011 988-011



1F0 011 988-071
1F0 011 988-171



1N0 011 988-051
1N0 011 988-061



90mm Essential Sealed LED Headlamp Modules - R 80 Series

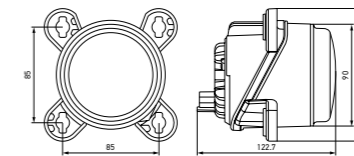
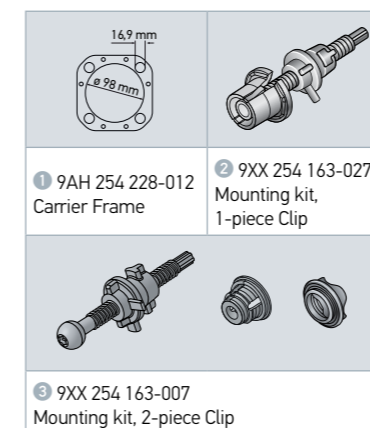
The Essential Series R 80 headlamp modules provide quality HELLA OE LED lighting technology in a cost effective, robust product. Using an innovative reflector based optical design, the R 80 series produces a well controlled, homogeneous distribution of light that is synonymous with the HELLA brand. With a robust aluminium housing and polycarbonate lens construction, the R 80 series is an ideal upgrade for older halogen headlights offering a long, maintenance-free service life and reduced operating costs. The R 80 is also more compact than many other LED lighting modules with lens-based optics.



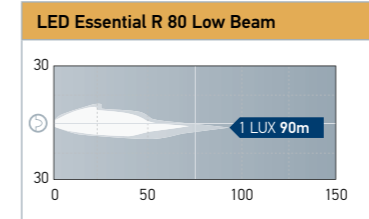
1M0 015 050-011



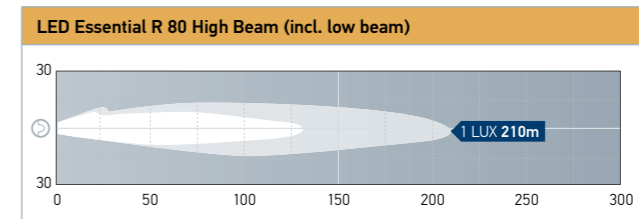
1K0 015 050-021



1M0 015 050-011		LOW BEAM
Mounting	Standard 90mm module mounting (4x lugs, 85mm square pattern). Requires optional mounting kit.	
Voltage	9-32V	
Power Consumption	24W	
Light Source	LED	
Weight	445 g	
Connection	Integrated DT Type Socket, 2-Pin	
Colour Temperature	5750 K	
Lens Material	Coated Polycarbonate	
Compliance	ECE R112/01 ECE R10 E18993	



1K0 015 050-021		HIGH BEAM
Mounting	Standard 90mm module mounting (4x lugs, 85mm square pattern). Requires optional mounting kit.	
Voltage	9-32V	
Power Consumption	14.5W	
Light Source	LED	
Weight	445 g	
Connection	Integrated DT Type Socket, 2-Pin	
Colour Temperature	5750 K	
Lens Material	Coated Polycarbonate	
Compliance	ECE R149 Ref.20 ECE R10 E18993	



To the product video

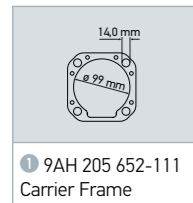


90mm Performance Sealed Bi-LED Headlamp Modules - L5570 Series

HELLA's top-end Bi-LED technology is the choice of premium European automobile manufacturers. The 2nd generation Bi-LED module with further enhanced lighting/electronics allows for this OE-derived technology to be fitted to vehicles requiring a single module providing low and high beam illumination. Internal optics utilise a 55x70 square aperture lens, hidden behind an optically clear Coated PC external lens. Only passive cooling to the rear of the module is required. Control electronics provide a function output for failure control.



1LL 012 758-111 (L5570 Series)



9AH 205 652-111 Carrier Frame

90mm Performance Sealed Bi-LED Headlamp Modules - L4565 Series

The L4565 Series Bi-LED module is the third Generation of the Performance series of 90mm LED Headlamp modules and introduces a new Zero Tolerance Integration mounting system.

The lamp is mounted by the front fascia and lamp aiming adjustments occur internally. 'Clearance gaps' required for conventionally mounted modules to achieve module aiming adjustments are no longer needed, the latest electronics and LED developments are also included to produce a headlamp module packed with the very best in OE style lighting technology.



1LL 015 318-041 (L4565 Series)

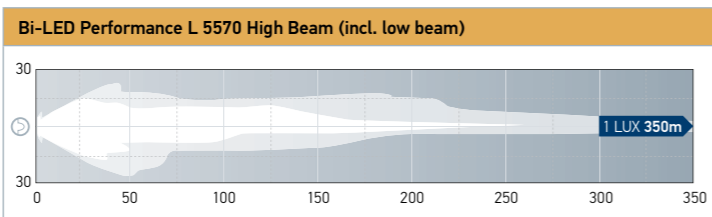
Power Supply
MULTI VOLT

Certified
ECE
CERTIFIED

Compliance
ADR
COMPLIANCE

Technology
LED

1LL 012 758-111 - L5570		LOW AND HIGH BEAM
Mounting	4x Pre-Mounted 10mm Ball Joints, 85mm x 120mm pattern. Mounting clips to suit 14/17mm holes for panel mounting included.	
Voltage	9-32V	
Power Consumption	Low Beam: 21W High Beam: 34.5W (Total, combined with low beam)	
Light Source	LED	
Weight	1280 g	
Connection	Integrated DT Type Socket, 4-Pin	
Colour Temperature	6000 K	
Lens Material	Coated Polycarbonate	
Compliance	ECE R112/01 Ref.20 ECE R10 (E) 4209	



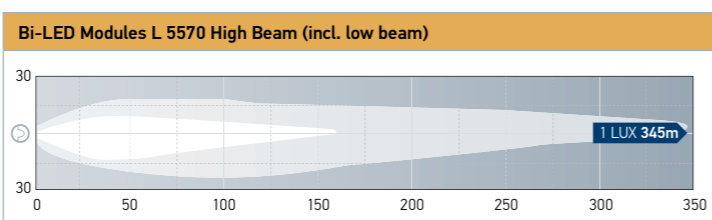
Power Supply
MULTI VOLT

Certified
ECE
CERTIFIED

Compliance
ADR
COMPLIANCE

Technology
LED

1LL 015 318-041 - L4565		LOW AND HIGH BEAM
Mounting	4x Bolted mount, Trapezoidal pattern	
Voltage	9-32V	
Power Consumption	Low Beam: 22W High Beam: 41W (Total, combined with low beam)	
Light Source	LED	
Weight	1565 g	
Connection	Integrated DT Type Socket, 4-Pin	
Colour Temperature	5500 K	
Lens Material	Coated Polycarbonate	
Compliance	ECE R149 Ref.17.5 ECE R10 (E) 0020	



7" Round LED Headlamps - High/Low Beam and Daytime Running Lamp/Front Position

The high/low beam function of the 7" LED headlamp range offers 1150/750 lumen light output and a wide spread creating a superior light distribution increasing peripheral vision. With the added feature of Daytime Running Lamps and Front Position Lamps the 1058LED is a one-stop-shop for all headlamp needs, increasing visibility and therefore safety on the road.

Combining the latest state of the art LED technology, multi-voltage 12/24V DC circuit design and precision optics, the retrofit lamps provide outstanding visibility, safety, and durability – making them one of the most advanced 7" LED headlamps available. The tough die-cast aluminium housing is IP 67 sealed against water and dust ingress with a UV resistant, hard coated polycarbonate lens making the HELLA's 7" Round LED Headlamp range perfect for use on and off-road.



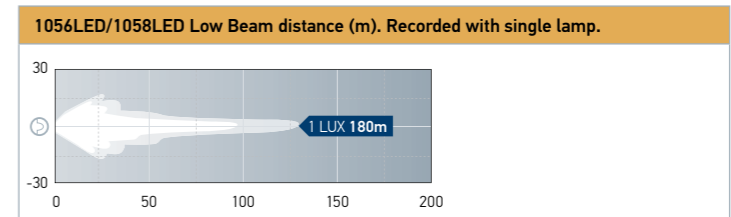
1058LED

Power Supply
MULTI VOLT

Certified
ECE
CERTIFIED

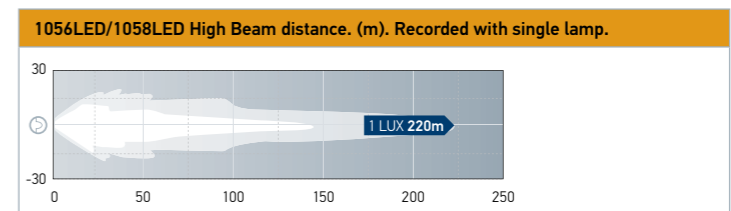
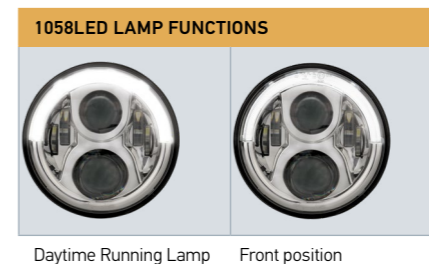
Compliance
ADR
COMPLIANCE

Mounting	Retrofit 178 Ø (7") headlamps	
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems	
Light Output	High Beam:	1150 lumen
	Low Beam:	750 lumen
Protection	Reverse polarity protection. IP 67 (Protection against dust and high-pressure water jets)	
Cable Length	Part No. 1058LED has 2 additional 100mm pre-wired cables with male blade terminals for front position and daytime running lamp functions.	
Housing Material	Die-cast Aluminium	
Lens Material	Coated polycarbonate	



1058LED		1L6 958 307-011		LOW AND HIGH BEAM + PO + DRL
Power Consumption	High Beam:	35W		
	Low Beam:	25W		
	Daytime Running Lamp:	15W (1058LED version only)		
	Front Position:	2W (1058LED version only)		
Cable Length	Part No. 1058LED has 2 additional 100mm pre-wired cables with male blade terminals for front position and daytime running lamp functions.			
Compliance	ECE R112/01 Ref. 12.5 R87/00 ADR 46/00, ADR 49/00, ADR 76/00	(E) 6081	ECE	

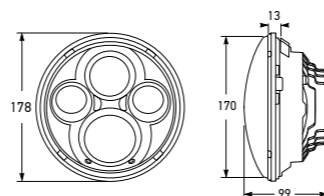
Other specifications as per Part No. 1056LED



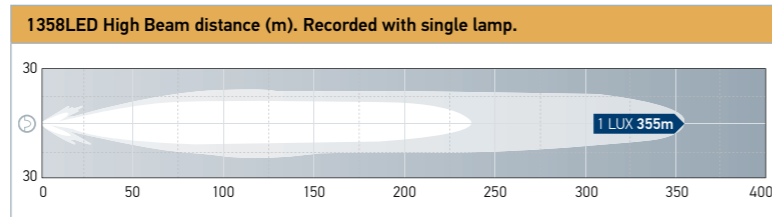
7" Round LED Headlamp High Beam

The 1358LED lamp features a high beam function with a massive 1440 lumen light output for only 60W. Combining the latest state of the art LED technology, multi-voltage 12/24V DC circuit design and precision optics, the retrofit lamps provide outstanding visibility, safety, and durability – making them one of the most advanced 7" LED headlamps available.

The tough die-cast aluminium housing is IP67 sealed against water and dust ingress with a UV resistant, hard coated polycarbonate lens making HELLA's 7" Round LED Headlamp perfect for use on and off-road.

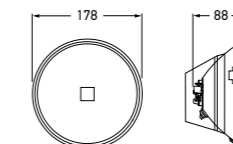


1358LED	1L6 958 307-021	HIGH BEAM
Mounting	Retrofit 178 Ø (7") headlamps	
Voltage	Multivolt™ for optimum brightness in 12 and 24 volt systems	
Power Consumption	60W	
Light Output	1440 lumen	
Operating Temperature	-40°C to 65°C	
Protection	Reverse polarity protection. IP 67 (Protection against dust and high pressure water jets)	
Cable Length	2 x 100mm cables with male blade terminals	
Housing Material	Die-cast Aluminium	
Lens Material	Coated polycarbonate	
Compliance	E11 7501 ECE R112/01 Ref. 30 ADR 46/00	

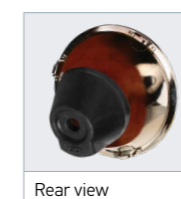


178mm H4 Halogen High/Low Beam Insert

Semi-sealed headlamp with sealing cap.



1056	1L6 002 395-843
Voltage	Globe to be ordered separately
Globes to Suit	Headlamp: 12V XD1260/55 24V XD2475/70
Compliance	ADR 46/00
Where front position lamp is required, use Part No. 1058.	

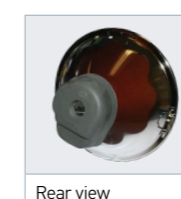


178mm H4 Halogen High/Low Beam Insert

Semi-sealed headlamp with front position lamp globe holder and sealing boot.



1L6 002 395-131	previously 1058
Voltage	Globes to be ordered separately
Globes to Suit	Headlamp: 12V XD1260/55 24V XD2475/70 Front position: HL124 HL244
Compliance	ADR 46/00 ADR 49/00

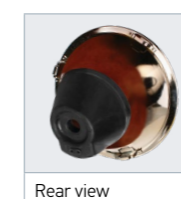


178mm H4 Halogen High/Low Beam Insert - Hardened Glass

High performance halogen headlamp insert fitted with extremely robust hardened glass lens providing maximum resistance when subjected to high operating temperatures and thermal shock. Ideal for 24V and high wattage globe applications. Supplied complete with sealing boot and front position lamp globe holder assembly.

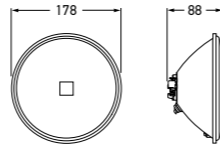


1L6 002 395-261	previously 1058HD
Voltage	Globes to be ordered separately
Globes to Suit	Headlamp: 12V XD1260/55 24V XD2475/70 Front position: HL124 HL244
Compliance	ADR 46/00 ADR 49/00



**178mm H3 Halogen Driving Lamp
Insert**

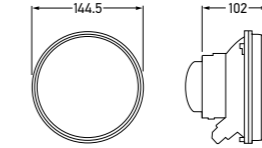
Suitable for use as high beam headlamp
in most 178mm round headlamp carriers.



9DS 113 469-001	previously 9.1358.01		
Voltage	Globe to be ordered separately		
Globes to Suit	12V	YC1255, YC12100	
	24V	YC2470, YC24100	
Compliance	ADR 46/00		
3rd Edition ADR compliance applies only to 55W (YC1255) and 70W (YC2470) globes. Globes to be ordered separately.			

**146mm H4 Halogen
High/Low Beam Insert**

Semi-sealed headlamp with front position lamp
globe holder and sealing boot. Suitable for dual
headlamp systems.



1055	1L3 002 850-062		
Voltage	Globes to be ordered separately		
Globes to Suit	Headlamp:	12V	24V
	Front position:	XD1260/55 HL124	XD2475/70 HL244
Compliance	ADR 46/00	ADR 49/00	



Rear view

Outer chrome rim (Part No. 1017) to suit
headlamp housing Part No. 1016.

1017	9AB 912.420-901	CHROME RIM
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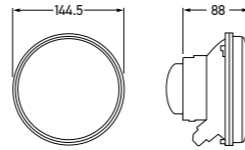
1017
Chrome Rim



**SEMI SEALED HEADLAMPS
- 5 3/4" ROUND**

**146mm H1 Halogen
High Beam Insert**

Semi-sealed headlamp, for high beam section of dual headlamp systems with sealing boot.



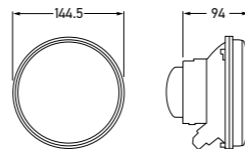
1053	1K3 114.155-911		
Voltage	Globes to be ordered separately		
Globes to Suit	Headlamp:	12V C1255	24V C2470
Compliance	ADR 46/00		
Earth terminal is a 'Post' (bullet) type connection.			



Rear view

**146mm H1 Halogen
Long Range Driving Insert**

Semi-sealed headlamp, for high beam section of dual headlamp systems with sealing boot.



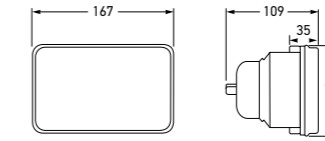
1040	1K3 002 425-191		
Voltage	Globes to be ordered separately		
Globes to Suit	Headlamp:	12V C1255, C12100	24V C2470, C24100



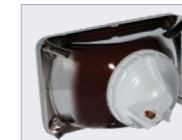
Rear view

**165 x 100mm H1 Halogen
High Beam Insert**

Semi-sealed Headlamp with sealing cap.



1KB 003 177-061	previously 1041		
Voltage	Globes to be ordered separately		
Globes to Suit	Headlamp:	12V C1255	24V C2470
Compliance	ADR 46/00		



Rear view

**165 x 100mm H4 Halogen
High/Low Beam Insert**

Semi-sealed Headlamp with sealing boot and wiring adaptor.



1LB 003 177-301	previously 1042		
Voltage	Globes to be ordered separately		
Globes to Suit	Headlamp:	12V XD1260/55	24V XD2475/70
Compliance	ADR 46/00		



Rear view

**165 x 100mm H4 Halogen
High/Low Beam Insert**

Semi-sealed Headlamp and front position lamp with sealing boot.



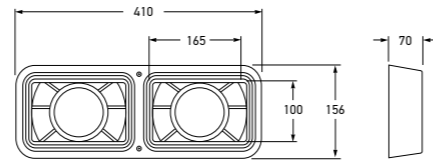
1LB 003 177-511	previously 1044		
Voltage	Globes to be ordered separately		
Globes to Suit	Headlamp:	12V XD1260/55	24V XD2475/70
	Front position:	HL124	HL244
Compliance	ADR 46/00	ADR 49/00	



Rear view

Twin Rectangular Headlamp Housing

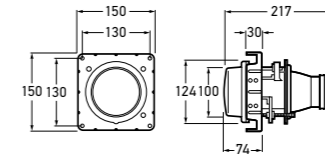
For most 165 x 100mm Rectangular Headlamp Units. Chrome plated outer rim. Complete with adjusting mechanisms for vertical/horizontal alignment and wiring loom. Ideal for truck, bus or body builders.



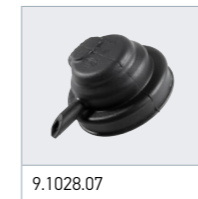
1025	1VB 950 951-001
Spare Part	9.1025.07 Chrome Plated Outer Rim

DE H1 Low Beam Headlamp Assembly

Compact DE H1 Low Beam Headlamp Assembly with 100mm light aperture. Supplied with protective rubber sealing cap.



1028	1BL 007.834-921
Voltage	Globes to be ordered separately.
Globes to Suit	12V C1255 24V C2470
Spare Part	9.1028.07 Rubber Protective Cap
Compliance	ADR 46/00



9.1028.07

200 x 142mm H4 Halogen High/Low Beam Insert

Semi-sealed headlamp with front position lamp globe holder.



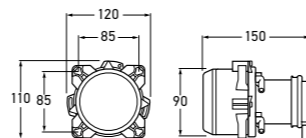
1LE 003 427-041	previously 1043
Voltage	Globes to be ordered separately
Globes to Suit	12V XD1260/55 24V XD2475/70
	Headlamp: HL124 HL244
Compliance	ADR 46/00 ADR 49/00



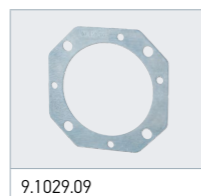
Rear view

DE H7 Low Beam Headlamp Assembly

Compact DE H7 Low Beam Headlamp Assembly with 90mm light aperture. Supplied with protective rubber sealing cap.

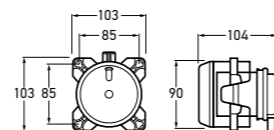


1029-12V	1BL 008.193-941		12 VOLT
Globes to Suit	12V 24V	CA1255 (Included) CA2470	
Spare Parts	9.1029.09	Supporting Frame	
Compliance	ADR 46/00		

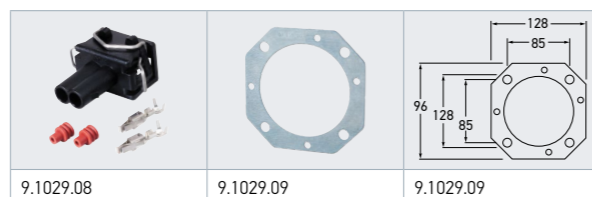


FF H7 Main Beam Headlamp Assembly with Position Lamp

Compact FF H7 Main (High) Beam Headlamp Assembly with 90mm light aperture and inbuilt position lamp. Supplied with protective rubber sealing cap and position lamp connector set.

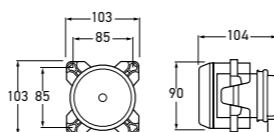


1030-12V	1K0 008.191-001		12 VOLT
1030-24V	1K0 008.191-961		24 VOLT
Globes to Suit	12V Headlamp: Front position:	24V CA1255 CA2470 (Included) HL124 HL244 (Included)	
Spare Parts	9.1029.08 9.1029.09	Position lamp connector set Supporting Frame	
Compliance	ADR 46/00	ADR 49/00	

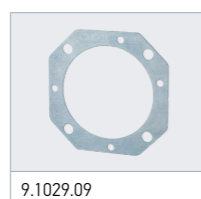


FF H7 Main Beam Headlamp Assembly

Compact FF H7 Main Beam Headlamp Assembly with 90mm light aperture. Supplied with protective rubber sealing cap.



1031-24V	1K0 008.191-941		24 VOLT
Globes to Suit	12V 24V	CA1255 CA2470 (Included)	
Spare Parts	9.1029.09	Supporting Frame	
Compliance	ADR 46/00		



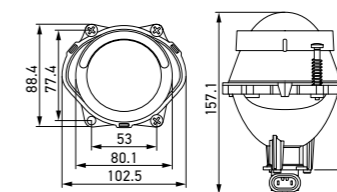
60mm Universal Halogen Headlamp Modules

These headlamp modules were developed for maximum lighting performance with a specified size. In addition, a solution for practice-oriented installation was important. A non-patterned lens is utilised for the high and low beam. An HB3 (output 60 W) is used as a light source for both high and low beam.

The module comprises a glass lens, lens retaining ring (black plastic), spacer ring (black plastic) and a die-cast aluminium reflector with 4 mounting brackets.

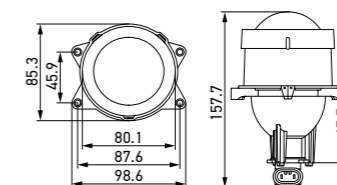
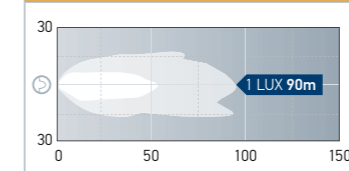


1TL 998 570-641



1TL 998 570-641	LOW BEAM (MOTORCYCLE/POWERSPORTS ONLY)
Voltage	12V
Globes to Suit	12V: HB3 60W (HB3-LLDP2)
Weight	374 g
Lens Material	Glass
Compliance	ECE R113 D (E4) 0237

Module 60 Halogen Low Beam



1KL 998 570-621	HIGH BEAM
Voltage	12V
Power Consumption	60W
Globes to Suit	12V: HB3 60W (HB3-LLDP2)
Weight	374 g
Lens Material	Glass
Compliance	ECE R112/01 Ref.10 (E4) 24910



1KL 998 570-621

Contents

Fog and Driving Lamps

LED Driving Lamps.....	104-109
Halogen Driving and Fog Lamps	110-114
LED Light Bars.....	116-126

Fog and Driving Lamps

Whether in the urban jungle, the early morning mist of a country road, Autumn fog or off-road, superior lighting performance significantly enhances your driving safety.



Antares Driving Lamp Kit (Pair)

Stand out from the crowd with the all new HELLA Antares LED Driving lights. Named after the radiant Antares star, these driving lights are engineered to illuminate the darkest roads, ensuring your journey is safe and spectacular. Co-designed in Australia for Australian roads, the Antares is sure to meet all your needs and more.

SAFETY & VISIBILITY DAY & NIGHT

- Daytime Running Lamps provide visibility during daylight to alert oncoming traffic
- Unique look position lamps increase visibility in urban environments

TOUGH DRL INTEGRATED COVERS

- Provides stylish protection against sand, dust, mud and bugs.
- Includes distinctive Antares edgelight design

COVER DETECTION

- Switches off main beam when cover applied for greater operating efficiency

SELECTABLE OUTPUT MODES (9 INCH ONLY)

- Easily adjust between high and low output for optimal driver comfort

DIECAST ALUMINUM HOUSING & BRACKET

- Durable, lightweight and corrosion resistant
- Mounting holes for maximum stability

COMPOSITE LIGHTING DESIGN

- Projector spot beams for exceptional distance
- Diamond glow position lamp with unique umbrella reflector technology
- Wide beam 10W LED clusters for even wider light dispersal

PLUG & PLAY WIRING HARNESS

- With H4 & HB3 adaptors for easy DIY install

TOUGH CONSTRUCTION

- IP69K dust & waterproof, suits harsh Australian conditions
- Hard-coated UV stable polycarbonate lens



ACTIVE THERMAL MANAGEMENT



ELECTROMAGNETIC COMPATIBILITY



POLARITY REVERSAL PROTECTION



OVERVOLTAGE PROTECTION



MATERIAL OF THE HOUSING: ALUMINIUM



MATERIAL OF THE LENS: PC (POLYCARBONATE)



MATERIAL OF THE BRACKET: ALUMINIUM



ANTI-UV HARD COATING



UPRIGHT MOUNT



VIBRATION RESISTANT



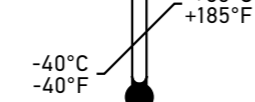
WATER RESISTANT



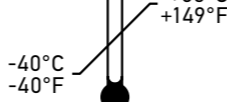
HIGH-QUALITY MATERIAL



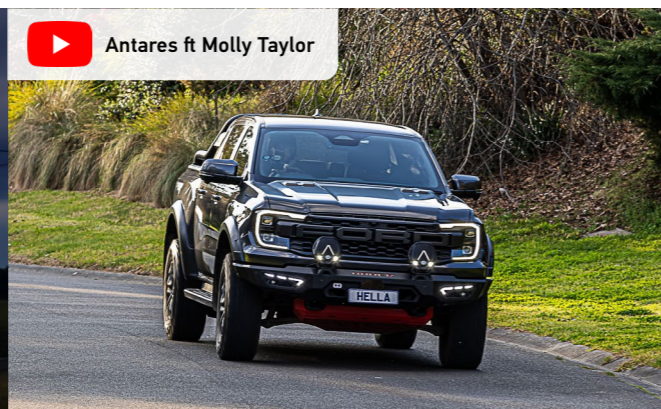
500 mm WIRING HARNESS



STORAGE TEMPERATURE



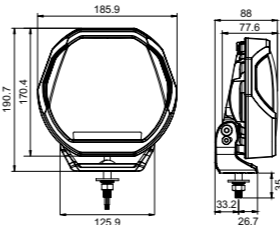
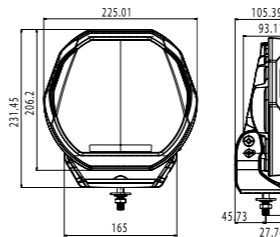
AMBIENT TEMPERATURE



Antares LED Driving Lights 7 & 9 inch kits

Antares 9 inch offers high and low output modes, for the perfect balance of intense long-range illumination and reduced glare for on-road driving.

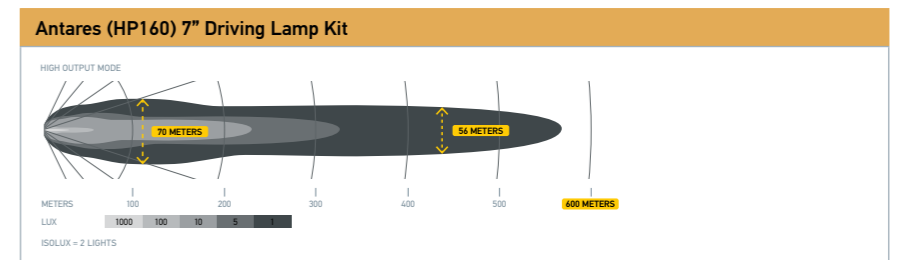
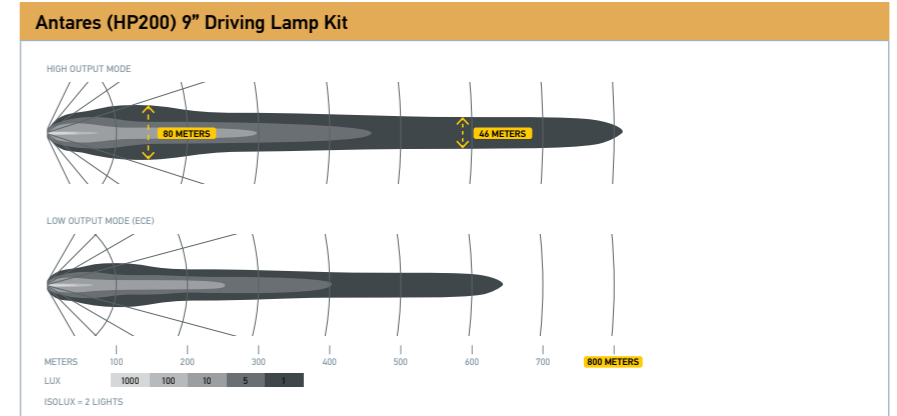
For a more compact size, the 7 inch delivers outstanding visibility without compromising on clarity or style.



1F0 358 228-871	Antares 9" HP200 Driving Lamp Kit (Pair)
1F7 358 228-861	Antares 7" HP160 Driving Lamp Kit (Pair)

	Antares (HP200) 9" Driving Lamp Kit		Antares (HP160) 7" Driving Lamp Kit	
Light function	High, Dim (ECE), Daytime running light, and position light		High, Daytime running light, and position light	
Lumen	8,500 Actual, 18,000 Raw		7,400 Actual, 13,000 Raw	
Operating Voltage	Multi-voltage (10 – 30 V)			
Voltage	12V	24V	12V	24V
Current consumption	High Output: 14.1A Low Output: 11.4A Daytime running light: 1.18A Position light: 0.36A	High Output: 6.1A Low Output: 5.5A Daytime running light: 0.57A Position light: 0.13A	High Output: 9.64A Daytime running light: 0.56A Position light: 0.16A	High Output: 4.03A Daytime running light: 0.3A Position light: 0.11A
Power consumption	High Output: 215W Low Output: 175W Daytime running light: 18W Position light: 6W	High Output: 200W Low Output: 175W Daytime running light: 18W Position light: 4W	High Output: 160W Daytime running light: 8W Position light: 3W	High Output: 127W Daytime running light: 8W Position light: 3W
Light source	LED (5700K)			
Material	Housing: Aluminium Lens: Polycarbonate (Hard-coated UV stable)			
Weight	2200 g (base weight)		1570 g (base weight)	
Operating Temperature	-40 °C to +65 °C			
Protection class	IP 69K, IP 67			
Connection	DEUTSCH-connector: 2 pin + 3pin		DEUTSCH-connector: 4pin	
Type Approval	ADR 49/00, 46/00, 76/00 ECE R148 (R7), R149 (R112), R87		ADR 49/00, 76/00 ECE R148 (R7), R87	
EMC protection	ECE-R10, CISPR 25 Class 3			
For 24V applications	Relay and Switch to be supplied separately			

Kit Includes
 2x LED spotlight with mounting hardware
 2x LED spotlight covers
 2x adaptor (H4 & HB3)
 1x wiring harness
 1x mounting instructions

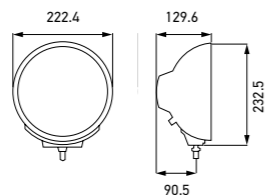


Rallye 4000 LED Driving Lamp

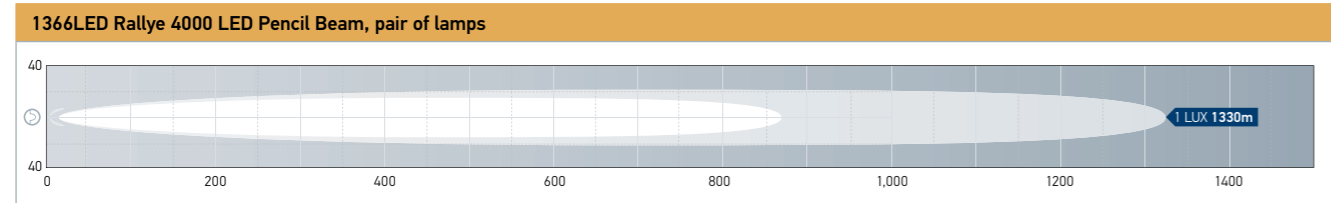
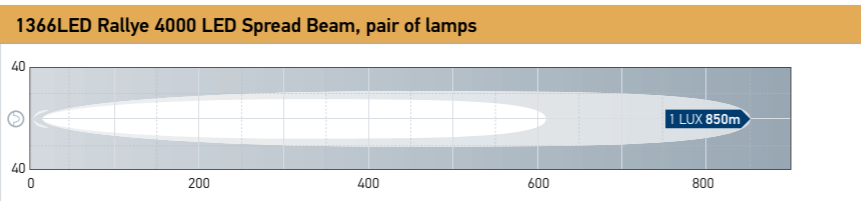
The Rallye 4000 LED Driving Lamp combines performance and durability. Available with Pencil Beam or Spread Beam light distribution, the high efficacy from the latest LED technology provides almost 1.3km of clear white (5900K) light from the Pencil Beam version with a low power consumption of just 33W.

LED technology combined with the durable design of the Rallye 4000 LED, which features a high-quality, full metal housing and zinc plated die-cast mounting bracket, allows for long service life, backed by a 3 year warranty.

A replaceable LED-insert with polycarbonate lens is available.



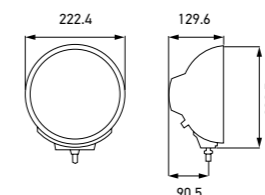
1366LED	1F8 016 560-101	☞	SPREAD BEAM
1365LED	1F8 016 560-111	☞	PENCIL BEAM
Mounting	High-quality, robust full metal housing and zinc plated die-cast mounting bracket		
Voltage	Multi-voltage: suitable for 12V DC and 24V DC electrical supplies		
Power Consumption	2700 mA / 32.4 W at 12V DC 1350 mA / 32.4 W at 24V DC		
Weight	2.7kg		
Connection	Supplied with 400 mm long removable connection lead		
Light Source	Clear white (5900K) LED light		
Protection	Ingress protection rating: IP X9K, IP 6K7		
Compliance			



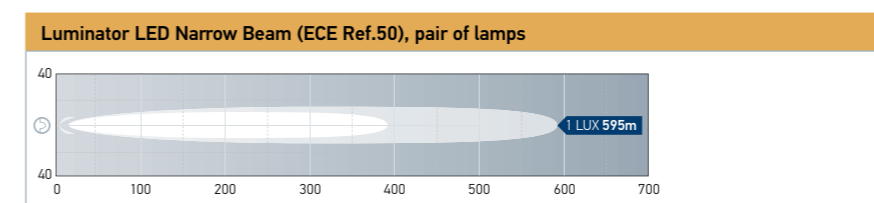
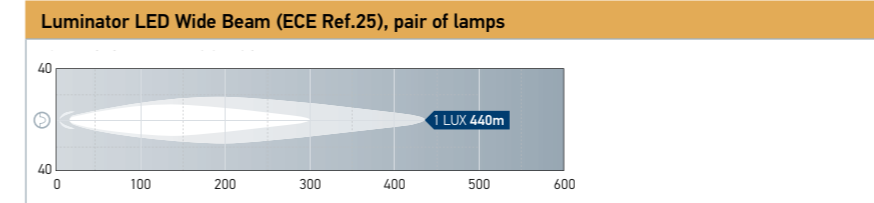
Luminator 3.0 LED Driving Lamp

The revolutionary Luminator LED Driving Lamp now features a distinctive position lamp function made possible by HELLA's innovative Edge Light technology. Utilising the Rallye 4000 metal body, which has proven itself on rally cars and heavy machinery, these lamps are sturdy and reliable. With efficient low power consumption as well as high efficacy from the latest technology allowing up to nearly 600m of light for only 2x15W of power.

A replaceable LED headlamp insert with shock-resistant polycarbonate lens is also available.



1F8 016 560-001	Satin Black (ECE Ref. 25)	☞	WIDE BEAM
1F8 016 560-011	Satin Black (ECE Ref. 50)	☞	NARROW BEAM
1F8 016 560-021	Chrome (ECE Ref. 25)	☞	WIDE BEAM
1F8 016 560-031	Chrome (ECE Ref. 50)	☞	NARROW BEAM
Mounting	High-quality, robust full metal housing and zinc plated die-cast mounting bracket		
Voltage	Multi-voltage: suitable for 12V and 24V electrical supplies		
Power Consumption	2.4 W position light and 14.5 W high beam at 12V DC 5 W position light and 14.5 W high beam at 24V DC		
Weight	2.7kg		
Connection	Supplied with 2200 mm 'flying lead' connection		
Light Source	Clear white (5900K) LED light		
Protection	Ingress protection rating: IP X9K, IP 6K7		
Compliance			
	1F8 016 560-001/021		
	1F8 016 560-011/031		



Accessories



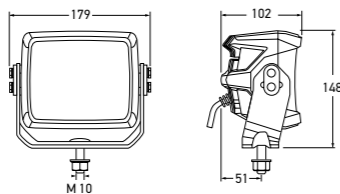
8XS 147 945-001	previously 8125	PROTECTIVE COVER
8126	9HG 148 995-001	PROTECTIVE GRILLE
8141	9HD 905 445-001	CLEAR PROTECTIVE COVER

RokLUME 380 N LED Driving Lamp 12V DC

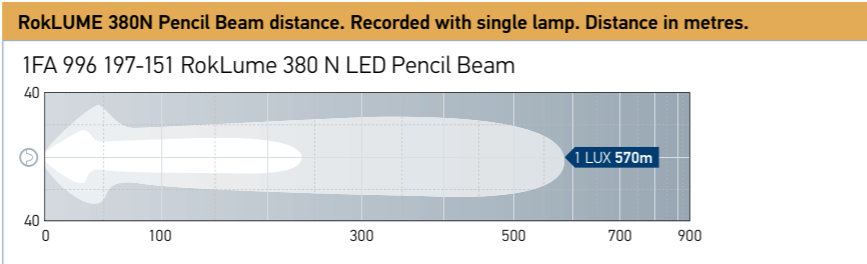
The RokLUME 380 N LED Driving Lamp (ECE Ref. 40) is an extremely durable wide spot light for road illumination.

Using LED technology combined with state-of-the-art electronics, it provides a light output of up to **7800 lumens** with a colour temperature of **5000K**, yet power consumption is a highly efficient 84 W.

Originally developed to perform in the toughest operating environments such as mining, the RokLUME 380 N has a premium aluminium housing with NanoSafe coating (providing a non-stick and easy to clean surface), high-impact hard coated polycarbonate lens and heavy duty stainless steel surrounding bracket.

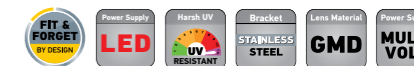
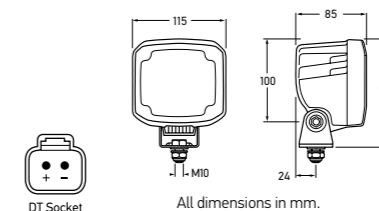


1FA 996 197-151 - Pencil Beam, 12V DC (ECE Ref. 40)		ADR
1FA 996 197-181 - Pencil Beam, 24V DC (ECE Ref. 40)		ADR
Mounting	Upright or Pendant. Heavy Duty bracket resists vibration.	
Power Consumption	Max. 84W (Reduces if Thermal Management is in effect)	
Max. Light Output	7800 lumens	
Colour Temperature	5000K	
Temperature Range	-40°C to +90°C	
Protection	Reverse polarity protection. Transient spike circuit protection. IP 6K8 (Protection against dust and temporary water immersion) IP 6K9K / IP6K8 (Protection against dust and high-pressure/steam jet cleaning)	
Housing	Aluminium	
Lens Material	Hard-coated PC (Optional 2.0 metre DT Pigtail Loom to be ordered separately)	
Cable Length	300mm Cable with DT Socket	
Compliance	E1 CE CISPR 25 Class 5 Ref. 40	
Accessory	8KB 990 299-011 DT Pigtail Loom, 2 metres	

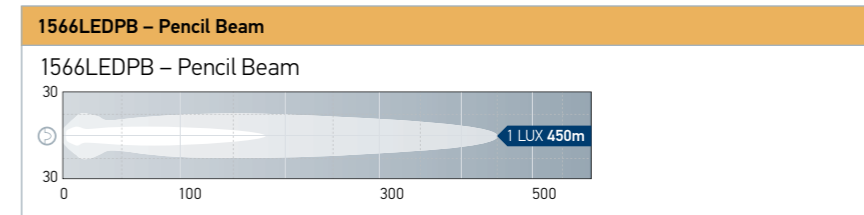


Ultra Beam LED Gen II Driving Lamp 9-33V DC

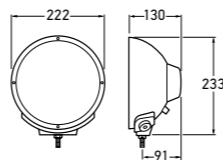
The popular Ultra Beam LED II series has now been expanded to include a Pencil Beam version. The light output is a powerful **4000 lumens** with a colour temperature of **6500K**. The light is distributed by a specially developed multi-faceted reflector and nylon (PA12) lens, thus ensuring homogeneous illumination. The integrated electronics protect the device in the event of polarity inversion and guarantee constant brightness, even when operating with voltage fluctuations between 9 and 33 Volts DC.



1566LEDPB	1GA 995 606-021 – Ultra Beam LED Gen II Driving Lamp 12/24V DC	PENCIL BEAM
Mounting	Upright or Pendant	
Voltage	Multivolt 9-33V DC	
Power Consumption	56W	
Max. Light Output	4000 lumens	
Colour Temperature	6500K	
Temperature Range	-40°C to +50°C	
Protection	IP6K9K and IP6K8, reverse polarity protection, surge protection, overheating protection.	
Cable Length	Integrated DT Socket. (Optional 2.0 metre DT Pigtail Loom to be ordered separately)	
Housing	Aluminium	
Lens Material	Nylon (PA12)	
Compliance	E1 CE	
Spare Part	8KB 990 299-011 DT Pigtail Loom, 2 metres	



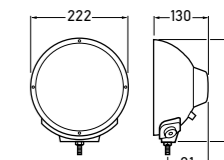
Rallye FF 4000 Series



1F8 007 560-121	previously 1365 – 100W Driving Lamp - 12V		PENCIL BEAM
1F8 007 560-101	previously 1366 – 100W Driving Lamp - 12V		SPREAD BEAM
Mounting	Upright		
Voltage	12V (globe included)		
Power Consumption	100W		
Globes to Suit	12V H1 (C12100) 24V H1 (C24100)		
Spare Parts	1F8 148 114-011 1F8 148 112-011 9.1365.05 9.1365.06	Pencil Beam insert Spread Beam insert Male and Female Socket Connector Set M8 Screw Set	
Accessories	8125 8126 8141	Protective Cover ¹ Protective Grille ² Clear Protective Cover ³	

Rallye FF 4000 Series

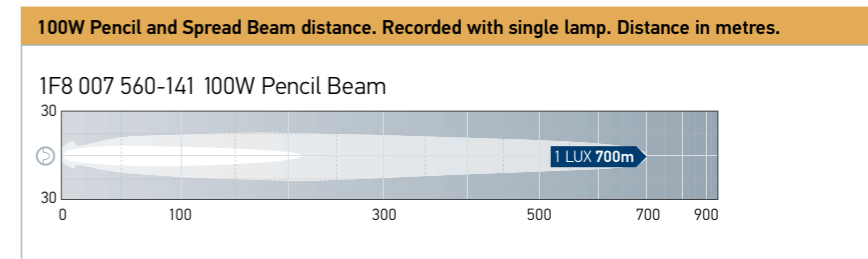
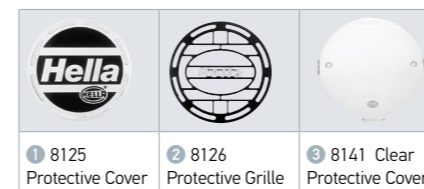
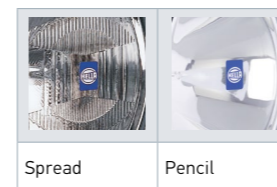
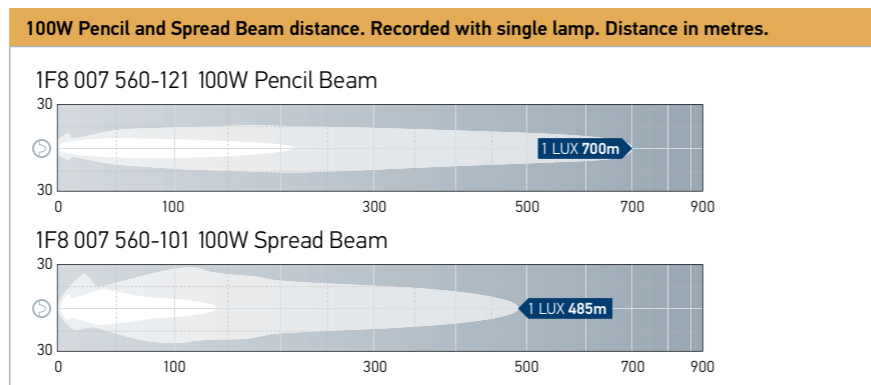
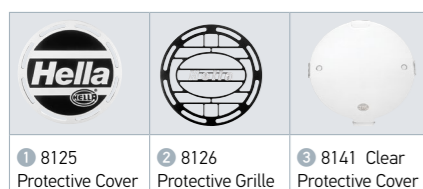
High-performance Driving Lamp with weatherproof chrome-plated metal housing and bracket. Suitable for extreme off-road environments. Supplied with Allen Keys and Protective Cover, Part No. 8125.



1F8 007 560-141	previously 1365CHROME – 100W Chrome Driving Lamp - 12V		PENCIL BEAM
Mounting	Upright		
Voltage	12V (globe included)		
Power Consumption	100W		
Globes to Suit	12V H1 (C12100) 24V H1 (C24100)		
Spare Parts	1F8 148 114-011 1F8 148 112-011 9.1365.05 9.1365.06	Pencil Beam insert Spread Beam insert Male and Female Socket Connector Set M8 Screw Set	
Accessories	8125 8126 8141	Protective Cover ¹ Protective Grille ² Clear Protective Cover ³	

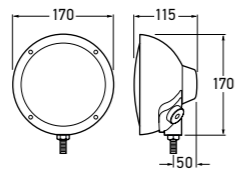
FOG AND DRIVING

FOG AND DRIVING

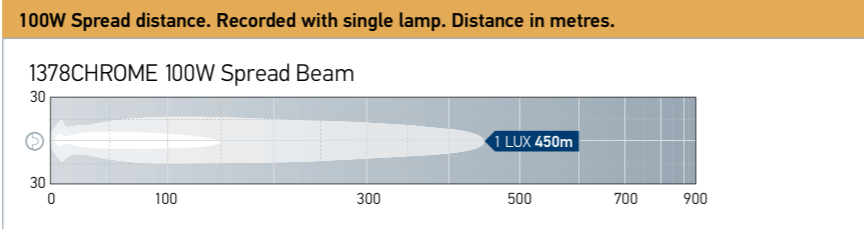


Rallye FF 4000 Compact Series

Compact Driving Lamps featuring modern clear glass lens, newly developed high-boost free-form (FF) reflector, weatherproof chrome-plated metal housing and bracket. Suitable for heavy duty applications.

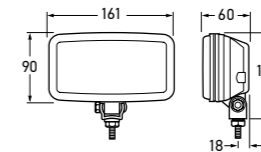


1378CHROME	1F3 009 094-031 100W Compact Chrome Driving Lamp 12V	ADR	SPREAD BEAM
Mounting	Upright		
Voltage	12V (globe included)		
Power Consumption	100W		
Globes to Suit	12V H1 (C12100, C1255) 24V H1 (C24100, C2470)		
Note	3rd Edition ADR compliance applies only to 55W (C1255) and 70W (C2470) globes.		
Spare Parts	9.1365.06	M8 Screw Set	

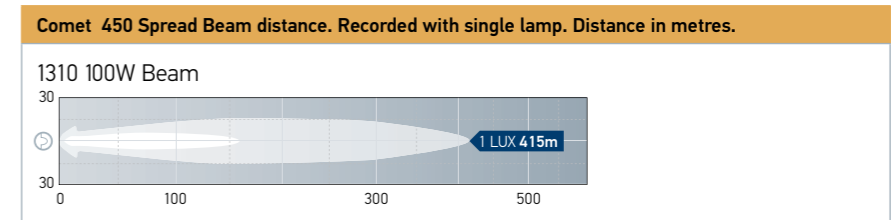


Comet 450 Series

Supplied with Protective Cover, Part No. 8123. Kit includes 2 x lamps, 2 x Protective Covers and all parts required for installation.

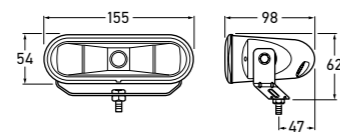


1FB 005 860-231	previously 1310 – Driving Lamp - 12V	ADR	SPREAD BEAM
1110	1NB 005 860-001 – Fog Lamp - White Optic - 12V	ADR	FOG BEAM
Mounting	Upright and Pendant		
Voltage	12V (globe included)		
Power Consumption	55W		
Globes to Suit	Driving 12V H3 (YC12100, YC1255) 24V H3 (YC24100, YC2470) Fog 12V H3 (YC1255) 24V H3 (YC2470)		
Note	3rd Edition ADR compliance applies only to 55W (C1255) and 70W (C2470) globes		
Spare Parts	9.1310.01 9.1310.09	Driving Lamp insert with globe holder Body Assembly	
Accessories	8123 Protective Cover ① 8136 Clear Protective Cover ②		

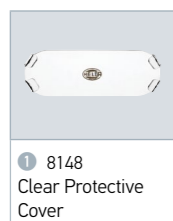


Comet FF 75 Series

Compact Driving and Fog Lamps featuring modern clear lens design and free-form (FF) reflector. Kit includes 2 x lamps and all parts required for installation.

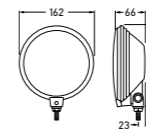


1NA 008 284-001	previously 1123 – Fog Lamp - White Optic - 12V	ADR
5616	1NA 008 284-802 – Fog Lamp Kit- White Optic - 12V	ADR
Mounting	Upright or Pendant	
Voltage	12V (globe included)	
Power Consumption	55W	
Globes to Suit	12V H7 (CA1255) 24V H7 (CA2470)	
Accessory	8148 Clear Protective Cover ①	

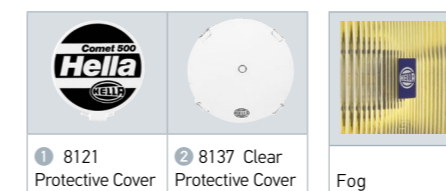
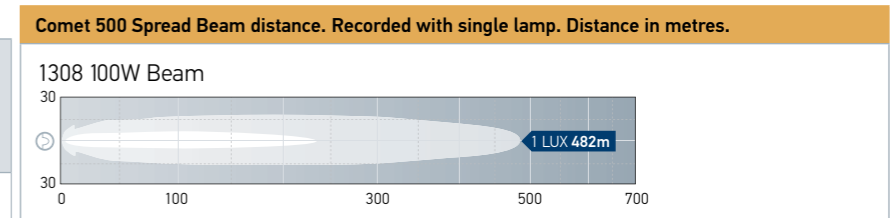


Comet 500 Series

Supplied with Protective Cover, Part No. 8121. Kit includes 2 x lamps, 2 x Protective Covers and all parts required for installation.

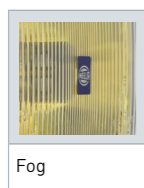
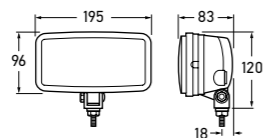


1308	1F4 005 750-301 – Driving Lamp - 12V	ADR	SPREAD BEAM
5642/100	1F4 005 750-111 – 100W Driving Lamp - 12V	ADR	SPREAD BEAM
1N4 005 750-641	previously 1108 – Fog Lamp - Amber Optic - 12V	ADR	FOG BEAM
5641	1N4 005 750-042 – Fog Lamp Kit - Amber Optic - 12V	ADR	FOG BEAM
Mounting	Upright and Pendant		
Voltage	12V (globe included)		
Power Consumption	55W		
Globes to Suit	Driving 12V H3 (YC1255) 24V H3 (YC2470) Fog 12V H3 (YC1255) 24V H3 (YC2470)		
Note	3rd Edition ADR compliance applies only to 55W (C1255) and 70W (C2470) globes		
Spare Parts	9.1308.09	Body Assembly	
Accessories	8121 Protective Cover ① 8137 Clear Protective Cover ②		

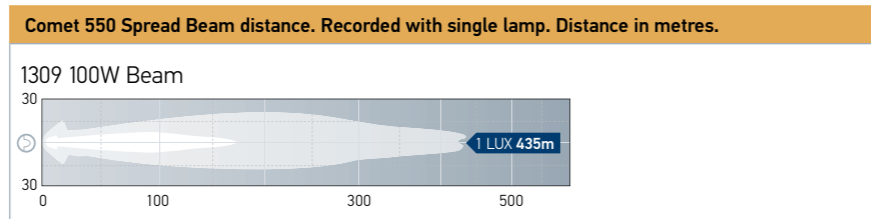


Comet 550 Series

Supplied with Protective Cover, Part No. 8122. Kit includes 2 x lamps, 2 x Protective Covers and all parts required for installation.



1309	1FD 005.700-861 – Driving Lamp - 12V	ADR	SPREAD BEAM
5644/100	1FD 005.700-961 – 100W Driving Lamp - 12V	ADR	SPREAD BEAM
Mounting	Upright and Pendant		
Voltage	12V (globe included)		
Power Consumption	55W		
Globes to Suit	Driving 12V H3 (YC12100, YC1255) 24V H3 (YC24100, YC2470) Fog 12V H3 (YC1255) 24V H3 (YC2470)		
Note	3rd Edition ADR compliance applies only to 55W (C1255) and 70W (C2470) globes		
Spare Parts	9.1309.01 Driving Lamp Insert 9.1109.01 Fog Lamp Insert (amber)		
Accessories	8122 Protective Cover ① 8138 Clear Protective Cover ②		



Wiring Harnesses

Universal Driving Lamp Wiring Kit

Complete Quick-Fit Wiring Harness for Driving Lamps, easy to install with no modification necessary to existing vehicle wiring. Supplied with detailed instructions.



Actual product may vary slightly from representative image

5223	8KB 905 401-001 – Universal Driving Lamp Wiring Kit - Pre-wired - 12V DC
Content	1 x H4 Headlamp adaptor plug 1 x Heavy-duty 5mm battery supply to relay with 4mm power supply and chassis earth to both lamps 1 x Inline fuse holder with 20A Blade fuse 1 x Duckbill switch and connectors 1 x Diode protected 40A relay in heavy-duty connector





Black Magic Light Bars

Designed for both on- and off-road adventures, the HELLA Black Magic Series offers 25 distinctive variants to suit any driving condition. With a bold, all-black aesthetic, these light bars deliver striking looks alongside exceptional performance.

Packed with up to 80 LEDs and delivering a powerful light output of up to 20,000 lumens, visibility is never a concern. Available in a variety of lengths, the range includes "Slim," "Double Row," and curved models.

Engineered for extreme durability, the HELLA Black Magic Light Bars offer top-tier dust and water resistance and are built to withstand harsh Australian conditions – no matter the terrain.

Experience lighting freedom like never before – on or off the road.

[www.](#) Click to learn more

High Level Light Output
Up to 20,000 effective lumens

Versatile mounting

- Upright/pendant
- Fully adjustable slide brackets also available

Integrated Thermal Management
Thermal Management = high output
Long Lasting LED performance

Black out appearance
Unique design creates black out appearance without effecting performance



Tough Construction

- Tough design and fully sealed, protects against sand, dust and water!
- Suits harsh Australian conditions
- Tested to the exacting Hella Germany Rallye standard

Impact Resistant PC Lens

- UV stabilised to protect against sun damage
- Tested against high vibration resistance

APPLICATION GUIDE

Range	Light Output	Application
Black Magic Original Single	Spot (Semi-Focused) beam Middle to Long range light with no short range	With the sleek look and mid range light output, this is a great option for better distance visibility in extra urban areas.
Black Magic Original Double	Wide (Flood) beam Lots of light intensity in the Short to Mid range	With the sleek look and mid range light output, this is a great option for better overall visibility in extra urban mountain or costal areas.
Black Magic Tough Single	Pencil (Fully Focused) beam All light focused to give maximum distance with no short range	Great for rural areas where distance and toughness count the most and slim and compact design and aesthetic.
Black Magic Tough Double Straight	Combination (Pencil + Flood Driving) beam With lumens to spare, this range give a similar distance to the Tough Single, plus plenty of light spread for short to medium range flood	When light output really matters, this Tough combination of distance and Flood gives you the most confidence on or off road. (4x4 touring, Off-road, heavy commercial, long haul driving applications)
Black Magic Tough Double Curved	Wide Combination (Spread + Flood Driving) beam Same as Tough Double Straight, but emphasis on giving light penetration at distance off to the sides. Foregoing some distance	Like the Tough Straight, this combination beam with wider output helps you see the next turn, or Australia's unique wildlife sooner and safer. Better follows the roof line of the windscreen giving a more even gap and unique aesthetic.

Black Magic - Original Series

Operating Voltage	Multi-voltage (10 – 30 V)
Light source	LED
Material	Housing: Aluminium Lens: Polycarbonat (Hard-coated UV stable)
Operating Temperature	-40 °C to + 65 °C
Protection class	IP 69K, IP 68
EMC protection	ECE-R10
Mounting	Upright/pendant

Product no.	Size	Shape	Lumen	Lumen eff.	Distance 1Lux	LED	Gross Weight g	Net Weight g	Voltage	Ampere (A)	Voltage	Ampere (A)	Max Watt + 10%	Wiring
1FA 358 176-811	LED Cube KIT 3.2' (Flood) KIT	Cube		3,000	80m	4	1774	1554	12	3.4	24	1.6	40	Set includes 500mm wire harness with DT connector, switch and relays.
1FA 358 176-821	LED Cube KIT 3.2' (Spot) KIT	Cube		3,000	330m	4	1774	1554	12	3.4	24	1.6	40	Set includes 500mm wire harness with DT connector, switch and relays.
1FA 358 176-831	LED Cube KIT 3.2' (Flood, Flush) KIT	Cube		3,000	80m	4	1810	1550	12	3.4	24	1.6	40	Set includes 500mm wire harness with DT connector, switch and relays.
1FJ 358 176-301	20" Slim Lightbar	Slim	8820	6,000	560m	21	1600	1400	12	5.7 - 8.0	24	2.8 - 3.9	105	2000mm, open end cable
1FJ 358 176-311	32" Slim Lightbar	Slim	13860	9,000	580m	33	2632	1780	12	8.9 - 12.5	24	4.2 - 6.1	165	2000mm, open end cable
1FJ 358 176-321	40" Slim Lightbar	Slim	17640	12,000	600m	42	2700	2400	12	10.1 - 14.9	24	4.9 - 7.8	210	2000mm, open end cable
1FJ 358 176-331	50" Slim Lightbar	Slim	22680	15,000	560m	54	3350	3000	12	11.8 - 19.2	24	5.6 - 10.1	270	2000mm, open end cable
1FJ 358 176-401	21.5" Double Lightbar	Double	16800	11,000	430m	40	2740	2420	12	6.7 - 14.6	24	3.5 - 7.2	200	2000mm, open end cable
1FB 358 176-201	LED Mini Lightbar 6.2" Flood	Mini		1,600	80m	6	520	470	12	2.6	24	1.3	30	800mm, open end cable
1FB 358 176-211	LED Mini Lightbar 6.2" Spot	Mini		1,600	410m	6	520	470	12	2.6	24	1.3	30	800mm, open end cable
1FB 358 176-221	LED Mini Lightbar 6.2" Flood Flush	Mini		1,600	80m	6	602	505	12	2.6	24	1.3	30	800mm, open end cable
8HG 358 176-341	Brackets Black Magic slim row. 2 pieces	Slim					149	137						



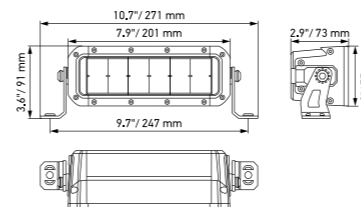
Black Magic - Tough Series

Operating Voltage	Multi-voltage (10 – 30 V)
Light source	LED
Material	Housing: Aluminium Lens: Polycarbonat (Hard-coated UV stable)
Operating Temperature	-40 °C to + 65 °C
Protection class	IP 69K, IP 68
EMC protection	ECE-R10
Mounting	Upright/pendant

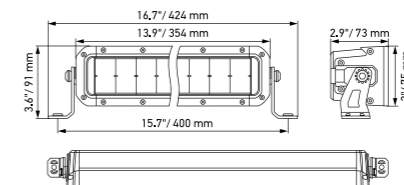
Product no.	Size	Shape	Lumen	Lumen eff.	Distance 1Lux	LED	Gross Weight g	Net Weight g	Voltage	Ampere (A)	Voltage	Ampere (A)	Max Watt + 10%	Wiring
1FJ 358 196-451	7" MINI LIGHTBAR	"Double Straight"	5,040	2,100	500m	12	2,100	1,700	12	1.97	24	1.04	28	2000mm, open end cable
1FJ 358 196-461	13" MINI LIGHTBAR	"Double Straight"	10,080	3,800	560m	24	2,650	2,150	12	4.01	24	2.05	55	2000mm, open end cable
1GJ 358 197-301	20" SLIM LIGHTBAR	"Slim Straight"	8820	6000	610m	21	3,000	2,450	12	5.68-7.73	24	2.77-3.59	107	2000mm, open end cable
1GJ 358 197-311	32" SLIM LIGHTBAR	"Slim Straight"	13860	9000	770m	33	3,900	3,300	12	8.28-12.7	24	4.22-5.78	184	2000mm, open end cable
1GJ 358 197-321	40" SLIM LIGHTBAR	"Slim Straight"	17640	12000	830m	42	4,750	4,000	12	10.73-16.51	24	5.13-7.32	239	2000mm, open end cable
1GJ 358 197-331	50" SLIM LIGHTBAR	"Slim Straight"	22680	15000	920m	54	6,600	5,800	12	13.63-18.46	24	6.61-9.59	277	2000mm, open end cable
1GJ 358 197-401	21.5" DOUBLE ROW LIGHTBAR	"Double Straight"	16800	11000	750m	40	3,800	3,200	12	8.14-14.85	24	4.2-7.4	215	2000mm, open end cable
1GJ 358 197-411	30" DOUBLE ROW LIGHTBAR	"Double Straight"	25200	13500	850m	60	5,250	4,500	12	11.87-19.19	24	6.45-10.73	310	2000mm, open end cable
1GJ 358 197-421	40" DOUBLE ROW LIGHTBAR	"Double Straight"	33600	16000	990m	80	6,300	5,500	12	14.83-26.43	24	7.94-15.23	439	2000mm, open end cable
1GJ 358 197-441	52" DOUBLE ROW LIGHTBAR	"Double Straight"	42000	20000	1100m	100	7,670	6,700	12	18.25-27.17	24	9.59-18.48	546	2000mm, open end cable
1GJ 358 197-601	21.5" DOUBLE ROW CURVED LIGHTBAR	"Double Curved"	16800	11000	550m	40	3,800	3,200	12	7.34-14.66	24	4-7.37	212	2000mm, open end cable
1GJ 358 197-611	30" DOUBLE ROW CURVED LIGHTBAR	"Double Curved"	25200	13500	540m	60	5,250	4,500	12	11.54-19.27	24	5.89-10.72	310	2000mm, open end cable
1GJ 358 197-621	40" DOUBLE ROW CURVED LIGHTBAR	"Double Curved"	33600	16000	510m	80	6,350	5,500	12	15.28-25.34	24	8.13-14.76	426	2000mm, open end cable
1GJ 358 197-641	52" DOUBLE ROW CURVED LIGHTBAR	"Double Curved"	42000	20000	590m	100	7,700	6,700	12	18.83-26.67	24	9.86-17.07	500	2000mm, open end cable
8HG 358 176-371	Brackets Black Magic slim row, 2 pieces	Slim					154	150						
8HG 358 176-381	Brackets Black Magic double row, 2 pieces	Double					230	226						

LED Light Bars

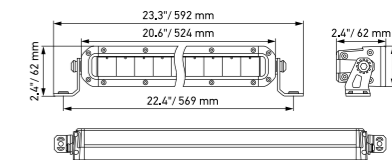
Black Magic 7" Double Row Mini Lightbar



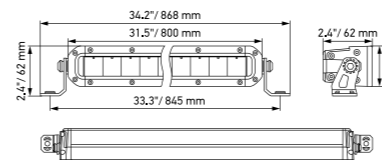
Black Magic 13" Double Row Mini Lightbar



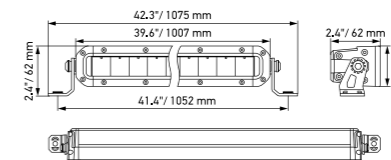
Black Magic 20" Slim Light Bar



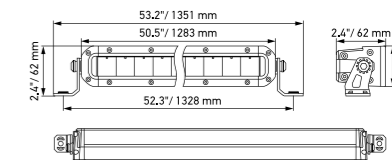
Black Magic 32" Slim Light Bar



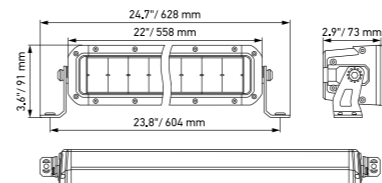
Black Magic 40" Slim Light Bar



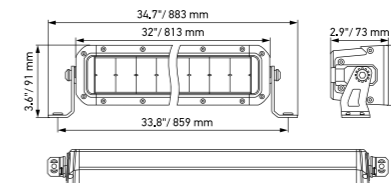
Black Magic 50" Slim Light Bar



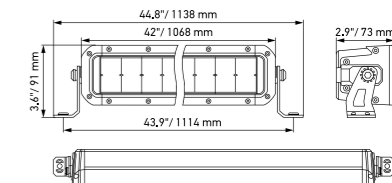
Black Magic 21.5" Double Row Light Bar



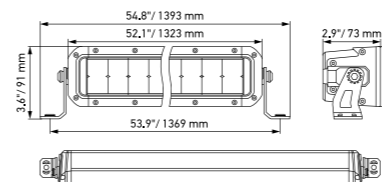
Black Magic 30" Double Row Light Bar



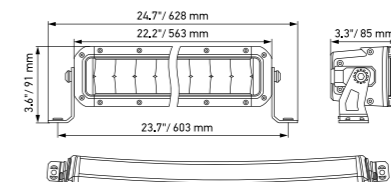
Black Magic 40" Double Row Light Bar



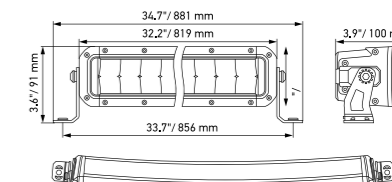
Black Magic 52" Double Row Light Bar



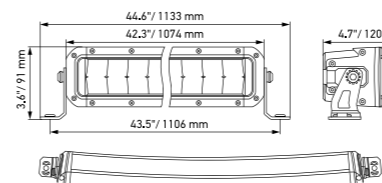
Black Magic 21.5" Double Row Curved Light Bar



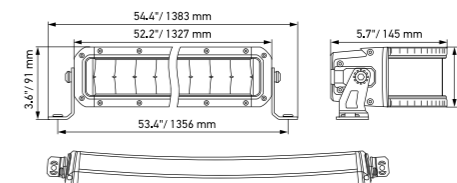
Black Magic 30" Double Row Curved Light Bar



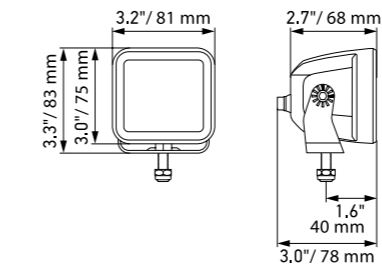
Black Magic 40" Double Row Curved Light Bar



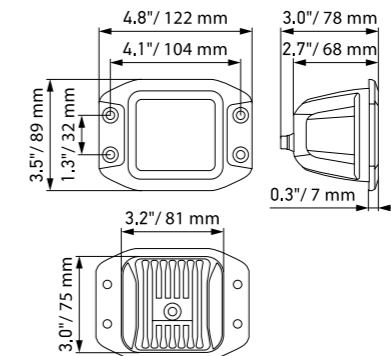
Black Magic 52" Double Row Curved Light Bar



LED cube 3.2" (surface mounting version)



LED cube 3.2" (flush mounting version)

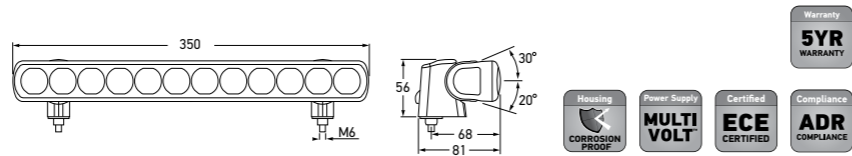


LED Light Bar 350
- Plastic Bracket

The innovative HELLA LED Light Bar 350 is the first such lamp with a lightweight body manufactured entirely from non corrosive, thermally conductive high performance plastics. This aerodynamic powerhouse features 12 durable high performance automotive grade LEDs and a maximum luminous intensity of 145,000 candela with a power consumption of only 25W.

The dust and waterproof Light Bar comes in two different beam patterns – High Beam (Ref 20) and Pencil Beam (Ref 30).

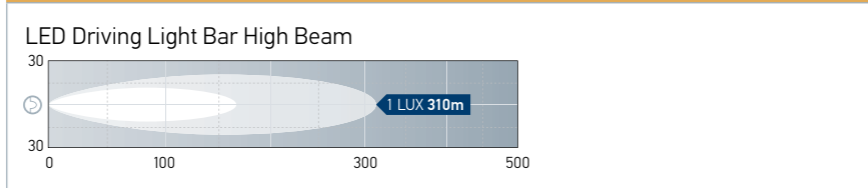
The hermetically sealed and submersible Light Bar features a Multivolt™ circuit for optimum brightness at input voltages from 9V to 33V, is fully road legal with ECE approval and comes with a comprehensive 5 year warranty.



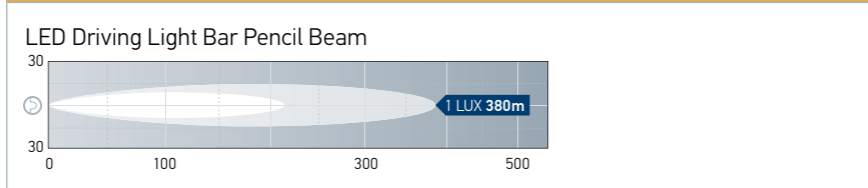
1395	1FJ 958 040-021 (ECE Ref. 20)	HIGH BEAM
1396	1FJ 958 040-061 (ECE Ref. 30)	PENCIL BEAM
Mounting	Upright or pendant	
Voltage	Multivolt™ for optimum brightness at input voltages from 9 to 33 volts	
Power Consumption	25W	
Maximum Luminous Intensity	1395: 96,000 candela 1396: 145,000 candela	
Protection	Reverse polarity and transient spike protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)	
Cable Length	Pre-wired with 2.5m of tinned multi-core cable	
Compliance	E4 2909 R10/04 1395: E24 0008 R112/01 Ref. 20 1396: E24 0009 R112/01 Ref. 30	
Contents	1 x LED Light Bar 350 2 x Plastic mounting brackets 1 x Instruction booklet	



1395 - High Beam distance. Recorded with single lamp. Distance in metres.



1396 - Pencil Beam distance. Recorded with single lamp. Distance in metres.

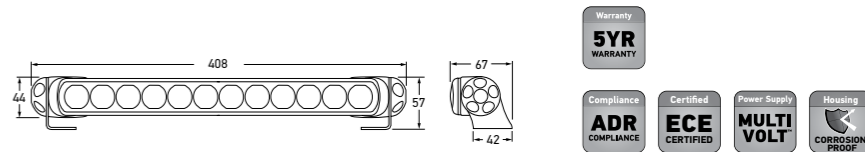


LED Light Bar 350
- HD Bracket

This innovative HELLA LED Light Bar 350 is the first such lamp with a lightweight body manufactured entirely from non corrosive, thermally conductive high performance plastics. This aerodynamic powerhouse features 12 durable high performance automotive grade LEDs and a maximum luminous intensity of 145,000 candela with a mere power consumption of only 25W.

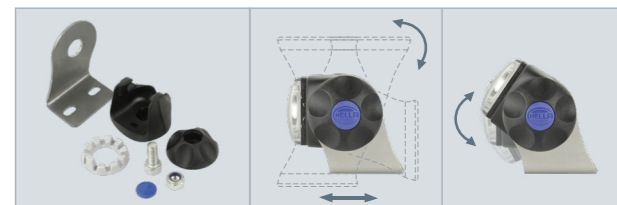
The dust and waterproof Light Bar comes in two different beam patterns – High Beam (Ref 20) and Pencil Beam (Ref 30).

The hermetically sealed and submersible Light Bar features a Multivolt™ circuit for optimum brightness at input voltages from 9V to 33V, is fully road legal with ECE approval and comes with a comprehensive 5 year warranty.

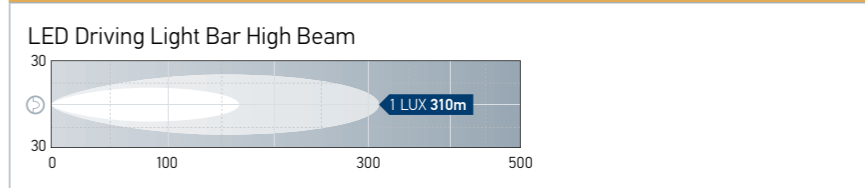


1395HD	1FJ 958 040-031 (ECE Ref. 20)	HIGH BEAM
1396HD	1FJ 958 040-041 (ECE Ref. 30)	PENCIL BEAM
Mounting	Upright or pendant	
Voltage	Multivolt™ for optimum brightness at input voltages from 9 to 33 volts	
Power Consumption	25W	
Maximum Luminous Intensity	1395HD: 96,000 candela 1396HD: 145,000 candela	
Protection	Reverse polarity and transient spike protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)	
Cable Length	Pre-wired with 2.5m of tinned multi-core cable	
Compliance	E4 2909 R10/04 1395HD: E24 0008 R112/01 Ref. 20 1396HD: E24 0009 R112/01 Ref. 30	
Contents	1 x LED Light Bar 350 2 x HD mounting brackets 1 x Instruction booklet	

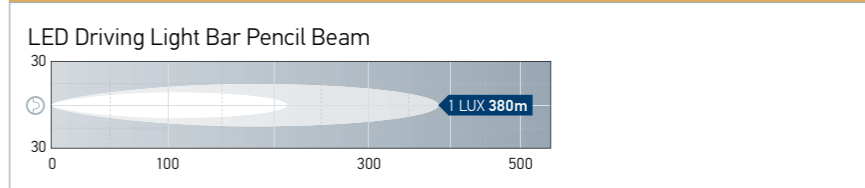
The heavy duty HD brackets are made of stainless steel, ultra durable and corrosion resistant. The perfect choice for on or off road applications.



1395HD - High Beam distance. Recorded with single lamp. Distance in metres.



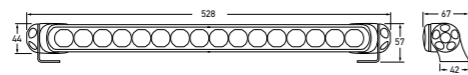
1396HD - Pencil Beam distance. Recorded with single lamp. Distance in metres.



LED Light Bar 470 HD Bracket

The dust and waterproof Light Bar comes in two different beam patterns – High Beam (Ref. 25 with 1 lux at approx. 330 metres) and Pencil Beam (Ref. 37.5 with 1 lux at approx. 410 metres). Weighing only 950g the Light Bar is particularly popular for roof mount applications on ATV's and off-road vehicles.

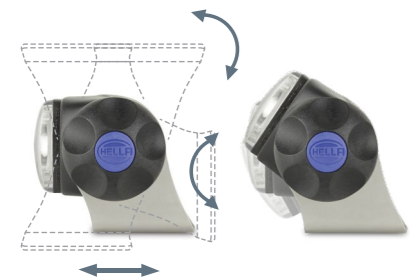
The non corrosive, thermally conductive housing is highly resistant to degradation and due to its slim profile, this streamline Light Bar is ideal for applications where aerodynamic styling is a valued attribute. The flexible, adjustable mounting system ensures easy installation. The Light Bar features a Multivolt™ circuit for optimum brightness at a wide range of input voltages from 9V to 33V and is fully road legal with ECE approval.



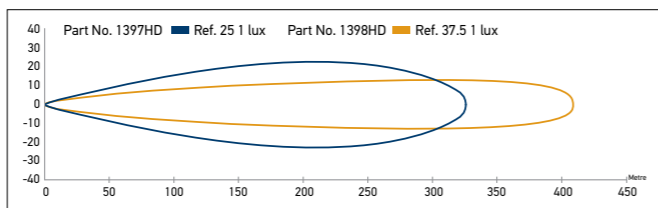
1397HD	1FJ 958 130-121 (ECE Ref. 25)	HIGH BEAM
1398HD	1FJ 958 130-021 (ECE Ref. 37.5)	PENCIL BEAM
Mounting	Upright or pendant	
Voltage	Multivolt™ for optimum brightness at input voltages from 9 to 33 volts	
Power Consumption	35W	
Maximum Luminous Intensity	1397HD: 113,000 candela 1398HD: 166,000 candela	
Protection	Reverse polarity and transient spike protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)	
Cable Length	Pre-wired with 2.5m of tinned multi-core cable.	
Compliance	E24 1947 R10/05 1397HD E24 0012 R112/01 Ref. 25 1398HD E24 0013 R112/01 Ref. 37.5	
Contents	1 x LED Light Bar 470 2 x HD mounting brackets 1 x Instruction booklet	



1397HD
LED Light Bar 470 - High Beam



Mounting brackets can be positioned to suit most vehicle installations.

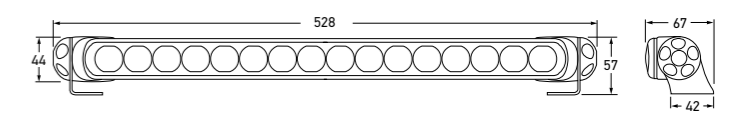


LED Light Bar 470 - Combi Lamp HD Bracket

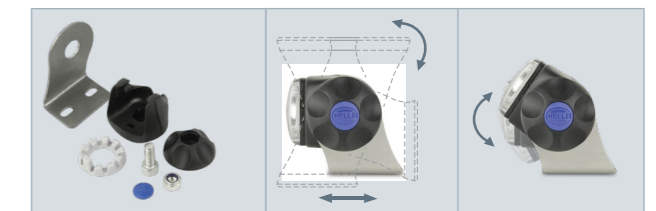
The LED Light Bar 470 Combi is a unique work lamp offering three light options: close range, long range or combined - all in a single light bar. The lamp is a great addition to any ute, ATV or off-road vehicle.

Only 1kg of weight means less stress on mounting locations and the low profile design will not restrict cooling airflow when fitted to the front of a vehicle - which can be a problem with larger lights. Don't be fooled by its size though, this light bar certainly punches above its weight with its long distance and spread light output. Multivolt™ circuitry means the lamp can be used with both 12V or 24V DC systems, whilst only consuming 36W. Any input between 9V to 33V will give optimum brightness.

The adjustable mounting system ensures for easy installation and flexibility for any orientation. Providing unmatched corrosion resistance due to an innovative thermally conductive polymer housing, and the toughness of a UV, chemical and impact resistant nylon (PA12) lens. The Combi Lamp is the natural choice when exceptional durability and long term reliability in demanding environments is needed.



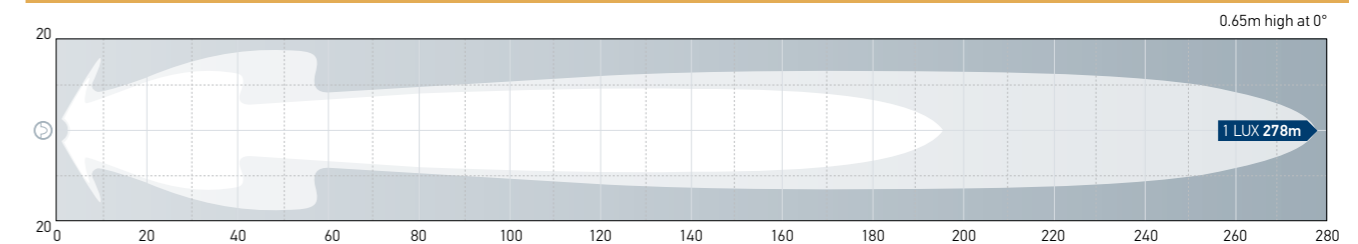
1599HD	1GJ 958 130-431 – (Close Range and Long Range)	COMBI
Mounting	Upright or pendant	
Voltage	Multivolt™ for optimum brightness at input voltages from 9 to 33 volts	
Power Consumption	Combined: 36W Close/Long Range: 18W	
Maximum Luminous Intensity	77,000 candela	
Max. Light Output	2200 lumens	
Protection	Reverse polarity and transient spike protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)	
Cable Length	Pre-wired with 2.5m of tinned multi-core cable	
Lens Material	High impact and chemical resistant Nylon (PA12) lens	
Accessories	8HG 958 128-811 HD double mount stainless steel feet (one pair) 8HG 958 139-071 HD single spare end bracket kit 8XS 958 337-021 LED Light Bar - Clear protective cover 8XS 958 337-031 LED Light Bar - Amber protective cover 8XS 958 337-111 LED Light Bar - Protective cover	
Compliance	E24	
Contents	1 x LED Light Bar 470 2 x HD mounting brackets 1 x Instruction booklet	



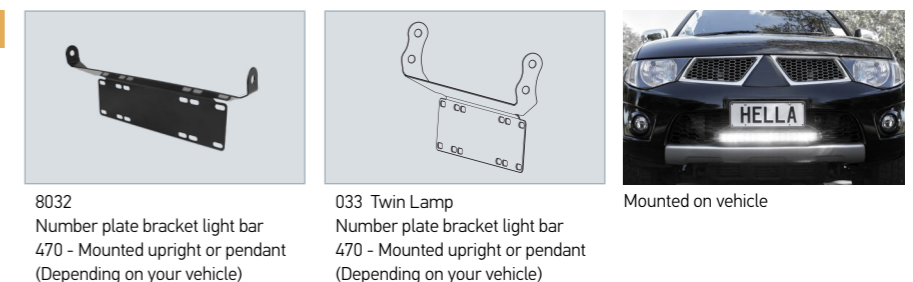
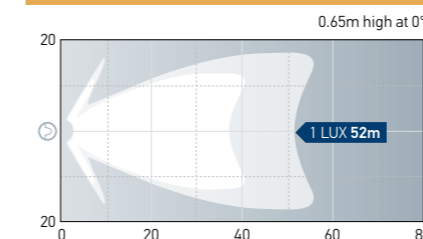
HD single mounting bracket - Disassembled view
Mounting brackets can be positioned to suit most vehicle installations.



Combi Light Bar 470 - Combined (Close Range and Long Range)



Combi Light Bar 470 - Close Range



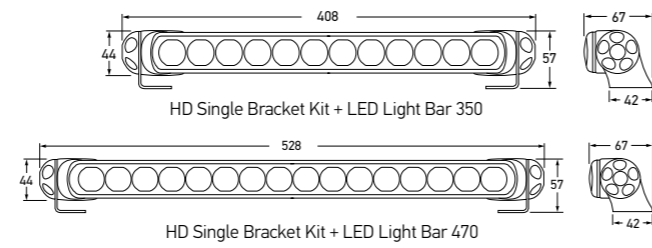
8032 Number plate bracket light bar 470 - Mounted upright or pendant (Depending on your vehicle)
033 Twin Lamp Number plate bracket light bar 470 - Mounted upright or pendant (Depending on your vehicle)
Mounted on vehicle

FOG AND DRIVING

FOG AND DRIVING

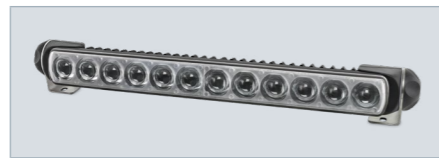
**LED Light Bar
- HD Single Bracket Kit**

These easy to install heavy bracket kits made to suit the LED Light Bar range and can be mounted upright or pendant to accommodate most vehicle installations. The smooth brackets simply clip onto the ends of the Light Bar. The nuts, bolts and mounting brackets are made from marine grade 316 stainless steel and come with anti-theft screw caps.

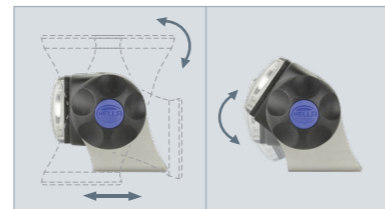


8HG 958 139-841

Kit Contents:	2 x Stainless Steel Mounting Feet	2 x Friction Washers
(Lamp not included)	2 x Stainless Steel M8 x 20mm Cap Screws	2 x End Clamps
	2 x Stainless Steel M8 Nylon Lock Nuts	2 x Screw Caps
	2 x End Adaptors	



HD Single Bracket Kit + LED Light Bar 350



Mounting brackets can be positioned to suit most vehicle installations.

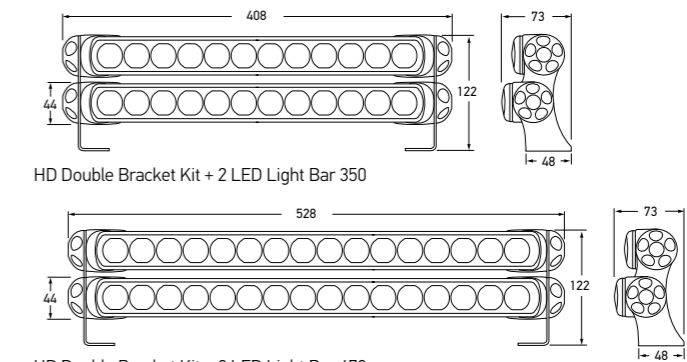
**LED Light Bar
- HD Double Bracket Kit**



HD Double Bracket Kit + 2 x LED Light Bar 350



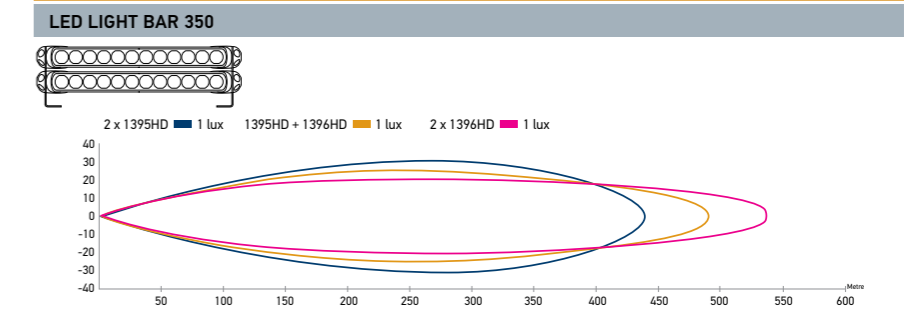
Mounting brackets allow rotation of Light Bar.



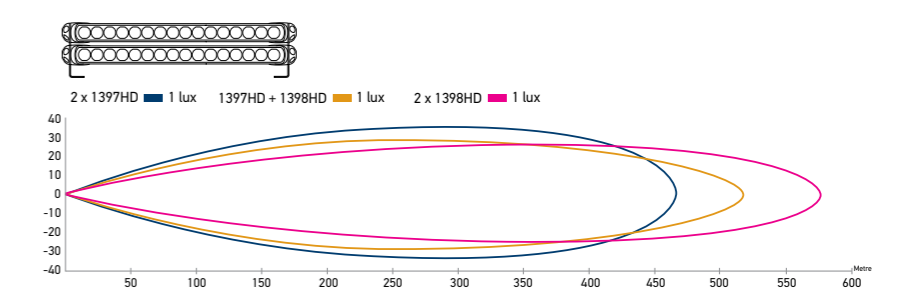
8HG 958 139-851

Kit Contents:	2 x Stainless Steel Double Mounting Feet	4 x Friction Washers
(Lamps not included)	4 x Stainless Steel M8 x 20mm Cap Screws	4 x End Clamps
	4 x Stainless Steel M8 Nylon Lock Nuts	4 x Screw Caps
	4 x End Adaptors	

Beam Patterns - Beam distance (m)

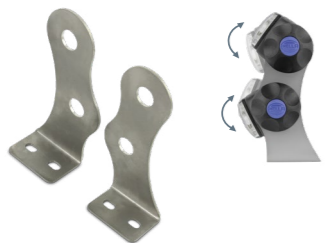


LED LIGHT BAR 470



LED LIGHT BARS

Double stainless steel mounting feet



8HG 958 128-811 - Suits 350 and 470 LED Light Bars

Includes Double Stainless Steel Mounting Feet (one pair) to suit LED Light Bar

Single Spare bracket Kit



8HG 958 139-071

Kit Includes: 1 x Stainless Steel M8 x 20mm Cap Screw
1 x Stainless Steel M8 Nylon Lock Nut
1 x End Adaptor
1 x Friction Washer
1 x End Clamp
1 x Screw Cap

958 139-071
Single spare bracket for one end (no mounting feet)

LED Light Bar Protective Covers

Whether you want to protect your Light Bar or make your vehicle look unique, we have the Protective Covers you need for the job.

The amber and black covers give your vehicle a distinctive appearance that's sure to get attention and the amber cover is great during foggy conditions as it reduces glare and reflection.

8XS 958 336-021 - LED Light Bar 350 Range	CLEAR
8XS 958 336-031 - LED Light Bar 350 Range	AMBER
8XS 958 336-111 - LED Light Bar 350 Range	BLACK
8XS 958 337-021 - LED Light Bar 470 Range	CLEAR
8XS 958 337-031 - LED Light Bar 470 Range	AMBER
8XS 958 337-111 - LED Light Bar 470 Range	BLACK



Clear

Amber

Black Protective Covers on 470 and 350 Range lamps



Contents

Work Lamps

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LED Hand Held Lamps.....	170
Halogen Work Lamps.....	171
Halogen Hand Held Lamps.....	172
Spare Parts and Accessories.....	173

Work Lamps

Effective and efficient mobile lighting can increase productivity and staff safety.

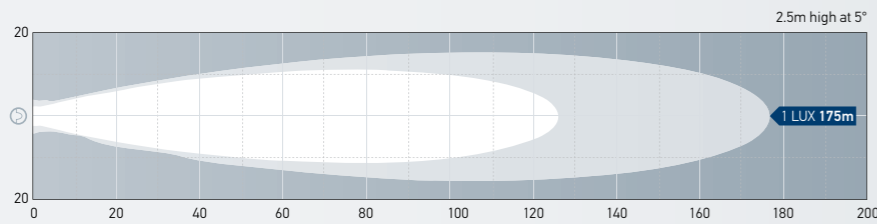


ILLUMINATION COMPARISONS

Work lamps can be compared by using an informative isolux lighting diagram. These diagrams display the projected light pattern on a surface in the form of isolux lines (lines of equal light intensity). To compare isolux diagrams, various criteria such as installation height, inclination angle and lux scale must be taken into account. An objective comparison is inaccurate if the criteria differ from one another. Comparing diagrams with different colour scales can be easily misinterpreted.

Long Range

Narrow beam range designed to illuminate distant objects between 60m to 200m (depending on lamp installation, installation height and inclination angle).

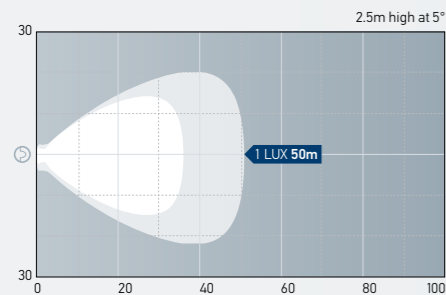


Isolux Lighting Diagram

Isolux diagrams display the projected light pattern on a surface in the form of isolux lines (lines of equal light intensity).

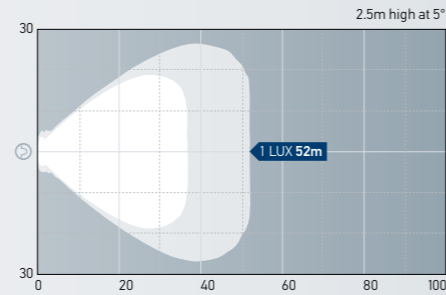
Close Range

Spread beam designed to illuminate an area near the vehicle, range approx. 20m to 60m (depending on installation height and inclination angle).



Flood

Ultra-wide spread beam designed to illuminate a large area adjacent to the vehicle, typically emitting an extra wide beam (over 45° each side).



ELIVER

The Light Comparison Tool for Work Lamps

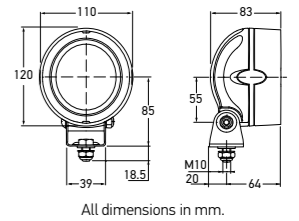
The ELIVER tool allows you to easily test and compare our products against each other in a realistic environment. This lets you find the perfect work lights or auxiliary lights for your individual requirements. You can conveniently compare different technologies, such as halogen, Xenon and LED against each other. You can view the light distribution on a farm track, on a street or under off-road conditions.

ELIVER also provides you with all the relevant information about performance and technical specifications. This includes information such as the light range, width and intensity. As a special service, you can call up the respective light range diagram or download brief information about the product as a PDF at any time.

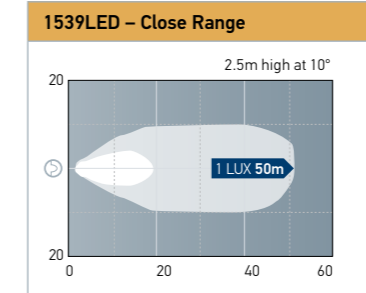
Visit hella.com/eliver and try it yourself.

Close Range Mega Beam Gen. III LED Work Lamp

Mega Beam Gen. III LED Multivolt Work Lamps feature **4 high performance white LEDs (6500K)** providing consistent close range illumination with 12 or 24V DC systems. High-shine metallised Free-Form (FF) reflector and clear glass lens. Housed in an impact-resistant aluminium die-cast and UV plastic housing, fully sealed for an ultra long service life in demanding high vibration environments.

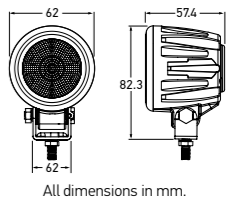
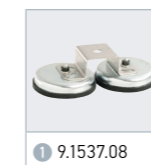


1GM 996 136-311 1539LED		CLOSE RANGE
Mounting	Upright, Side or Pendant	
Voltage	Multivolt™ 9-33V DC	
Power Consumption	13W	
Max. Light Output	800 lumens	
Protection	Reverse polarity and voltage spike protection IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)	
Cable Length	2 metres	
Housing	Aluminium	
Lens Material	Glass	
Compliance	E1 ECE-R10 CE	



Compact LED Work Lamp

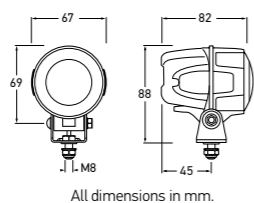
The Compact LED Work Lamp is a light weight close range light designed for general illumination in areas where physical restraints in mounting locations exist.



1GA 910 060-021 HM1590WB		CLOSE RANGE
Mounting	Upright or Pendant	
Voltage	Multivolt™ 9-64V DC	
Power Consumption	6W	
Max. Light Output	900 lumens	
Temperature Range	-40°C to +60°C	
Protection	Reverse Polarity and Transient Voltage Suppressor (TVS) Fully sealed against dust and moisture to IP6K7 and IP6K9K	
Housing	Aluminium	
Lens Material	Polycarbonate	
Accessory	9.1537.08 Universal Magnetic Mounting Bracket 1	
Compliance	E1	

Module 50 LED Work Lamp

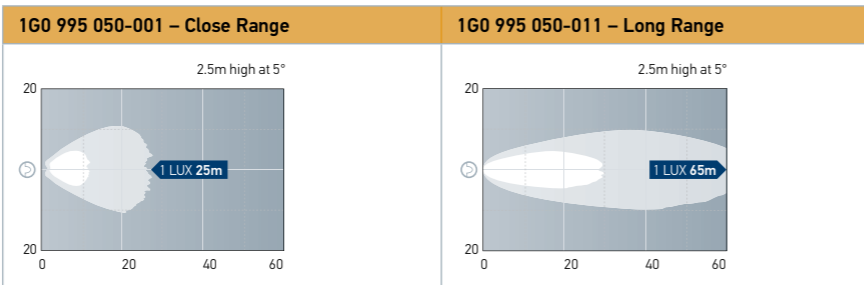
The smallest Work Lamp in the HELLA range. Powerful and ultra-compact, Module 50 LED is the perfect choice for limited space set ups. The **single multichip LED (6500K)** light output is **800 lumens** which is well suited to close-range illumination. The integrated electronics protect the device in the event of polarity inversion and guarantee constant brightness, even when operating with voltage fluctuations between 9V and 50V DC.



1G0 995 050-001	1560LED	CLOSE RANGE
1G0 995 050-021	1560LEDLR	LONG RANGE
Mounting	Stainless-steel bracket for Upright or Pendant mounting	
Voltage	Multivolt™ 9-50V DC * not suitable for 48V DC forklifts (max. vehicle system voltage 42V DC)	
Power Consumption	15W	
Max. Light Output	800 lumens	
Temperature Range	-40°C to +50°C	
Protection	IP6K9K and IP6K8, reverse polarity protection, surge protection, overheating protection	
Housing	Aluminium	
Lens Material	High impact Acrylic Plastic (PMMA)	
Cable Length	Integrated DT Socket (Optional 2.0 metre DT Pigtail Loom to be ordered separately)	
Spare Part	8KB 990 299-011 DT Pigtail Loom, 2 metres	
Accessory	9.1517.08	Universal Pedestal Mounting Bracket ①
Compliance		



① 9.1517.08

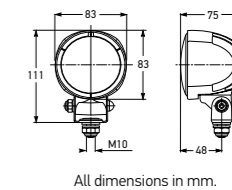


Close Range M70 Gen. III LED Work Lamp

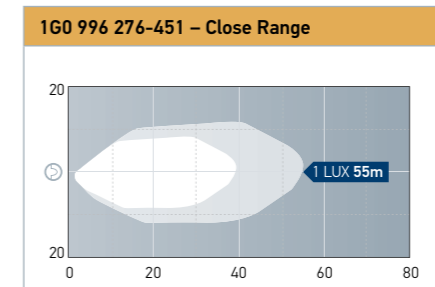
The Module 70 Gen. III LED Work Lamp provides **800 lumens**. Equipped with **4 x high performance LEDs (6500K)**, high-sheen metallised Free-Form (FF) reflector and clear glass lens for consistent close-range illumination. Housed in an impact-resistant aluminium die-cast housing, fully sealed for an ultra-long service life in demanding high vibration environments.



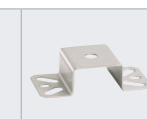
Click for video



1G0 996 276-451	1547LED	CLOSE RANGE
Mounting	Upright, Side or Pendant	
Voltage	Multivolt™ 9-33V DC	
Power Consumption	13W	
Max. Light Output	800 lumens	
Temperature Range	-40°C to +50°C	
Cable Length	2 metres	
Protection	Reverse Polarity and Transient Voltage Suppressor (TVS) Fully sealed against dust and moisture to IP6K9K and IPX7	
Housing	Aluminium	
Lens Material	Glass	
Compliance		
Accessories	HM70PR	Pipe Mount Tube Attachment (rotating) ①
	9.1517.08	Universal Pedestal Mounting Bracket ②



① HM70PR



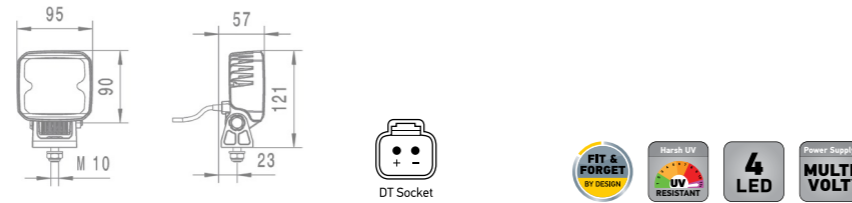
② 9.1517.08

RokLUME 155 TP LED Work Lamp

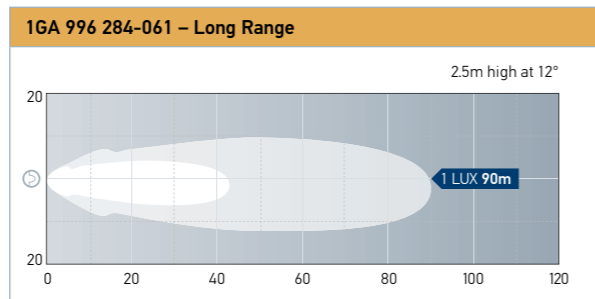
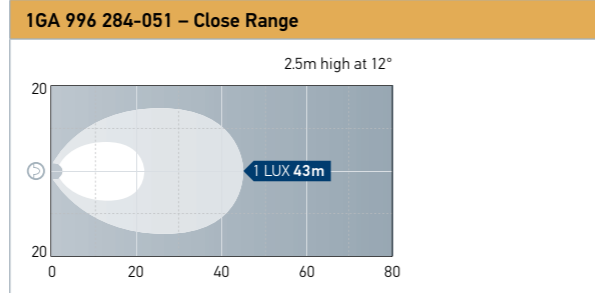
The RokLUME 155 TP LED is a robust Work Lamp in a universal, attractive design. The innovative **thermally conductive synthetic material housing** also features cooling fins which ensure the required heat dissipation from the **4 x high-power LEDs**.



1GA 996 284-051



1GA 996 284-051	CLOSE RANGE
1GA 996 284-061	LONG RANGE
Mounting	Upright or Pendant
Voltage	Multivolt™ 9-33V DC
Power Consumption	15W
Max. Light Output	1200 lumens
Temperature Range	-40°C to +50°C
Protection	Reverse polarity and voltage spike protection IP 6K9K (Protection against dust and high-pressure/steam jet cleaning) IP 6K7
Cable Length	200mm with DT socket (Optional 2.0 metre DT Pigtail Loom to be ordered separately)
Housing	Thermal Conductive Plastic
Lens Material	PC Polycarbonate
Compliance	ECE-R10
Spare Part	8KB 990 299-011 DT Pigtail Loom, 2 metres



ECO18 LED Work Lamp

HELLA's ECO work lamps series lend themselves perfectly as an entry-level model into the world of the HELLA premium segment.

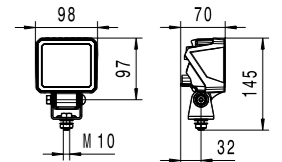
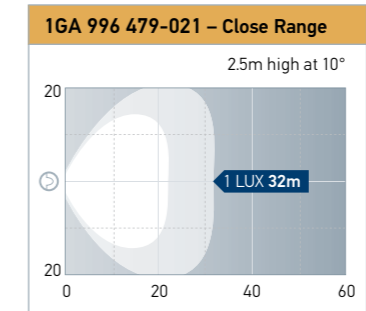
Thanks to its compact size and universal shape, the ECO series can replace virtually all the usual halogen lamps in a simple way.

The ECO18 LED work lamp boasts a lighting performance of **1350 lumens** while only consuming **18 watts** of power.



All dimensions in mm.

1GA 996 479-021	CLOSE RANGE
Mounting	Upright or Pendant 25° Tilt Angle
Voltage	Multivolt™ 10.5–32 V DC
Power Consumption	18 W
Light Output	1350 lumens
Colour Temperature	6500 Kelvin
Protection	IP 6K9K, IP 6K7
Connection	DT Connector
Housing	Aluminium Die Cast
Lens Material	PC Polycarbonate
Compliance	ECE-R10

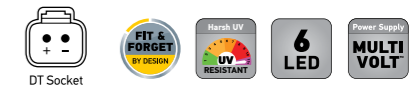


ECO26 LED Work Lamp

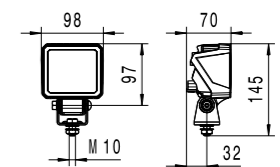
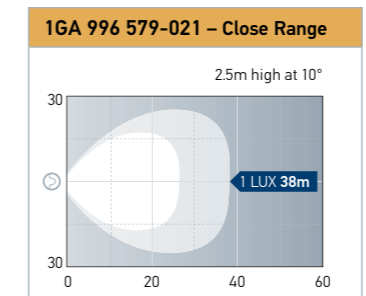
HELLA's ECO work lamps series lend themselves perfectly as an entry-level model into the world of the HELLA premium segment.

Thanks to its compact size and universal shape, the ECO series can replace virtually all the usual halogen lamps in a simple way.

The ECO26 LED work lamp boasts a fantastic lighting performance of **2000 lumens** while only consuming **26 watts** of power.



1GA 996 579-021	CLOSE RANGE
Mounting	Upright or Pendant 25° Tilt Angle
Voltage	Multivolt™ 10.5–32 V DC
Power Consumption	26 W
Light Output	2000 lumens
Colour Temperature	6500 Kelvin
Protection	IP 6K9K, IP 6K7
Connection	DT Connector
Housing	Aluminium Die Cast
Lens Material	PC Polycarbonate
Compliance	ECE-R10



All dimensions in mm.

Power Beam

Universal halogen replacement at the best value for money. With its universal and slim design, the HELLA Power Beam S series can replace existing halogen units like for like. Their higher efficiency and longer service life are convincing traits. Depending on the variant, the Power Beam S series achieves a light output of 1,000 lumens or 1,850 lumens.



1GA 996 588-001



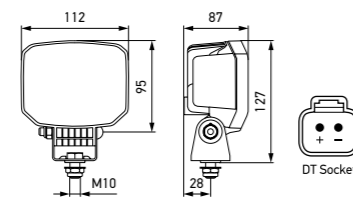
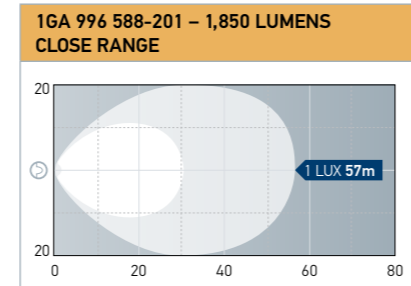
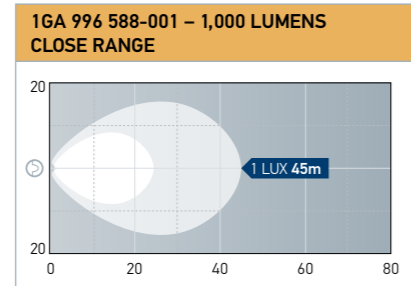
1GA 996 588-201

Powerbeam S SERIES



Part Number	Light Output	Range
1GA 996 588-001	1000 lumens	CLOSE RANGE
1GA 996 588-011	1000 lumens	LONG RANGE
1GA 996 588-201	1850 lumens	CLOSE RANGE
1GA 996 588-211	1850 lumens	LONG RANGE

	1,000 Lumens	1,850 Lumens
Lens Material	Plastic	
Housing	Heat conductive plastic	
Voltage	Multi-voltage 9-33 V DC	
Power consumption	12W	19W
Light Output	1,000 lm	1,850 lm
IP Rating	IP6K7, IP6K9K	
Operating Temperature	-40 °C to + 85 °C	
LED Colour Temperature	6,500 K	
Connection	DEUTSCH DT connector	
Type Approval	ECE-R10, RCM	



DT Socket

Module 70 S Series

Compact halogen replacement at the best value for money. With its compact design, the Module 70 S-series makes the switch from halogen to LED technology easy. The Module 70 S-series is available in two light outputs: 1,150 lumens and 1,850 lumens.



1G0 996 776-001



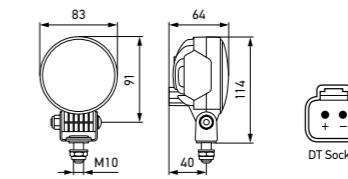
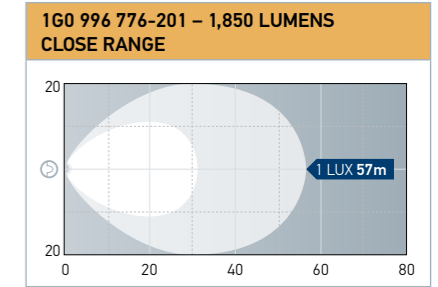
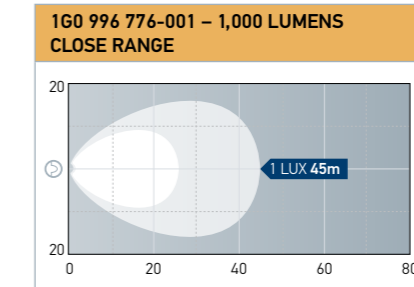
1G0 996 776-201

M70 S SERIES



Part Number	Light Output	Range
1G0 996 776-001	1000 lumens	CLOSE RANGE
1G0 996 776-011	1000 lumens	LONG RANGE
1G0 996 776-201	1850 lumens	CLOSE RANGE
1G0 996 776-211	1850 lumens	LONG RANGE

	1,000 Lumens	1,850 Lumens
Lens Material	Plastic	
Housing	Heat conductive plastic	
Voltage	Multi-voltage 9-33 V DC	
Power consumption	12W	19W
Light Output	1,000 lm	1,850 lm
IP Rating	IP6K7, IP6K9K	
Operating Temperature	-40 °C to + 85 °C	
LED Colour Temperature	6,500 K	
Connection	DEUTSCH DT connector	
Type Approval	ECE-R10, RCM	



DT Socket

S SERIES HIGHLIGHTS

CISPR25 CLASS 5

No Radio Interference and best EMC Performance

OVERHEAT PROTECTION

Protects the circuit board and housing of lamp from overheating

COMPETITIVE PRICE

Best performance with affordable price and value for money

DANGEROUS GOODS APPROVED

Can be used on fuel tankers

THERMO PLASTIC HOUSING

Light Weight, Corrosion and Chemical Resistant

INTEGRATED THERMAL MANAGEMENT

Less Degradation of LED = Long lasting performance

IMPACT RESISTANT PC LENS

Precision alignment for maximum performance and prevents accidental damage

MADE IN AUSTRIA

Designed and Manufactured in Europe



- The high quality European designed and manufactured S series work lamps provide an excellent price – performance ratio.
- Thanks to the weight reduction, S series is suitable for high vibration area and specialist mounting applications. E.g. Mirror arms, fibreglass moulding.
- S series Work Lamps are Transport of hazardous goods compatible being IP6K7, IP6K9K with integrated DT connector, as opposed to budget work lights with single insulation and “no connector” which do not comply.

- Homogeneously dispersed light output with a colour temperature of 6500K being similar to daylight resulting in reduced fatigue for equipment operators.
- **CISPR 25 class 5** - guarantees no radiated emission to interfere with radio coms and other RF sensitive devices, and can be mounted directly next to antenna.
- Thermo plastic housing and can be used in salty and corrosive environments. E.g Concrete trucks

Click for video

Ultra Beam S Series

The Ultra Beam S Series delivers improved light distribution for exceptional illumination, offering the best energy efficiency and innovative electronics with power on soft-start. Its robust design ensures reliable performance, even in harsh working environments.

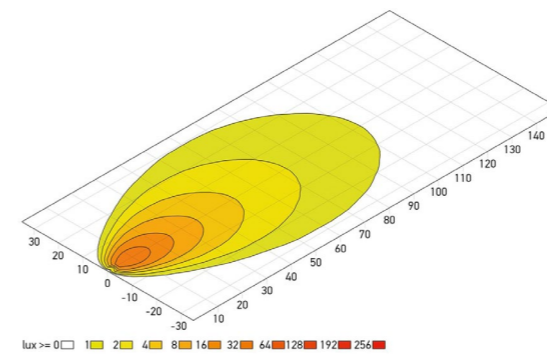
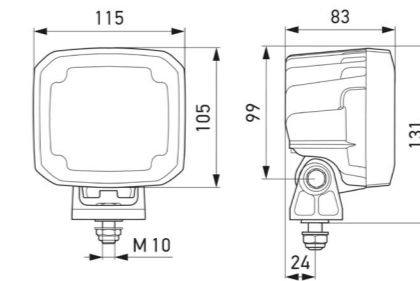


1GA 995 706-011
Long-range illumination

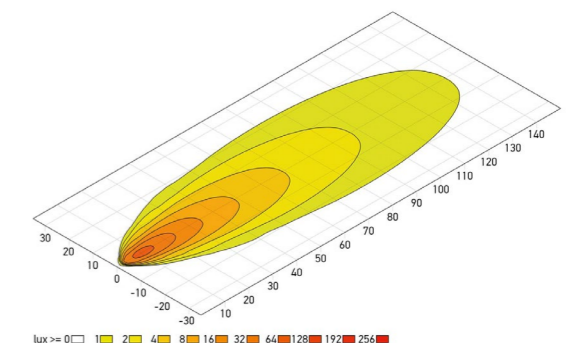


1GA 995 706-001
Close-range illumination

1GA 995 706-001		CLOSE RANGE
1GA 995 706-011		LONG RANGE
Operating voltage	Multi-voltage (9 – 32 V)	
Rated voltage	12 V and 24 V	
Current consumption	12 V: Ø 2.95 A* 24 V: Ø 1.39 A**	
Power consumption	12 V: Ø 39 W* 24 V: Ø 37.5 W**	
Light output	4,400 lm	
Light source	LED	
Colour temperature	6,500K	
Material	Housing: die-cast aluminium Cover lens: plastic Bracket: plastic	
Weight	895 g	
Temperature range	-40 °C to +85 °C (overheating protection)	
Protection class	IP 6K9K, IP 6K8	
Type approval	ECE-R10	
EMC protection	12 V: CISPR 25 Class 5 24 V: CISPR 25 Class 5	
Salt spray resistance	720 h as per DIN EN ISO 9227	
Mounting	Upright and pendant	
Connection	DEUTSCH DT 2-pin connector	



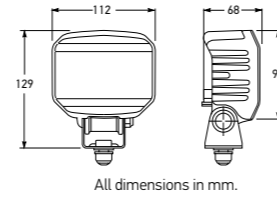
Close range



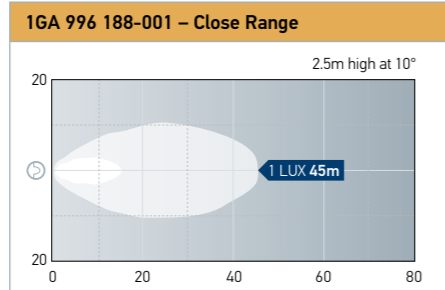
Long range

Power Beam 1000 LED Work Lamp

LED Work Lamp with **6 high performance LEDs (6500K)** for a powerful white light. Features robust aluminium die-cast housing, stainless steel bracket and Free-Form (FF) reflector with clear lens for consistent close range illumination. Integrated DT socket electrical connection.

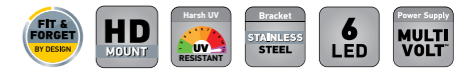
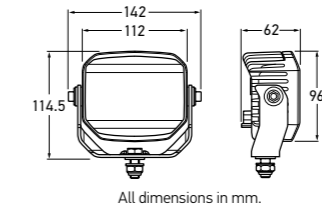


1GA 996 188-001	1551LED	CLOSE RANGE
1GA 996 188-021	- Nylon (PA12) 1551LEDPMA	CLOSE RANGE
Mounting	Upright or Pendant	
Voltage	Multivolt™ 9-33V DC	
Power Consumption	18W	
Max. Light Output	850 lumens	
Temperature Range	-40°C to +50°C	
Protection	Reverse polarity and voltage spike protection IP 6K7 (Protection against temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)	
Cable Length	Integrated DT Socket (Optional 2.0 metre DT Pigtail Loom to be ordered separately)	
Housing	Aluminium	
Lens Material	Glass – 1GA 996 188-001 or Nylon (PA12) – 1GA 996 188-021	
Compliance	E1 CE	
Spare Part	8KB 990 299-011 DT Pigtail Loom, 2 metres	
Accessories	9.1517.08 Universal Pedestal Mounting Bracket ① 9.1537.08 Universal Magnetic Mounting Bracket ②	

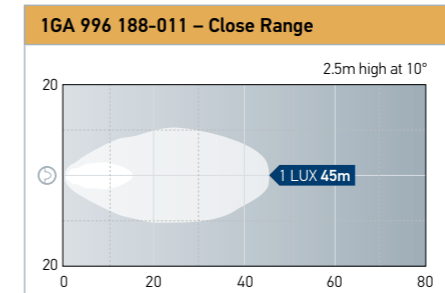


Power Beam 1000 LED Work Lamp – Heavy Duty

LED Work Lamp with **6 high performance white LEDs (6500K)** for a powerful white light. Features robust aluminium die-cast housing, stainless steel heavy-duty bracket and Free-Form (FF) reflector with clear hardened glass lens for consistent close-range illumination. Integrated DT socket electrical connection.



1GA 996 188-011	1551LEDHD	CLOSE RANGE
Mounting	Upright or Pendant	
Voltage	Multivolt™ 9-33V DC	
Power Consumption	18W	
Max. Light Output	850 lumens	
Temperature Range	-40°C to +50°C	
Protection	Reverse polarity and voltage spike protection IP 6K7 (Protection against temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)	
Cable Length	Integrated DT Socket (Optional 2.0 metre DT Pigtail Loom to be ordered separately)	
Housing	Aluminium	
Lens Material	Glass	
Spare Part	8KB 990 299-011 DT Pigtail Loom, 2 metres	
Compliance	E1 CE	

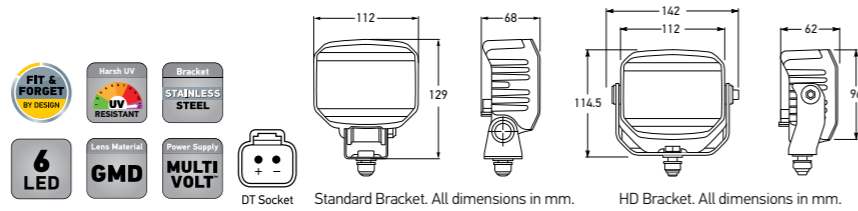


WORK LAMPS

WORK LAMPS

Power Beam 1500 LED Work Lamp

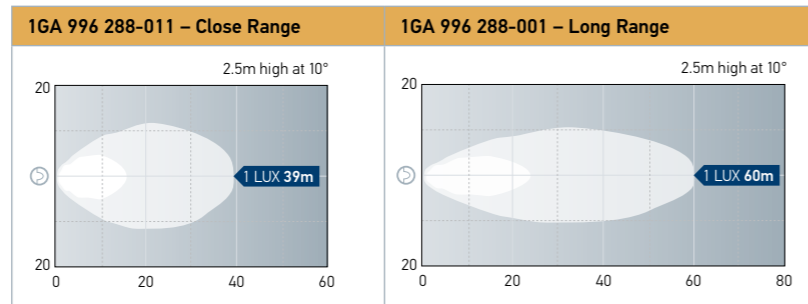
Premium LED Work Lamp with **6 x high performance LEDs (6500K)**. Aluminium housing. Light output rated at **1300 lumens**. nylon (PA12) lens.



1GA 996 288-031 – Heavy Duty Bracket 1557LEDHD	CLOSE RANGE
1GA 996 288-011 1557LED	CLOSE RANGE
1GA 996 288-001 1557LEDLR	LONG RANGE
Mounting	Upright or Pendant
Voltage	Multivolt™ 9-33V DC
Power Consumption	22W
Max. Light Output	1300 lumens
Protection	Reverse polarity protection IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)
Housing	Aluminium
Lens Material	Nylon (PA12)
Cable Length	Integrated DT Socket (Optional 2.0 metre DT Pigtail Loom to be ordered separately)
Spare Part	8KB 990 299-011 DT Pigtail Loom, 2 metres
Accessory	9.1517.08 Universal Pedestal Mount
Compliance	⚡ (E) CE

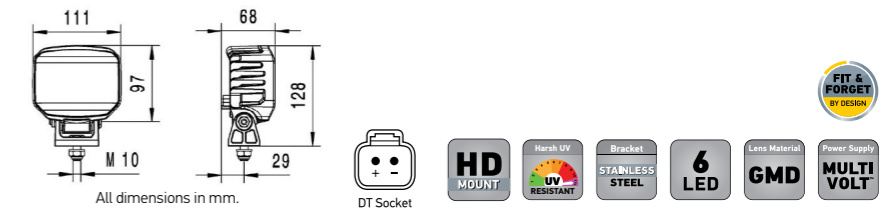


[Click for video](#)

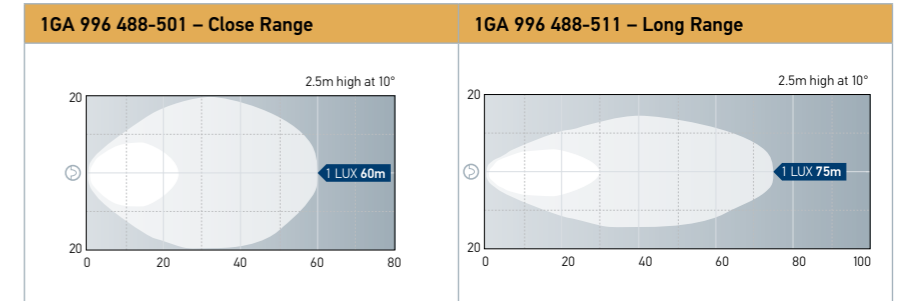


RokLUME 190 TP Work Lamp

The compact RokLUME 190 TP is an ideal LED work lamp that combines a powerful light output with a practical design.



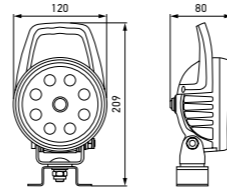
1GA 996 488-501	CLOSE RANGE
1GA 996 488-511	LONG RANGE
Mounting	Upright or Pendant
Voltage	Multivolt™ 9-33V DC
Power Consumption	26W
Max. Light Output	1850 lumens
Colour Temp.	5000 K
Protection	Reverse polarity and voltage spike protection IP 6K7 (Protection against temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)
Cable Length	Integrated DT Socket. Includes DT Plug
Housing	Thermally Conductive Plastic
Lens Material	Nylon (PA12)
Spare Part	8KB 990 299-011 DT Pigtail Loom, 2 metres
Compliance	⚡ (E) CE



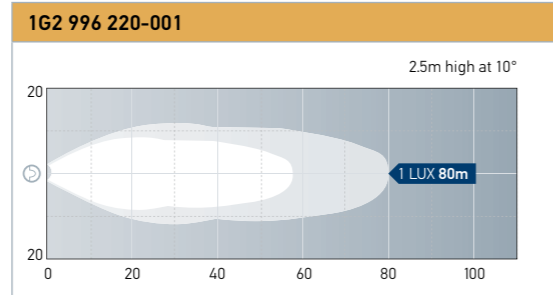
Grilamid®
 Grilamid® is a revolutionary, Swiss made optically clear Polyamide with unmatched resistance to impact and chemical damage.
 Grilamid® will not yellow or embrittle even after years of exposure to harsh UV radiation.

R120S LED Work Lamp

The R120S LED Work Lamp is designed with a moulded handle and swivel base mounting bracket, which enables the lamp to be rotated in almost any direction. It also has a convenient on/off switch at the rear of the lamp.

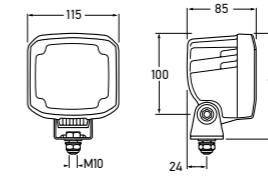


1G2 996 220-001		CLOSE RANGE
Mounting	Swivel base mounting	
Voltage	Multivolt™ 10-30V DC	
Power Consumption	23W	
Max. Light Output	1500 lumens	
Colour Temp.	6500 K	
Protection	Reverse polarity protection, overheating protection	
Housing	Aluminium	
Temperature range	- 40 °C to + 50 °C	
Protection	IP 6K7, IP 6K9K	
Compliance	ECE-R10	



LED Ultra Beam Gen. II Work Lamps

Introducing the latest generation of the LED Ultra Beam range. The light-optimised Ultra Beam LED Gen. II has a much higher light output of **4400 lumens** and can replace Xenon Work Lamps.



1GA 995 606-001 1566LED		CLOSE RANGE
1GA 995 606-011 1566LEDLR		LONG RANGE
1GA 995 606-021 1566LEDPB		PENCIL BEAM
Voltage	Multivolt™ 9 – 33 V DC	
Power consumption	50 W	
Light output	4400 lumens	
Light source	8 High-Power LEDs	
Colour temperature	6500 K	
Housing material	Aluminium die cast	
Lens material	Polycarbonate	
Connection	Integrated DT socket (Optional 2.0 metre DT Pigtail Loom to be ordered separately)	
Mounting	Pendant and upright mounting	
Protection	Overheating and reverse polarity protection	
Protection class	IP 6K9K, IP 6K8	
Type approval	E ECE-R10	
Weight	1.040 g	
Spare Part	8KB 990 299-011 DT Pigtail Loom, 2 metres	



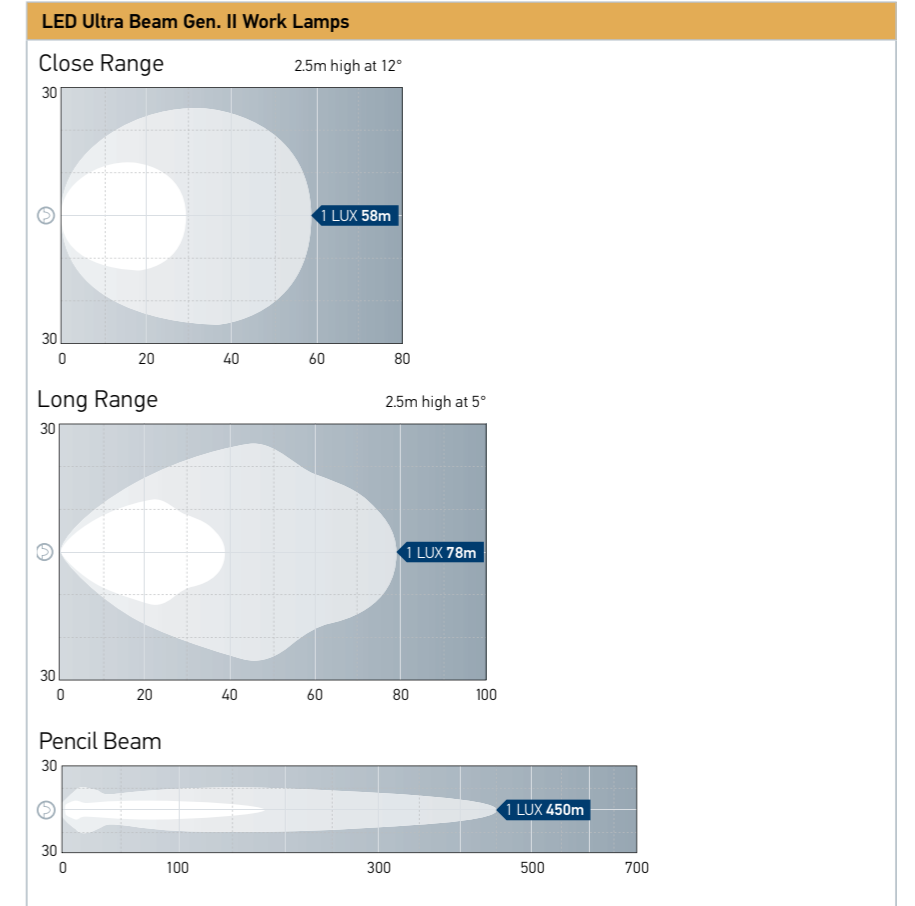
1GA 995 606-001 - Close Range



1GA 995 606-011 - Long Range



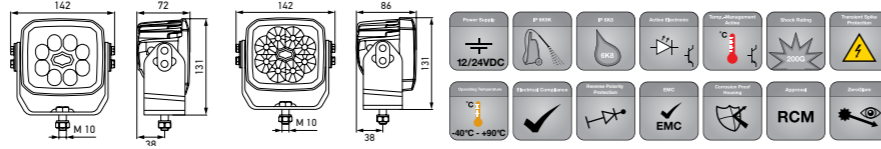
1GA 995 606-021 - Pencil Beam



RokLUME 280N G2

RokLUME 280N GEN 2 is a high output LED work lamp specifically built for mining with a heavy duty stainless steel bracket and corrosion resistant NanoSafe coating. The variant ZEROGLARE has been designed with a new reflector and optical system which improves its illumination. This means its innovative light system creates a sharp horizontal cut-off line at 0° to control the light onto the ground in front of the vehicle. The cut-off line eliminates the danger caused by glaring light coming into contact with the eyes of oncoming drivers.

- Reduced Power consumption
- Increased light output
- Increased temperature range tolerance



Part No.	Lens Type	Colour
1GA 995 706-521	ZEROGLARE	White
1GA 995 706-501	Close Range	White
1GA 995 706-531	Pencil Beam	White
1GA 995 706-511	Long Range	White
1GA 995 706-551	Tunnel Flood	White
1GA 995 706-541	Diffused Flood	White

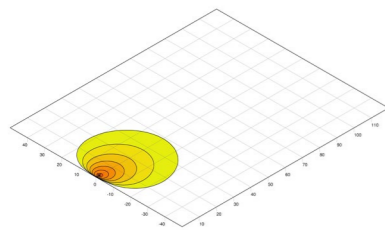
Lens Material	Hard-coated PC
Mounting	Upright, Wall or Pendant
Housing	Aluminium with NanoSafe coating
Voltage	Multivolt 9-33V DC
Power Consumption	50W Max
Actual Light Output	Up to 5000 Lumens
IP Rating	IP 6K9K, IP 6K8
Operating Temperature	-40°C to 90°C
LED Colour Temperature	5000 K
Connection	Integrated 2 Pin Deutsch plug
Weight	1,476 g
EMC Interference Immunity	ECE-R10, CISPR 25 Class 5,



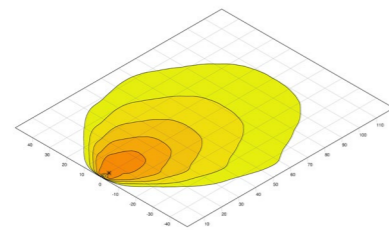
ZEROGLARE version



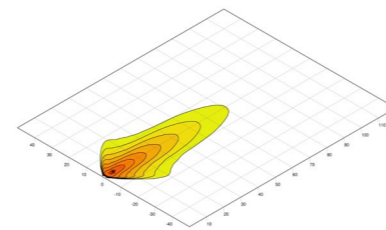
Long Range version



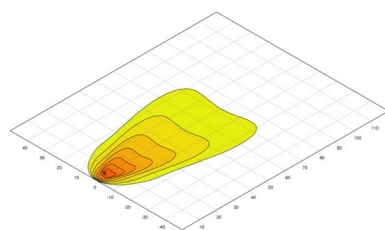
Diffused flood illumination



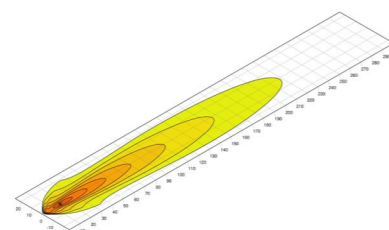
Close range illumination



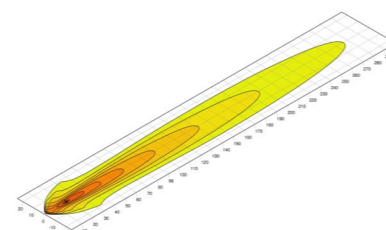
ZEROGLARE illumination



Tunnel flood illumination



Long range illumination



Pencil beam illumination

RokLUME 380N ZEROGLARE

OPEN REFLECTOR DESIGN

More airflow for high performance heat dissipation

PATENTED REFLECTOR DESIGN

More airflow for high performance heat dissipation

IMPACT RESISTANT LENS

Hard coated PC lens

ROBUST HOUSING

Die-cast aluminium housing with corrosion resistant NanoSafe coating

HEAVY DUTY BRACKET

Withstands the highest vibration requirements



The innovative ZEROGLARE optical system ensures all emitted light is only directed below the horizontal plane where it is needed and not into oncoming operators' field of vision. Visit hellazeroglare.com for more information.



Sharp cut off beam for reduced glare. Excellent for use in foggy or dusty conditions.

Click for video

Scan code for video on ZEROGLARE:



Traditional Lighting



VS

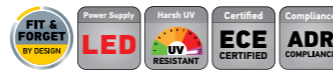
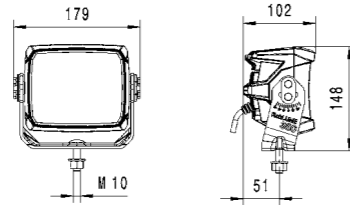


RokLUME 380N

RokLUME 380N work lamp is particularly suited for extreme operating conditions, for example in the mining sector, due to its outstanding light output and robust design.

With up to 7,800 lumens of light output, the work area is extremely well illuminated. The RokLUME 380N is available with five different light distributions, offering high flexibility for all requirements. In addition to variants for close-range and long-range illumination, it is also available as extra-wide and pencil beam illumination. A variant with the innovative ZEROGLARE illumination with a new reflector design and optical system is also available, which effectively prevents the glare of oncoming drivers through special light control.

Thanks to the robust die-cast aluminium housing with NanoSafe coating, the impact-resistant plastic cover lens, and the absolute dust and water tightness, the work lamp can withstand even extreme operating conditions.



Part No.	Lens Type	Colour
1GA 996 197-261	ZEROGLARE	White
1GA 996 197-011	Close Range	White
1GA 996 197-021	Long Range	White
1GA 996 197-041	Pencil Beam	White
1GA 996 197-031	Flood	White

Operating voltage range	Single-voltage (20-32V)
Rated voltage	24 V
Current consumption	Ø 3.2 A, max. 4.5 A**
Power Consumption	Ø 75 W, max. 84 W**
Light output (warm)	Up to 7,800 lm
Light source	LED
Colour temperature	5,000 K
Material	Housing: die-cast aluminium, NanoSafe coating Cover lens: hard-coated plastic Bracket: stainless steel
Weight	2,200 g
Temperature range	- 40 °C to + 85 °C
Protection class	IP 6K9K, IP 6K7
Approved	ECE-R10
Compliant	RCM, CISPR 25, Class 4
Protection	Polarity reversal protection, overheating protection
Salt spray resistance	1,200 h acc. to DIN EN ISO 9227
Mounting	Upright and pendant mounting
Connection	300 mm cable with DEUTSCH DT connector 2-pin, DEUTSCH DT counterpart 2-pin enclosed



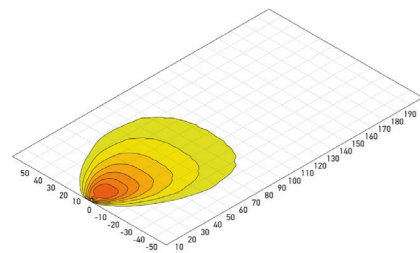
ZEROGLARE version



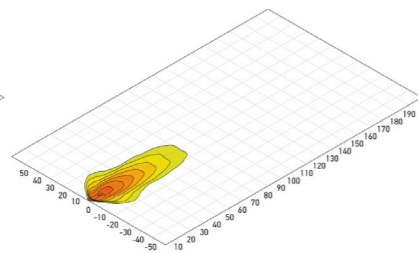
Pencil Beam version

* Warm measured at 13.2 V after 30 minutes of operation.

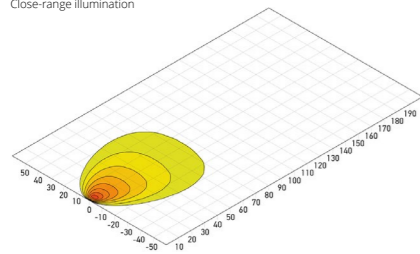
** Warm measured at 28 V after 30 minutes of operation.



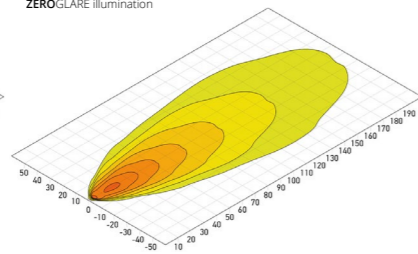
Close-range illumination



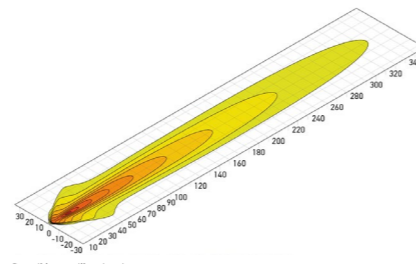
ZEROGLARE illumination



Extra-wide illumination



Long-range illumination



Pencil beam illumination

RokLUME 280N SMART

The adaptation expert for improved visibility & safety

- Intelligent work lamp with smart features enabling easy adjustment to different weather, driving and lighting conditions
- Ensure the highest possible visibility in a range of environments including dust, snow, rain or fog
- Available in six different illumination variants and amber or green colour change options
- Fast and easy installation
- For the toughest industries in the world

Dimming

Helps reduce output during the day or to reduce glare at night

Colour temperature change

Reduces eye strain and fatigue by adjusting to daylight conditions

Colour change

Assists in poor visibility (snow, fog, dust) to create safe operating environments

Memory

Stores the different settings into 3 available memories

Anti-theft protection

Once activated the lamp won't work on any other vehicle (unless has SMART setup)

Lifetime management

Notifies the operator if the lamp is near end of life, helping to reduce downtime



Standard work lamp RokLUME 280N

- The classic work lamp with LED technology
- Even higher light output – better than xenon performance
- For universal use

EASY CHANGE (1:1 CHANGE)

Same dimensions
No additional wiring harness
No change in wiring architecture



SMART work lamp RokLUME 280N SMART

- The classic work lamp with LED technology
- Even higher light output – better than xenon performance
- For universal use
- With SMART functions

SMART FUNCTIONS

DIMMING

CHANGE COLOUR TEMPERATURE

CHANGE COLOUR

WORK LAMPS

WORK LAMPS

Click for video

RokLUME 280N SMART

Featuring ground-breaking technology, the colour temperature of the RokLUME 280N SMART can be adjusted to provide optimum visibility in different weather or driving conditions. In addition, the intelligent work lamp is equipped with a dimming function to reduce both blinding the operator and oncoming vehicles.

For easy conversion, the RokLUME 280N SMART has the same dimensions as the standard RokLUME 280N work lamp and also has a 2-pole Deutsch DT plug.

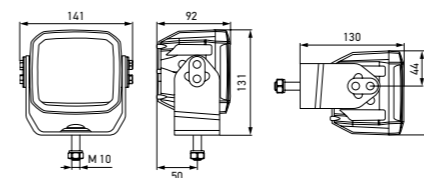
It is available in six different light distribution variants: with Diffuse Flood, Close Range, Long Range, Pencil Beam, Tunnel Flood or ZEROGLARE illumination.



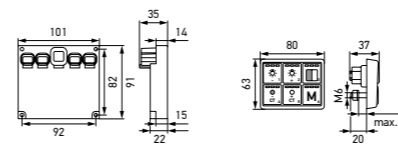
ZEROGLARE version



Long Range version

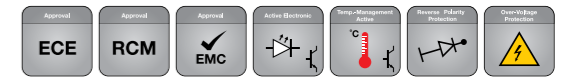


RokLUME 280N SMART



Gateway Base / Prime

HELLA control panel



Part No.	Lens Type	Colour
1GA 995 707-401	Close Range	White to Green
1GA 995 707-411	Long Range	White to Green
1GA 995 707-421	ZEROGLARE	White to Green
1GA 995 707-431	Pencil Beam	White to Green
1GA 995 707-441	Diffuse Flood	White to Green
1GA 995 707-451	Tunnel Flood	White to Green
1GA 995 707-551	Close Range	White to Amber
1GA 995 707-561	Long Range	White to Amber
1GA 995 707-571	ZEROGLARE	White to Amber
1GA 995 707-581	Pencil Beam	White to Amber
1GA 995 707-591	Diffuse Flood	White to Amber
1GA 995 707-601	Tunnel Flood	White to Amber

Operating voltage	Single-voltage (18 – 32 V)
Rated voltage	24 V
Current consumption	Ø 2.35 A (24 V)
Power Consumption	Ø 56 W max. 57 W
Light Output	Up to 3,100 lm
Light source	LED
Colour temperature	3,000 K to 6,800 K
Material	Housing: die-cast aluminium Cover lens: hard-coated plastic
Weight	1.597 g / 1.584 g (ZEROGLARE)
Temperature range	- 40 °C to + 90 °C (overheat protected)
Degree of protection	Work lamp: IP 6K8, IP 6K9K Gateway Base/ Prime: IP 6K8, IP 6K9K HELLA control panel: IP 6K7
Type approval	UKCA, ECE-R10
EMC protection	CISPR 25
Salt spray resistance	1,200 h as per DIN EN ISO 9227
Mounting	Upright, pendant and horizontal
Connection	DEUTSCH DT 2 pin connector DEUTSCH DT 2 pin counterpart included
Type approval	3CE, UKCA, ECE-R10 RCM, CISPR25

INDIVIDUAL PARTS FOR THE SET-UP

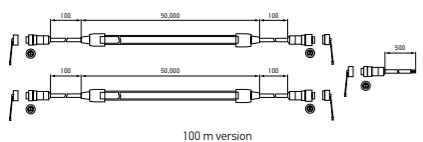
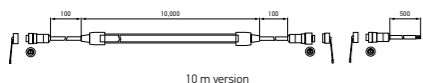
Product image	Description	Additional information	Part number
	Gateway Base	Control of the intelligent work lamps	9SX 333 522-001
	Gateway Prime	Control of the intelligent work lamps, cornering light function possible	9SX 333 523-001
	HELLA control panel	Setting the colour temperature, the light colour (if applicable), the brightness level and the memory function	9SX 333 525-001
	Wiring harness	Connection from the HELLA control panel to the gateway and from the gateway to the fuse box*	8KB 333 557-001

* The wiring harness from the gateway to the fuse box must be shortened to the correct length. The wiring harness must not be laid in loops!

www.hella.com Click to learn more

FlexaTec

The new flexible LED light strip from HELLA for industrial applications ensures homogenous illumination of the working environment. Installation is easy, thanks to the specially designed clips. FlexaTec can be combined to a length of up to 80 or 100 metres depending on the country.



[Click for video](#)

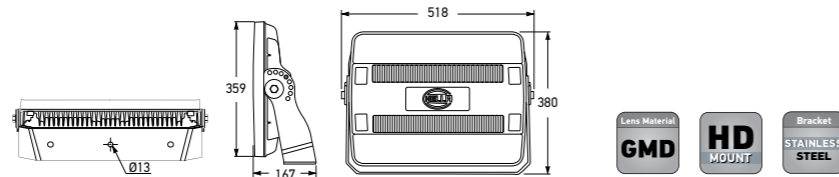
Part No.	Length	Rated Voltage	Colour
1GJ 995 181-101	5m	23V AC	White
1GJ 995 181-201	10m		White
1GJ 995 181-601	100m		White
1GJ 995 181-111	5m		Red
1GJ 995 181-211	10m		Red
1GJ 995 181-121	5m		Green
1GJ 995 181-221	10m		Green
Material	PVC (flammability class V0)		
Mounting	Quick fastening via specially designed clips (included in the delivery)		
Power Consumption	15 W / m		
Light Output	1,500 lm / m		
IP Rating	IP 6K7		
Operating Temperature	-20 °C to +40 °C		
LED Colour Temperature	5,000 K		
Connection	Cable with open ends		
Type Approval	(IEC 60598-2-1:1979/AMD1:1987; IEC 60598-1:2014/AMD1:2017)		

Spare parts*
9XD 990 181-011 Spare parts set 230 V AC version
 * Spare parts sets include fastening clips, end cap and connecting cable.



HypaLUME 24/48V DC LED Flood Light - Heavy Duty

The HypaLUME 24/48V DC has been designed for applications where high output lighting in extreme environments is required. The lamp produces a net output of **25000 lumens** whilst consuming less than **260W**. Comprehensive sealing and anti-corrosion measures have been taken to ensure this lamp withstands the toughest conditions. The premium aluminium housing is corrosion resistant with a non-stick and easy to clean surface coating. The LEDs have a colour temperature of **5700K** to provide a near daylight work environment that is optimal for fatigue avoidance and high alertness. The LED driver electronics ensure light output remains stable over a wide range of voltage variations. The HypaLUME is also protected from reverse polarity and short circuit faults.

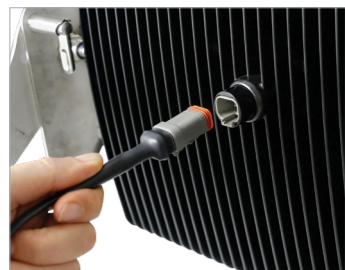


1GJ 011 872-501 HMF2000CMOB	CLOSE RANGE	WHITE
1GJ 011 872-511 HMF2000LMOB	LONG RANGE	WHITE
1GJ 011 872-521 HMF2000WMOB	EXTRA WIDE	WHITE
1GJ 011 872-601	CLOSE RANGE	AMBER

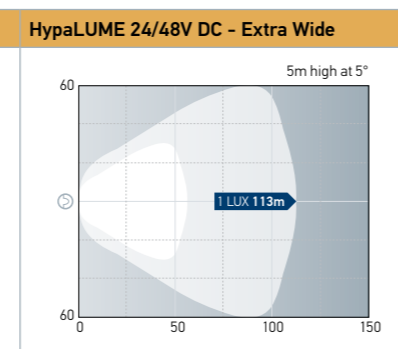
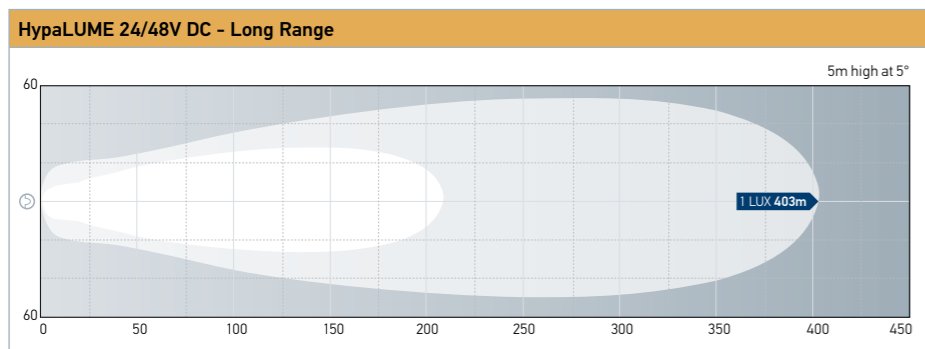
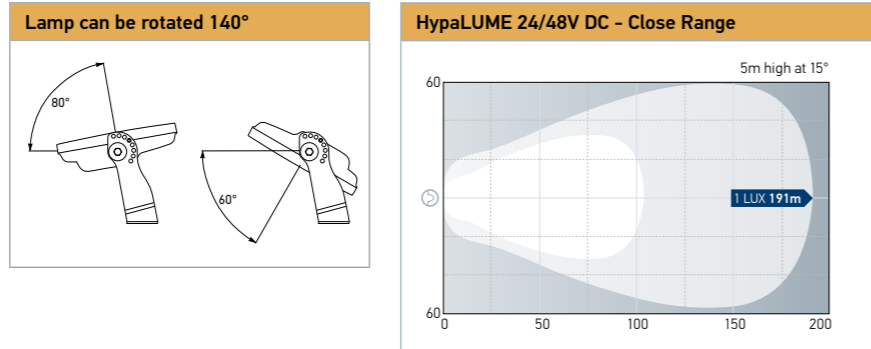
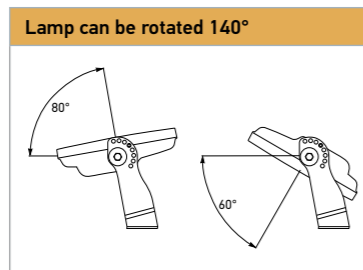
Mounting	Upright or Pendant
Voltage	Optimum brightness at input voltages from 22 to 52 volts
Power Consumption	260W max. (10A @ 24V DC)
Actual Light Output	25000 lumens
Operating Temperature Range	-40°C to +50°C
LED Colour Temperature	5700 K
Protection	Reverse polarity, transient spike and over voltage protection IP 6K9K (Fully sealed against dust and high-pressure/steam jet cleaning) Advanced thermal management
Cable Length	Supplied with 1.8m of easy plug-in sheathed cable
Connection	4 Pin Deutsch plug
Lens Material	High impact and chemical resistant Nylon (PA12) lens
Compliance	CE FC ISO 13766 CISPR25



Locking mechanism Rear view Side view Front View

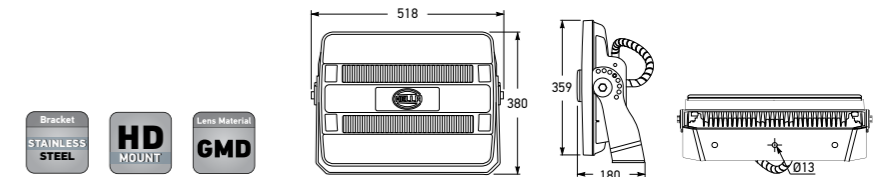


1.8m Fly Lead is Included



HypaLUME 110/230V AC LED Flood Light - Heavy Duty

The HypaLUME 110/230V AC has been designed for applications where high output lighting in extreme environments is required. The lamp produces a net output of **28000 lumens** at a voltage input range of **100-240V AC** whilst only consuming **300W**. Comprehensive sealing and anti-corrosion measures have been taken to ensure this lamp withstands the toughest conditions. The premium aluminium housing is corrosion resistant with a non-stick and easy to clean surface coating. The LEDs have a colour temperature of **5700K** to provide a near daylight work environment that is optimal for fatigue avoidance and high alertness.



1GJ 958 334-011	CLOSE RANGE	WHITE
1GJ 958 334-021	LONG RANGE	WHITE
1GJ 958 334-031	EXTRA WIDE	WHITE

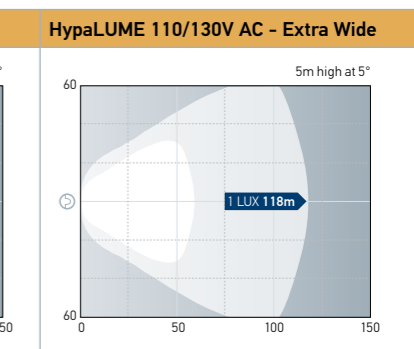
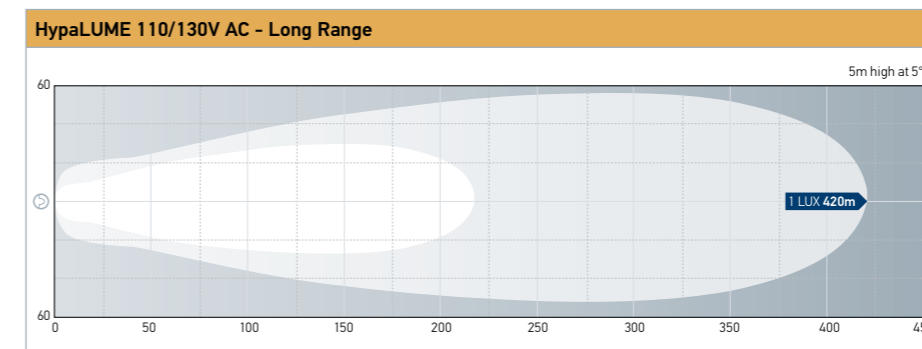
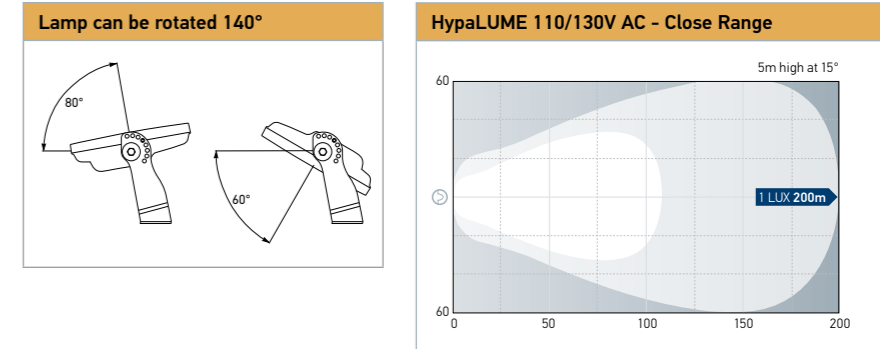
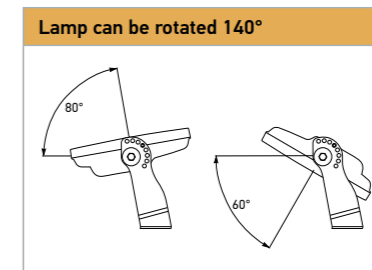
Mounting	Upright or Pendant
Voltage	Optimum brightness at input voltages from 100 to 240V AC
Power Consumption	300W max.
Actual Light Output	28000 lumens
Operating Temperature Range	-40°C to +50°C
LED Colour Temperature	5700 K
Protection	IP 66 (Protection against dust and high-pressure water jets) IP 67 (Protection against dust and temporary water immersion) Advanced thermal management
Cable Length	Supplied with 2.0m of easy plug-in sheathed cable
Connection	Wieland RST Mini - 16A
Lens Material	High impact and chemical resistant Nylon (PA12) lens
Compliance	AS/NZS 60598.2.5 CE FC



Front view Side view Rear view Locking mechanism



Supplied with 2.0m of easy plug-in sheathed cable.



Oval 100 S-series

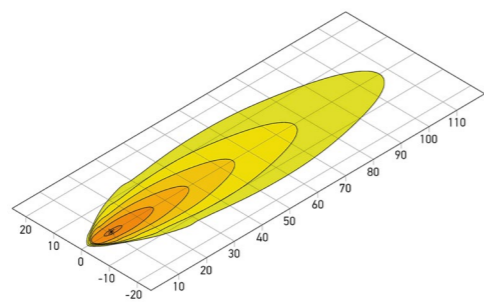
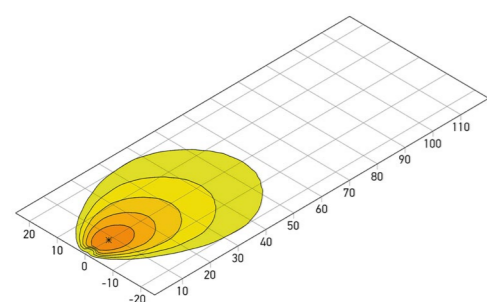
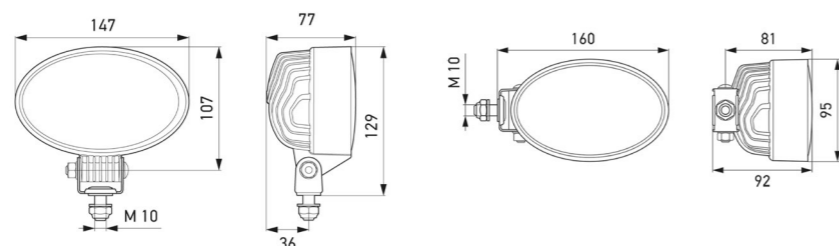
The new Oval 100 S-series from FORVIA HELLA sets new standards in the field of LED work lamps. This high-quality lamp offers an optimum combination of outstanding quality and high efficiency and is perfect for various off-road traffic applications.

The work lamp is versatile thanks to the oval design and slim construction, whether for equipping or converting various special vehicles. This makes it easier to switch from halogen to modern LED technology.

The Oval 100 S-series LED work lamps are impressive due to their long lifetime and exceptional efficiency thanks to their outstanding lumen/watt output.



1G0 996 861-001	Upright and pendant mounting	CLOSE RANGE
1G0 996 861-011	Upright and pendant mounting	LONG RANGE
1G0 996 861-031	Side mount - Left	CLOSE RANGE
1G0 996 861-051	Side mount - Left	LONG RANGE
1G0 996 861-041	Side mount - Right	CLOSE RANGE
1G0 996 861-061	Side mount - Right	LONG RANGE
Operating voltage range	Multi-voltage (9-32 V)	
Rated voltage	12 V and 24 V	
Current Consumption	12 V: Ø 1.29 A* 24 V: Ø 0.61 A**	
Power consumption	12 V: Ø 17 W* 24 V: Ø 17 W**	
Light output (warm)	Ø 1,850 lm	
Light source	LED	
Colour temperature	6,500 K	
Material	Housing: heat conductive plastic Cover lens: impact-resistant plastic	
Weight	420 g	
Temperature range	-40 °C to +85 °C (overheating protection)	
Protection class	IP 6K7, IP 6K9K	
Type approval	ECE-R10	
EMC protection	RCM, CISPR 25 Class 5 (12 V) and Class 4 (24 V)	
Protection	Polarity reversal protection, overvoltage protection	
Mounting	Upright and pendant mounting or lateral mounting	
Connection	DEUTSCH DT connector, 2-pin	



lux >= 0 1 2 4 8 16 32 64 128 192 256

lux >= 0 1 2 4 8 16 32 64 128 192 256

Oval 100 LED Gen. II Work Lamps

High quality aluminium housing and nylon (PA12) lens. Features 8 x high power LEDs (6500K) providing 4000 lumens.



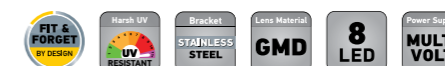
1GA 996 761-001



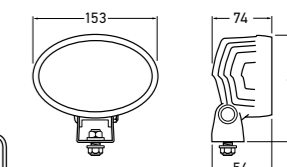
1GA 996 761-011



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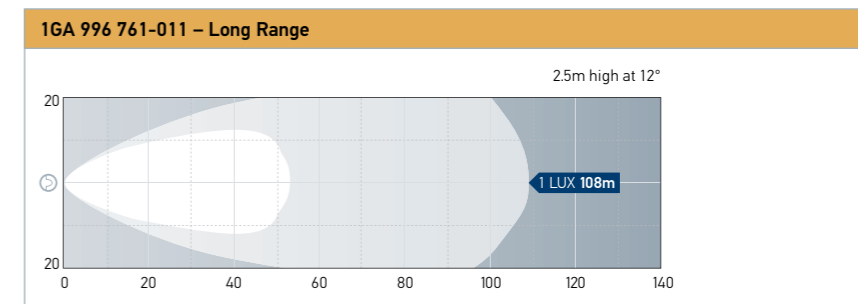
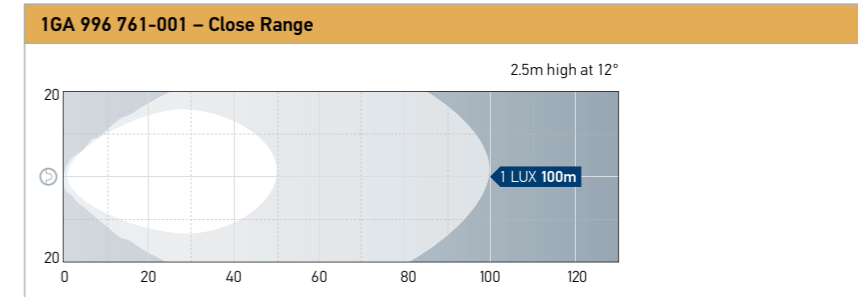


DT Socket



All dimensions in mm.

1GA 996 761-001	1558LED	CLOSE RANGE
1GA 996 761-011	1558LEDLR	LONG RANGE
Mounting	Upright or Pendant	
Voltage	Multivolt™ 9-33V DC	
Power Consumption	56W (12V DC) 54W (24V DC)	
Max. Light Output	4000 lumens	
Protection	IP6K9K and IP6K8, reverse polarity protection, surge protection, overheating protection	
Cable Length	Integrated DT Socket (Optional 2.0 metre DT Pigtail Loom to be ordered separately)	
Housing	Aluminium	
Lens Material	Polycarbonate	
Spare Part	8KB 990 299-011	DT Pigtail Loom, 2 metres
Accessory	9.1517.08	Universal Pedestal Mount ⓘ
Compliance		

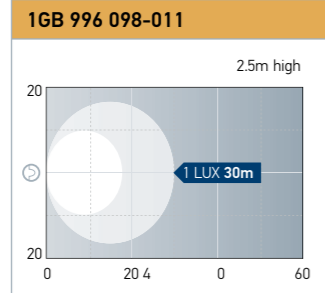
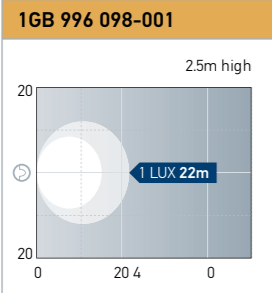


FMS

The FMS is the ideal work lamp for flat mounting on the vehicle wall and integrates itself perfectly into the appearance of the vehicle. The special design of this work lamp ensures a great ground illumination, even with a vertical wall mounting.

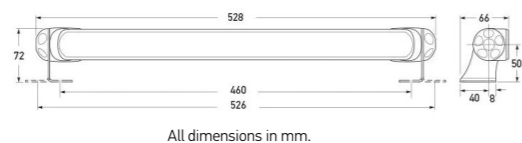


Base	Prime	Illumination	Housing Colour
1GB 996 098-001	1GB 996 098-011	Close Range	Black
1GB 996 098-501	1GB 996 098-511	Close Range	White
Housing	Housing: die-cast aluminium, CoroSafe coating		
Voltage	Multi-voltage (9–32 V)		
Power Consumption	Base: 14 W Prime: 28 W		
Actual Light Output	Base: 1,200 lm Prime: 2,500 lm		
IP Rating	IP 6K8, IP 6K9K		
Operating Temperature	-40 °C to +50 °C		
LED Colour Temperature	6,500 K		
Connection	500 mm cable		



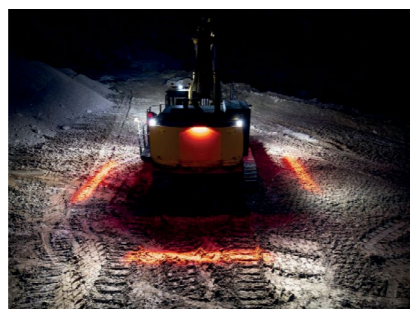
BL 470 Red LED Warning Lamp

BL470 Red LED warning lamp is fitted with the VISIOTECH technology. A special lens optic allows the light to converge and become so sharply focused that a strip-shaped warning line is projected onto the ground to create a no-go zone.



2XD 958 130-661	SPOT BEAM
Lens	Grilamid Nylon PA12
Current Consumption	Multivolt™ 9-33 V DC
Power Consumption	36W Max
Protection	Reverse polarity and transient spike protection IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)
Operating Temperature	-40°C to 60°C
Cable Length	Pre-wired with 2.5m of tinned multi-core cable
Accessories	8HG 958 128-811 Double stainless steel mounting feet (one pair)
EMC Interference Immunity	ECE-R10, CISPR 25 Class 5

Click for video



BL350 LED Work Lamp

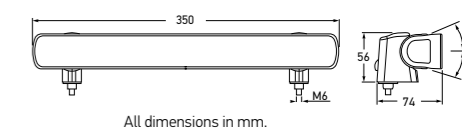
The BL350 LED Work Lamp incorporates the latest technology to offer a powerful, durable lighting solution for a multitude of applications.

Featuring energy efficient Multivolt™ technology, this Work Lamp will appeal to applications where energy efficiency and reliability are a must. These lamps offer a formidable net light output of **2200 lumens**.

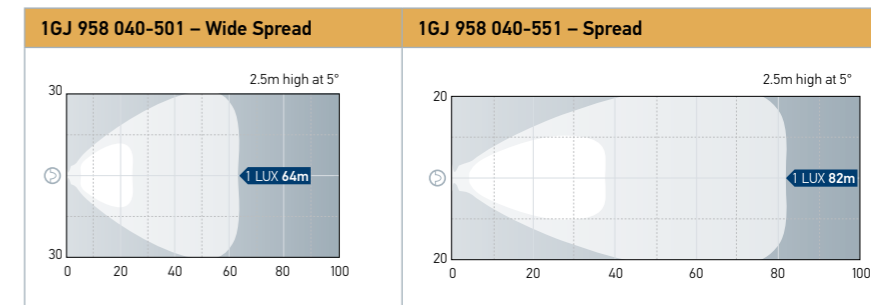
Designed with Fit and Forget durability in mind, the BL350 LED Work Lamp features a highly impact-resistant lens made of nylon (PA12), a crystal clear polyamide with superior tolerance to chemical and long-term harsh UV exposure, as well as a technologically advanced thermally conductive non-metal housing.



1GJ 958 040-501



1GJ 958 040-501	WIDE SPREAD
1GJ 958 040-551	SPREAD
Mounting	Upright or Pendant
Voltage	Multivolt™ 9-33V DC
Power Consumption	25W
Max. Light Output	2200 lumens
Protection	Reverse polarity and voltage spike protection IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)
Cable Length	BL350 2.5 metres of tinned multi-core cable
Housing	Thermally Conductive Plastic
Lens Material	Nylon (PA12)
Compliance	

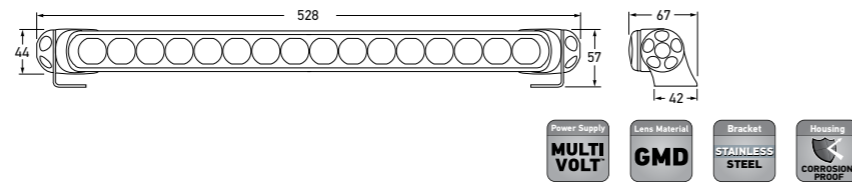


**LED Light Bar 470
- Combi Lamp HD Bracket**

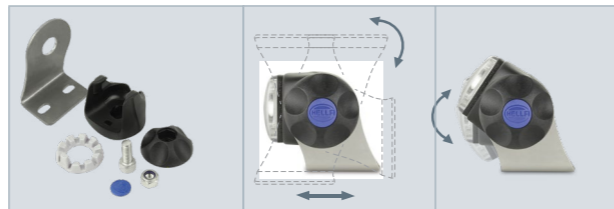
The LED Light Bar 470 Combi is a unique work lamp offering three light options: close range, long range or combined - all in a single light bar. The lamp is a great addition to any Ute, ATV or off-road vehicle.

Only 1kg of weight means less stress on mounting locations, the low profile design will not restrict cooling airflow when fitted to the front of a vehicle - which can be a problem with larger lights. Don't be fooled by its size though, this light bar certainly punches above its weight with its long distance and spread light output. Multivolt™ circuitry means the lamp can be used with both 12V or 24V DC systems, whilst only consuming 36W. Any input between 9 to 33 volts will give optimum brightness.

The adjustable mounting system ensures for easy installation and flexibility for any orientation. Providing unmatched corrosion resistance due to an innovative thermally conductive polymer housing, and the toughness of a UV, chemical and impact resistant nylon (PA12) lens. The Combi Lamp is the natural choice when exceptional durability and long term reliability in demanding environments is needed.



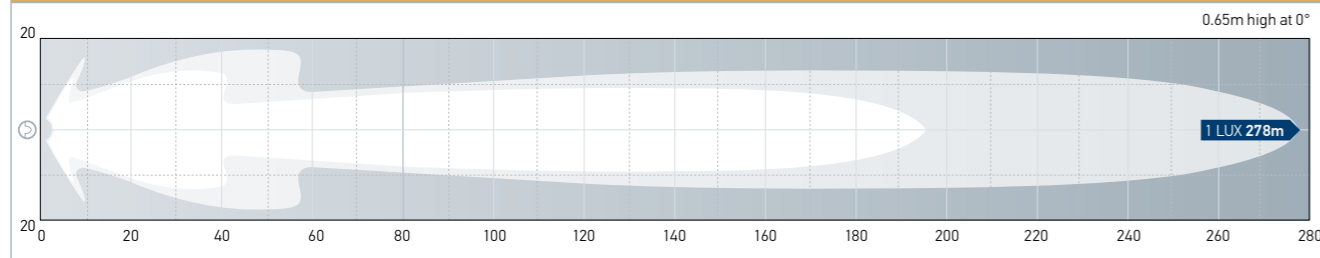
16J 958 130-431 1599HD - (Close Range and Long Range)		COMBI
Mounting	Upright or Pendant	
Voltage	Multivolt™ 9-33V DC	
Power Consumption	Combined: 36W	
	Close/Long Range: 18W	
Maximum Luminous Intensity	77,000 candela	
Max. Light Output	2200 lumens	
Protection	Reverse polarity and transient spike protection IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)	
Cable Length	Pre-wired with 2.5m of tinned multi-core cable	
Lens Material	High impact and chemical resistant Nylon (PA12) lens	
Accessories	8032 Number plate bracket light bar 470 - Single Lamp 8033 Number plate bracket light bar 470 - Twin lamp 8HG 958 128-811 HD double mount stainless steel feet (one pair) 8HG 958 139-071 HD single spare end bracket kit 8XS 958 337-021 LED Light Bar - Clear protective cover 8XS 958 337-031 LED Light Bar - Amber protective cover 8XS 958 337-111 LED Light Bar - Protective cover	
Compliance		
Contents	1 x LED Light Bar 470	2 x HD mounting brackets 1 x Instruction booklet



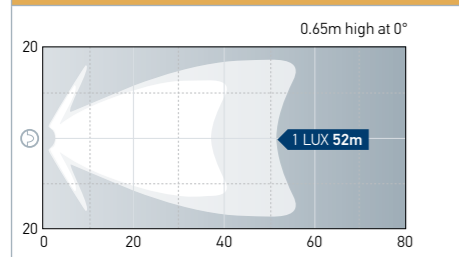
HD single mounting bracket - Disassembled view
Mounting brackets can be positioned to suit most vehicle installations.



Combi Light Bar 470 - Combined (Close Range and Long Range)



Combi Light Bar 470 - Close Range



Double Stainless Steel Mounting Feet



8HG 958 128-811- Suits 350 and 470 LED Light Bars

Includes Double Stainless Steel Mounting Feet (One pair) to suit LED Light Bar

Single Spare Bracket Kit



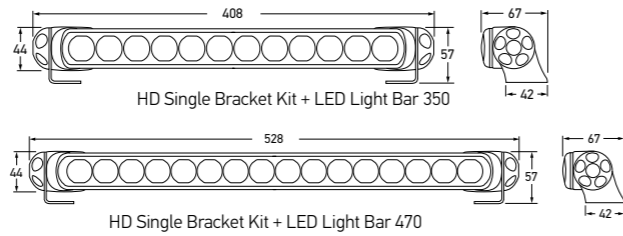
8HG 958 139-071
Single spare bracket for one end (no mounting feet)

8HG 958 139-071

Kit Includes
 1 x Stainless Steel M8 x 20mm Cap Screw
 1 x Stainless Steel M8 Nylon Lock Nut
 1 x End Adaptor
 1 x Friction Washer
 1 x End Clamp
 1 x Screw Cap

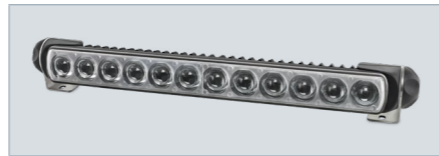
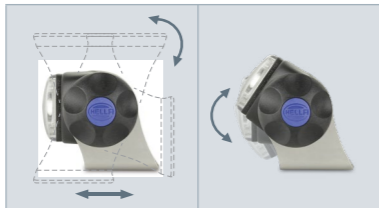
LED Light Bar
- HD Single Bracket Kit

These easy to install heavy bracket kits made to suit the LED Light Bar range and can be mounted upright or pendant to accommodate most vehicle installations. The smooth brackets simply clip onto the ends of the Light Bar. The nuts, bolts and mounting brackets are made from marine grade 316 stainless steel and come with anti-theft screw caps.



8HG 958 139-841

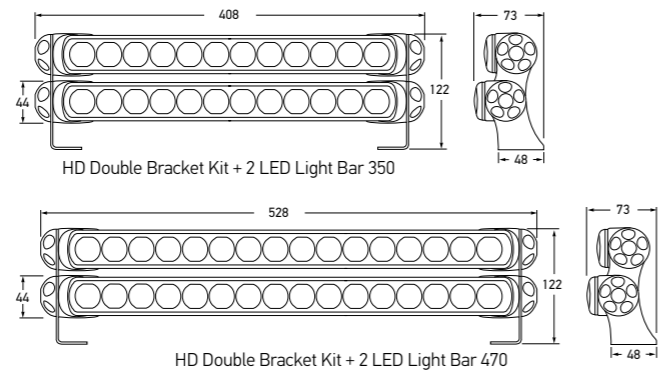
- | | | |
|--------------------------------------|---|--|
| Kit Contents:
(Lamp not included) | 2 x Stainless Steel Mounting Feet
2 x Stainless Steel M8 x 20mm Cap Screws
2 x Stainless Steel M8 Nylon Lock Nuts
2 x End Adaptors | 2 x Friction Washers
2 x End Clamps
2 x Screw Caps |
|--------------------------------------|---|--|



HD Single Bracket Kit + LED Light Bar 350

Mounting brackets can be positioned to suit most vehicle installations.

LED Light Bar
- HD Double Bracket Kit

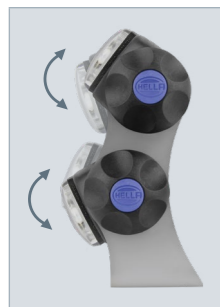


8HG 958 139-851

- | | | |
|---------------------------------------|--|--|
| Kit Contents:
(Lamps not included) | 2 x Stainless Steel Double Mounting Feet
4 x Stainless Steel M8 x 20mm Cap Screws
4 x Stainless Steel M8 Nylon Lock Nuts
4 x End Adaptors | 4 x Friction Washers
4 x End Clamps
4 x Screw Caps |
|---------------------------------------|--|--|



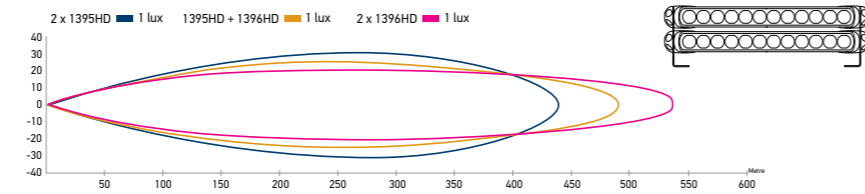
HD Double Bracket Kit + 2 x LED Light Bar 350



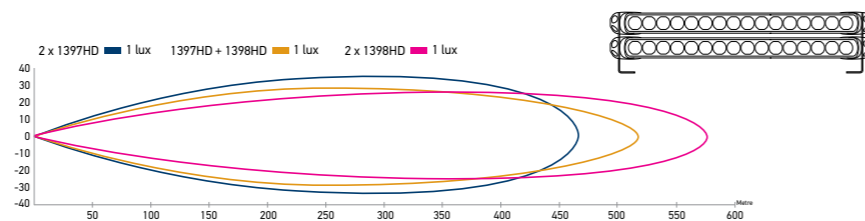
Mounting brackets allow rotation of Light Bar.

Beam Patterns - Beam distance (m)

LED LIGHT BAR 350



LED LIGHT BAR 470



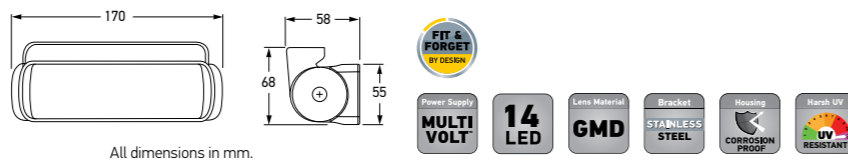
DuraLED® WL1300 LED Work Lamps – White

These lamps offer a formidable net light output of **1300 lumens**. Designed with Fit and Forget durability in mind, DuraLED® WL1300 features:

- Integrated dual intensity light output circuit;
- A high level of spike protection;
- **High impact-resistant nylon (PA12) lens** – a crystal clear polyamide with superior tolerance to chemical and UV exposure;
- Technologically advanced thermally conductive non-metal housing;
- Low profile stainless steel bracket for adjustable upright or pendant mounting.

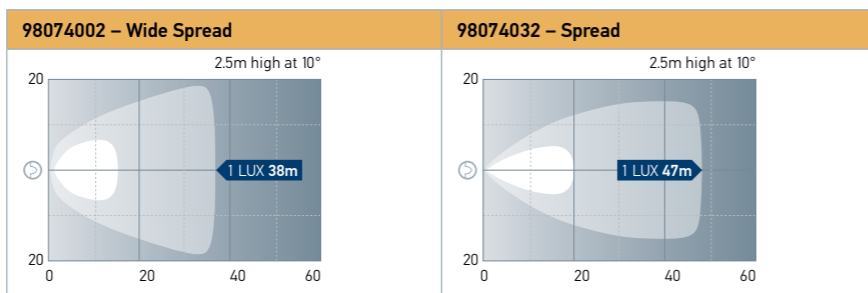


98074002



All dimensions in mm.

1GD 980 740-021 98074002	WIDE SPREAD
1GD 980 740-321 98074032	SPREAD
Mounting	Stainless-steel bracket for Upright or Pendant mounting
Voltage	Multivolt™ 9-33V DC
Power Consumption	High power 18W Low power 2W
Max. Light Output	1300 lumens
Protection	Reverse polarity protection, surge protection, overheating protection IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)
Cable Length	2.5 metres
Lens Material	Nylon (PA12)
Housing	Thermally Conductive Plastic
Compliance	

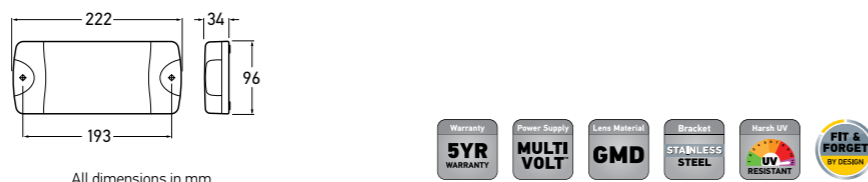


DuraLED® 1000 Spread Beam Work Lamp

The universal, high intensity and extremely energy efficient DuraLED® 1000 Spread Beam Work Lamp is rated at **1000 lumens**.

Magnets simply snap the light to any metallic surface and the lamp can be powered from cigarette lighter or DIN plug.

The lens is manufactured from ultra durable nylon (PA12), a revolutionary high performance clear polyamide for extreme impact, UV, chemical and stress resistance.



All dimensions in mm.

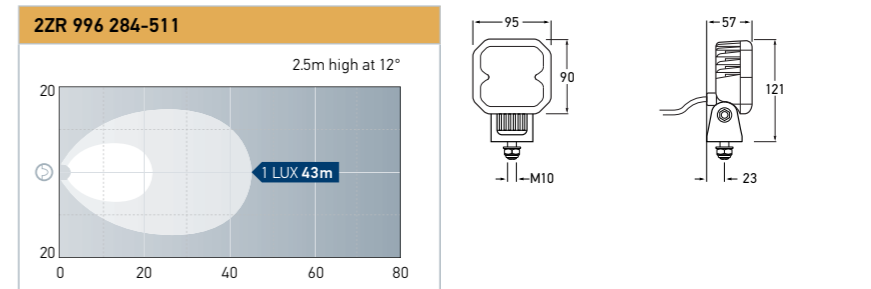
1GA 910 057-001 HM1550CIG	SPREAD BEAM
Mounting	Universal mounting via neodymium magnets
Voltage	Multivolt™ 9-33V DC
Power Consumption	< 12W
Max. Light Output	1000 lumens
Protection	IP 6K7 (Protection against dust and temporary water immersion)
Cable Length	1 metre extension cable extends to 8 metres
Lens Material	Nylon (PA12)
Compliance	

Q90 Compact LED Reversing Lamp ADR Compliant

Combining a strong light output with practical design, the Q90 compact LED is the ideal LED reversing Spot Lamp. **Four high-power LEDs** produce a light output of **1200 lumens**, which a reflector directs homogeneously across a wide area behind the vehicle. This reversing lamp is ideally suitable for mounting to the rear of the vehicle so that it can be manoeuvred safely even at night.



2ZR 996 284-511 1563LED-RE	
Voltage	Multivolt™ 9-33V DC
Power Consumption	15 W
Max. Light Output	1200 lumens
Colour Temperature	6500 K
Temperature Range	-40°C to 60°C
Protection	Overheating and reverse polarity protection
Protection Class	IP6K7, IP6K9K
Lens	Polycarbonate
Housing	Thermally Conductive Plastic
Cable Length	0.5m cable with DT connection
Mounting	Pendant and upright mounting
Compliance	(E) ECE-R10, ECE-R23, (E) 00 4576,

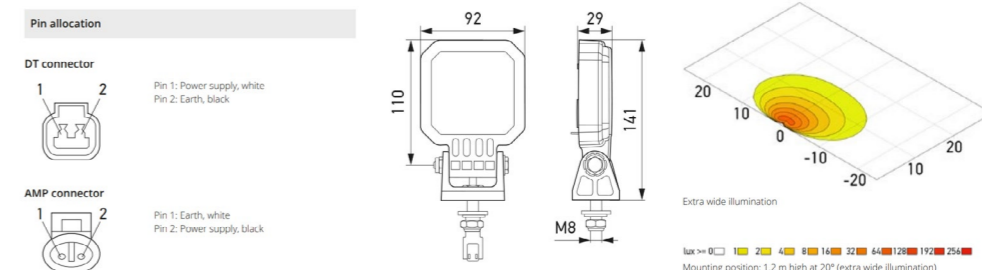


Q110R Compact LED Reversing Lamp ADR Compliant

combines elegant design with high functionality and is ideal for applications where optimal illumination of the rear manoeuvring area is required. Thanks to its compact design and the strong light output of 1,150 lumens at only 11 watts, it is particularly energy-efficient and powerful.

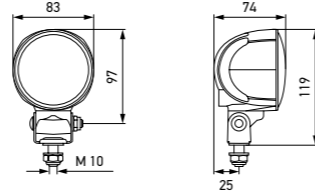


2ZR 996 285-501	
Voltage	Multivolt™ 10-32V DC
Power consumption	11 W
Max. Light output	1150 lumens
Colour Temperature	5700 K
Temperature Range	-40°C to 85°C
Protection	Overheating and reverse polarity protection
Protection Class	IP6k&, IP6K9K
Lens	Polycarbonate
Housing	Thermally Conductive Plastic
Cable Length	1.0 Metre with DT
Mounting	Pendant and upright mounting
Compliance	(E1) ECE-R10, ECE R148, (E1) 02 0519, ADR 1/00



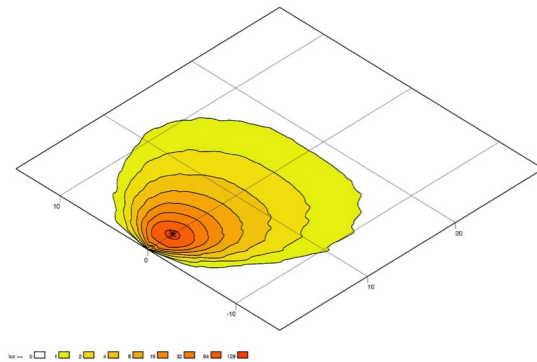
Module 70 LED Gen. 3.2 Compact

The new Module 70 LED was developed especially for withstanding the tough conditions of a rear Driving Lamp. The low mounting position on rear bumpers requires a high water, salt spray and impact resistance.



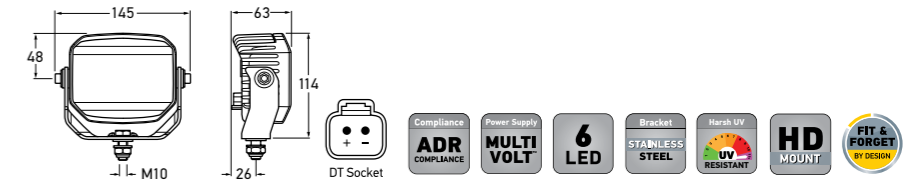
2ZR 996 576-621

Operating voltage / rated voltage	9-32 V 9-32V DC
Light source type	LED
Power consumption	13 W
Light output	1500 lumens
Colour temperature	Worklamp: 6,500 K Reverse lamp: 5,000 K
Lighting Source	3 High Power LEDs
Protection class	IP 6K9K, IP 6K8
Type approval	ECE-R10, ECE-R23 (reverse lamp)
Housing	Heat conductive plastic
Protection	Overheating and polarity reversal protection
Mounting	Upright, pendant
Bracket width	36 mm metal bracket
Weight	~ 420 g



Power Beam 1000 Reversing Lamp, ADR Compliant

Combining a strong light output with practical design, the Power Beam 1000 is the ideal LED Reversing Spot Lamp. This lamp was designed with compact dimensions and a flexible surrounding bracket so that it could be used anywhere.

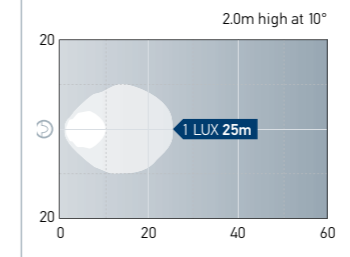


2ZR 996 188-121 1551LED-RE

Operating voltage/ Rated voltage	Multivolt™ 9-33V DC
Recommended angle of inclination	25°
Light source type	6 high-power LEDs
Power consumption	14 W
Light output	850 lm
Colour temperature	6500 K
Protection class	IP 6K9K and IP 6K8
Compliance	ECE-R10, ECE-R23, ADR 1/00
Housing	Aluminium, CoroSafe, powder-coated grey
Lens	Nylon
Cable Length	Integrated DT Socket (Optional 2 metre DT Pigtail Loom to be ordered separately)
Spare Part	8KB 990 299-011 DT Pigtail Loom, 2 metres

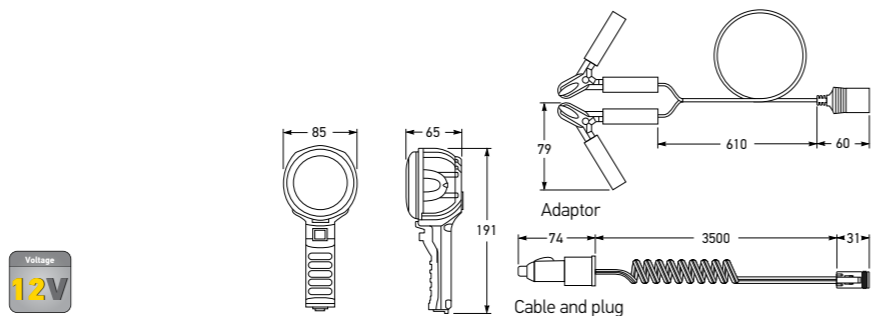


2ZR 996 188-121

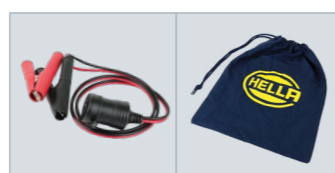
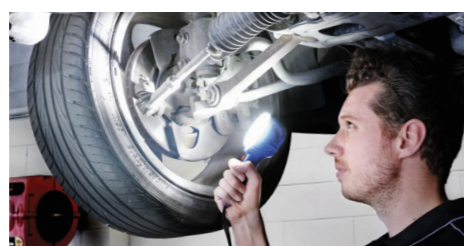


LED Hand Held Spot Lamps

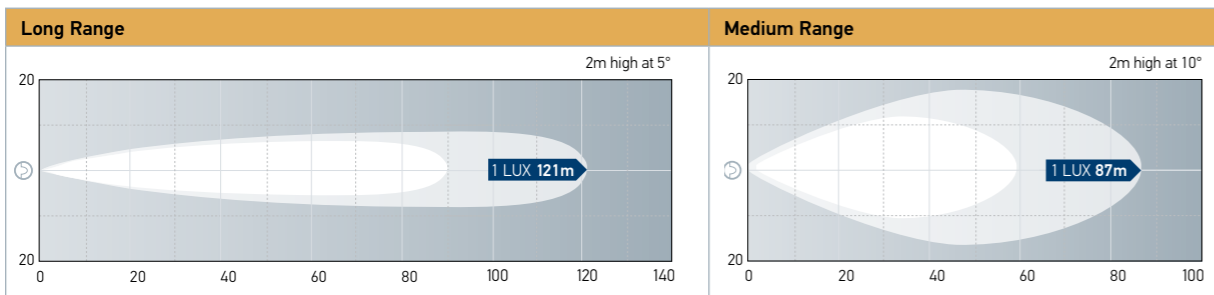
The LED hand held spot lamp only uses 1/3 of the power consumption of the 1520. It has a compact size and light weight, and is comfortable to hold even for long periods. The LED Spot Lamp comes with a spiral plug-in cable (which can stretch up to 3.5m) and a DT connector, which allows a custom cable to be fitted to suit your own requirements.



2XM 958 372-001	1520LED	LONG RANGE
2XM 958 373-001	1521LED	MEDIUM RANGE
Voltage	10-16 V	
Power Consumption	35W	
Light Output	1350 lumens	
Compliance		

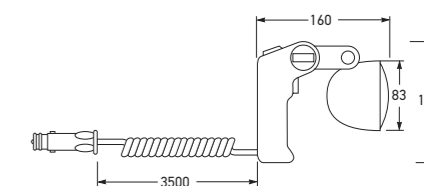


Battery clips to power socket adaptor (supplied)
HELLA Bag (supplied)



Module 70 Gen. IV LED Hand Held Search Lamps

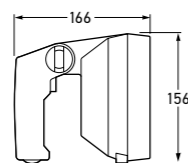
Compact, heavy duty Twin Beam Hand-Held Search Lamp with twin Free-Form (FF) reflector for close-range and powerful 100W long range beam. Handgrip with two independent on/off switches. Spiral cable (extendable to 3.5m) with plug for cigarette lighter and DIN/ISO sockets.



1H0 996 476-502	LONG RANGE
1H0 996 476-512	CLOSE RANGE
Voltage	Multivolt™ 12-24V DC
Power Consumption	30W
Light Output	2500 lumens
Housing	Premium CoroSafe coating
Cable	Spiral cable with cigarette lighter plug (extended length 3500mm)
Protection	IP6K9K, IP6K8
Compliance	

Halogen FF Twin Beam Hand-Held Search Lamp – 12V

Compact, heavy duty Twin Beam Hand-Held Search Lamp with twin Free-Form (FF) reflector for close-range and powerful 100W long range beam. Handgrip with two independent on/off switches. Spiral cable (extendable to 3.5m) with plug for cigarette lighter and DIN/ISO sockets.



All dimensions in mm.



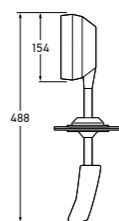
1H5 998 502-001 2862	
Mounting	Suitable for mounting on flat surfaces in conjunction with mounting base Part No. 9.2862.08
Voltage	12V (globes included)
Power Consumption	1 x 55W 1 x 100W
Globe to suit	2 x 12V H3 (1 x YC1255, 1 x YC12100) 2 x 24V H3 (1 x YC2470, 1 x YC24100)
Protection	Sealed against dust and moisture to IPX6K
Spare Parts	9.2862.01 Insert 9.2862.03 Plug Assembly
Accessory	8HG 998 519-001 Mounting Base (optional) ①



① 9.2862.08

Halogen FF Twin Beam Search Lamp – Manual Control 12V

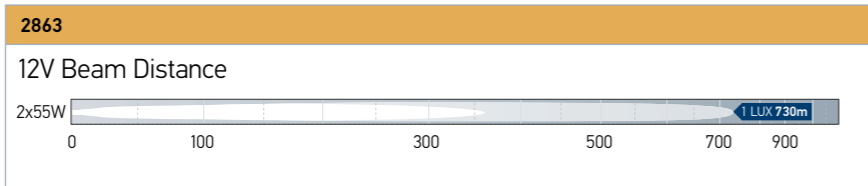
Compact Search Lamp for installation into vehicle roof. Twin Free-Form (FF) reflector system and handgrip with integrated on/off switch. 360° horizontal rotation and 30° vertical tilt.



All dimensions in mm.

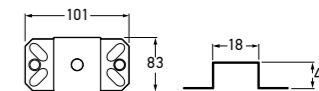


1H5 998 502-021 2863	
Voltage	12V (globes included)
Power Consumption	2 x 55W
Globe to suit	2 x 12V H3 (YC1255) 2 x 24V H3 (YC2470)
Protection	Sealed against dust and moisture to IPX6K
Spare Parts	9.2862.01 Insert



Pedestal Mounting Bracket – Universal

Universal stainless-steel Pedestal Bracket for four-point mounting. Suitable for use with all of HELLA Work Lamps.



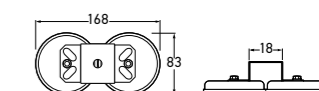
All dimensions in mm.

9XD 130 261-002 9.1517.08

Mounting 10mm dia. mounting hole

Magnetic Mounting Bracket – Universal

Universal Magnetic Mounting Bracket suitable for use with all HELLA Work Lamps. Consists of 2 magnets and fittings.



All dimensions in mm.

8HG 004 806-901 9.1537.08

Caution Due to HELLA being unable to control the condition of the mounting surface or the potential forces that may occur during acceleration and deceleration, fitment of lamps with a magnetic base cannot be recommended for use on moving vehicles.



Emergency Lighting and Signal Warning Lamps

A comprehensive range of products that meet the requirements of a modern Emergency Response Fleet.



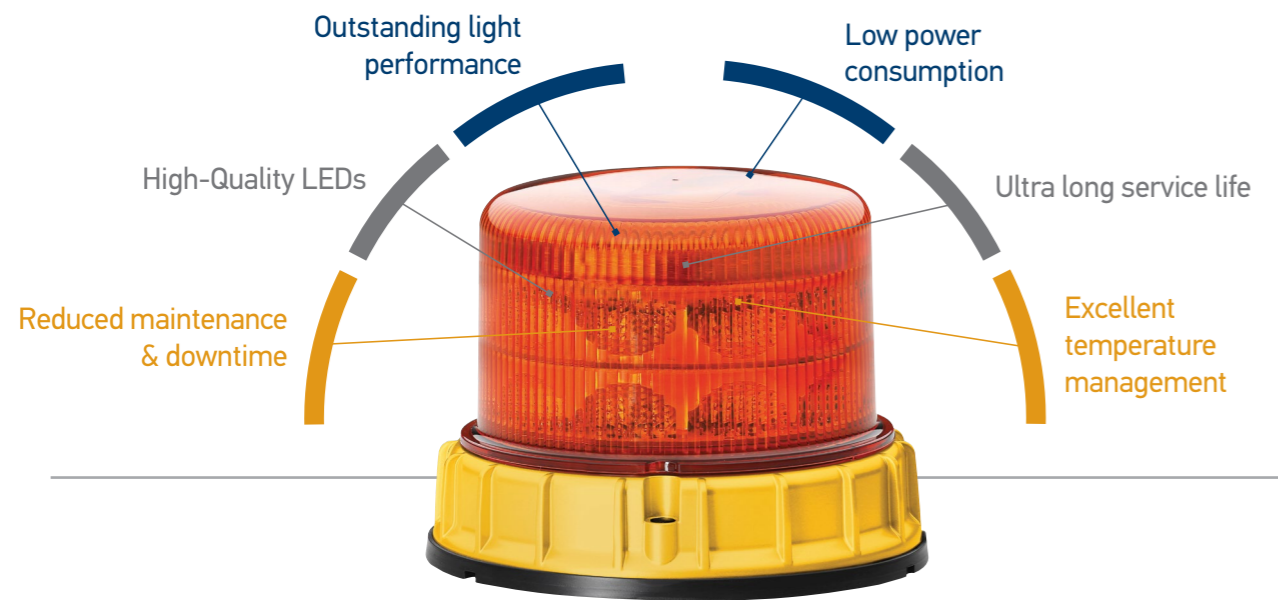
Contents

Emergency Lighting and Signal Warning Lamps

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Accessories	197
LED Warning Signal Lamps	198-204

HELLA EMERGENCY AND SIGNAL WARNING LIGHTING

HELLA's range of Emergency Lighting and Signal Warning Lamps provide high levels of performance and reliability for situations where a powerful warning light is required to attract attention.



LED is the most desired light technology by emergency services due to the many features it offers: ultra-long service life, low power consumption, outstanding light performance, reduced downtime and maintenance requirements.

Quality materials and robust construction are combined to handle demanding and harsh environments. High-quality components, advanced technology and no moving parts offer extremely long design life. LEDs are solid state components and thus demonstrate a considerable higher vibration resistance compared to bulb and motor driven products.

HELLA's rotating and signal warning lamps, offer choices of signal colour, luminous intensities, flash patterns and supply voltages, providing a complete range of warning lamps to suit most applications and performance requirements.

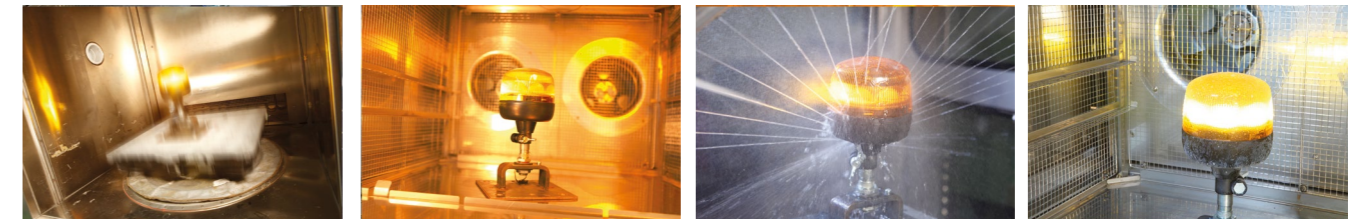
The rotating light pattern is well recognised as a highly effective warning signal in all conditions, even in bright sunlight. Instant activation is ensured from ambient temperatures ranging from -40°C to +60°C.

HELLA LED products must meet the highest quality requirements before being approved for the market.



PERFORMANCE AND RELIABILITY ARE GUARANTEED

HELLA Emergency Lamps are tested to International Standards.



Vibration Test

This test simulates the behaviour of the products in harsh off-road conditions and verifies resistance to potholes, washboard road patterns and gravel roads.

A (wide band random vibration) test is used to test the mechanical endurance strength of the test specimen. The vibration frequency range extends from 10 to 1000 Hertz. In addition to vibration testing, products are subjected to a temperature overload of -40°C to +60°C.

Ingress Protection (IP ratings)

HELLA Emergency and Signal Warning Lighting contain precision electronic and mechanical components in order to achieve outstanding product performance. In order to protect these components and assure long term reliability HELLA products are designed and tested to meet international standards on ingress protection as per IEC 60529, DIN 40050-9 or ISO 20653.

Dust Test

Entry of dust can affect the optical and mechanical operation of a lamp, potentially compromising its performance and reliability. Accordingly HELLA products are designed and tested to ensure the risk of dust ingress is minimised or eliminated. Dust-resistant products are rated at IP 5(K) X, while dust-proof products are rated at IP 6(K) X.

Water Splash Test

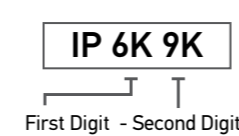
HELLA products that fulfil the water splash test requirement have been subjected to environmental testing designed to simulate operating conditions representing normal weather conditions. When correctly installed heavy rain, direct splashes and water sprays up to 4 bar will have no adverse effects on the long term reliability and performance of the product. This level of protection is provided on HELLA products rated at IP X4K or above.

Temporary Immersion Test

HELLA products that fulfil the temporary immersion test requirement have been subjected to tests designed to simulate operating conditions that involve brief immersions in water such as off-road driving through a stream. This level of protection is provided on HELLA products rated at IP X7.

High-Pressure Cleaner Test

For the ultimate in water ingress protection, HELLA products that fulfil the high-pressure cleaner test requirement are able to withstand water and steam jets of up to 80°C and 100 bar that may be encountered during commercial and industrial cleaning processes. This level of protection is provided on HELLA products rated at IP X9K.



FIRST DIGIT	
0	Non-protected.
1	Protected against solid foreign objects of 50mm diameter and greater.
2	Protected against solid foreign objects of 12.5mm diameter and greater.
3	Protected against solid foreign objects of 2.5mm diameter and greater.
4	Protected against solid foreign objects of 1.0mm diameter and greater.
5	Dust-protected.
5K	Dust-protected.
6	Dust-sealed.
6K	Dust-sealed.

First Digit Below: Table 1

Protection against solid foreign objects and access to hazardous parts.

Second Digit Right: Table 2

Protection against liquids.

SECOND DIGIT	
0	Non-protected.
1	Protected against drops of water falling vertically.
2	Protected against drops of water falling vertically at up to 15° from the vertical.
3	Protected against spraying water falling vertically at up to 60° from the vertical.
4	Protected against splashing water from all directions.
4K	With higher pressure.
5	Protected against jet of water from all directions.
6	Protected against powerful water jets.
6K	With higher pressure, specific for road vehicles.
7	Protected against the effects of immersion.
8	Protected against prolonged effects of immersion under pressure to specified depth.
9K	Protected against high-pressure cleaner, specific for road vehicles.

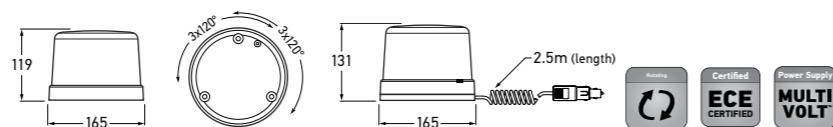
KL7000LED Series

KL7000LED Beacon, has the latest LED technology provides an optimum signal image with low power consumption.

The combination of thermal management and optics in one module makes a remarkably compact design possible. Impact and dirt-resistant PMMA lens.



HMWGA160

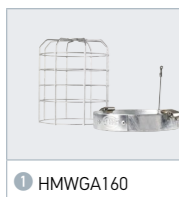


Fixed Mount	
2RL 011 484-001 1608 – Fixed Mount, Multivolt	■ AMBER
Magnetic Mount	
2RL 011 484-021 1610 – Magnetic Mount, Multivolt	■ AMBER
Mounting	Upright, fixed mounting on horizontal surfaces. Magnetic Mounting on horizontal surfaces. Supplied with spiral cable (extends up to 2.5m) and 2-pole plug for cigarette lighter or standard DIN ISO sockets.
Voltage	Multivolt 10-32V DC
Current Draw	12V DC - 0.8A 24V DC - 0.4A
Power Consumption	12V DC - 10W 24V DC - 10W
Rotation	120-133 rpm simulated (2.0-2.2Hz)
EMC Interference Immunity	CISPR25 Power Controlled Class 5
IP Rating	IP5KX, IPX4K and IPX9K
Accessory	HMWGA160 GuardRay® Protective Cage ⓘ
Spare Part	9EL 190 025-001 Lens
Compliance	R65 TA1 (E) 00 3397 e1 03 6194 ECE-R10

KL7000LED Series

KL7000LED Beacon, with the latest LED technology provides an optimum signal image with low power consumption.

The combination of thermal management and optics in one module makes a remarkably compact design possible. Impact and dirt-resistant PMMA lens.



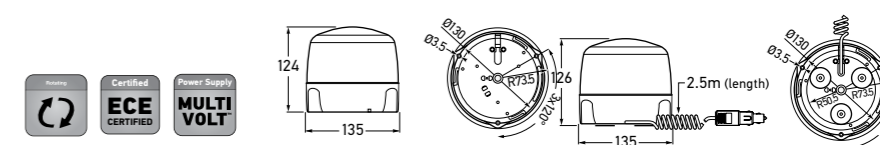
HMWGA160



2RL 011 484-011 1609 – Pipe Mount, Multivolt		■ AMBER
Mounting	Pipe Mounting. Tubular base incorporates connection plug. Must be used in conjunction with connecting piece Part No. 8HG 002 365-001, or other HELLA 2-pole beacon mounts.	
Voltage	Multivolt 10-32V DC	
Current Draw	12V DC - 0.8A 24V DC - 0.4A	
Power Consumption	12V DC - 10W 24V DC - 10W	
Rotation	120-133 rpm simulated (2.0-2.2Hz)	
EMC Interference Immunity	CISPR25 Power Controlled Class 5.	
IP Rating	IP5KX, IPX4K and IPX9K	
Accessory	HMWGA160 GuardRay® Protective Cage ⓘ	
Spare Part	9EL 190 025-001 Lens	
Compliance	R65 TA1 (E) 00 3397 e1 03 6194 ECE-R10	

RotaLED Series

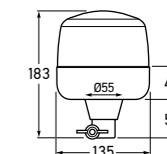
RotaLED Beacon, with the latest LED technology provides an optimum signal image with low power consumption. The combination of thermal management and optics in one module makes a remarkably compact design possible. Impact and dirt-resistant Polycarbonate lens.



Fixed Mount	
2RL 010 979-001 1611 – Fixed Mount, Multivolt	■ AMBER
Magnetic Mount	
2RL 010 979-021 1613 – Magnetic Mount, Multivolt	■ AMBER
Mounting	Upright, fixed mounting on horizontal surfaces. Magnetic Mounting on horizontal surfaces. Supplied with spiral cable (extends up to 2.5m) and 2-pole plug for cigarette lighter or standard DIN ISO sockets.
Voltage	Multivolt 10-32V DC
Current Draw	12V DC - 0.8A 24V DC - 0.4A
Power Consumption	12V DC - 10W 24V DC - 10W
Rotation	120-133 rpm simulated (2.0-2.2Hz)
EMC Interference Immunity	CISPR25 Power Controlled Class 5
IP Rating	IP5KX, IPX4K and IPX9K
Spare Part	9EL 181 506-001 Lens
Compliance	R65 TA1 (E) 00 3109 e1 03 5517 ECE-R10

RotaLED Series

RotaLED Beacon, with the latest LED technology provides an optimum signal image with low power consumption. The combination of thermal management and optics in one module makes a remarkably compact design possible. Impact and dirt-resistant Polycarbonate lens.



2RL 010 979-011 1612 – Pipe Mount, Multivolt		■ AMBER
Mounting	Pipe Mounting. Tubular base incorporates connection plug. Must be used in conjunction with connecting piece Part No. 8HG 002 365-001, or other HELLA 2-pole beacon mounts. (see page 220)	
Voltage	Multivolt 10-32V DC	
Current Draw	12V DC - 0.8A 24V DC - 0.4A	
Power Consumption	12V DC - 10W 24V DC - 10W	
Rotation	120-133 rpm simulated (2.0-2.2Hz)	
EMC Interference Immunity	CISPR25 Power Controlled Class 5.	
IP Rating	IP5KX, IPX4K and IPX9K	
Compliance	R65 TA1 (E) 00 3109 e1 03 5517 ECE-R10	

RotaLED Compact

The HELLA RotaLED Compact is the LED successor to the existing Rotafix halogen beacon series.

These can be replaced 1:1. No moving parts are required for the LED functions – so no wear and maximum reliability.

Since LEDs are maintenance-free, they do not cause any additional costs for spare parts or maintenance. Downtime is reduced to a minimum.



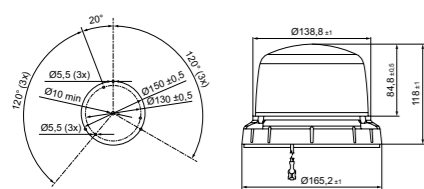
2RL 014 979-001



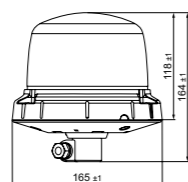
2RL 014 979-021



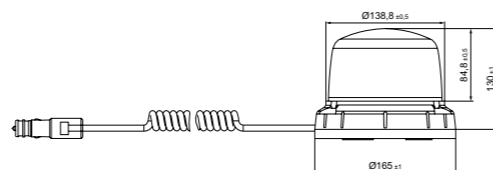
2RL 014 979-011



RotaLED Compact F



RotaLED Compact FL



RotaLED Compact M



Fixed Mount	
2RL 014 979-041 - RotaLED Compact F	AMBER
Magnetic Mount	
2RL 014 979-061 - RotaLED Compact M	AMBER
Pipe Mount	
2RL 014 979-051 - RotaLED Compact FL	AMBER
Voltage	Multivolt 10-30 V DC
Current Draw	0.6A (12V) 0.3A (24V)
Power Consumption	7W Max
Dome Lens	Polycarbonate
Housing	Black, polycarbonate and ABS
IP Rating	IP 67, IP X9K
Operating temperature	-40°C to 60°C
Reverse Polarity Protection	Yes
EMC Interference Immunity	CISPR25 Class 5*
Type Approval	SAE J845, Class 1
Fixed Mount	
2RL 014 979-001 - RotaLED Compact F	AMBER
2RL 014 979-311 - RotaLED Compact F (with DT connection)	AMBER
Magnetic Mount	
2RL 014 979-021 - RotaLED Compact M	AMBER
Pipe Mount	
2RL 014 979-011 - RotaLED Compact FL	AMBER
Voltage	Multivolt 10-30V DC
Current Draw	0.6A (12V) 0.3A (24V)
Power Consumption	7W Max
Dome Lens	Polycarbonate
Housing	Black, polycarbonate and ABS
IP Rating	IP 67, IP X9K
Operating Temperature	-40°C to 60°C
Reverse Polarity Protection	Yes
EMC Interference Immunity	CISPR25 Class 5*
Type Approval	ECE-R65 TA 1 004837 SAE J845, Class 2

*150 - 300 kHz: Class 3

K-LED Nano 50
K-LED Nano 80
K-LED Nano 120

Introducing our new K-LED Nano 50, 80 and 120 series – the expanded version of the popular K-LED Nano range. These upgraded models come with exciting new features, focusing primarily on size, color and the option to personalize with your logo. The K-LED Nano 50, 80 and 120 beacons are designed to enhance safety and visibility, offering rotating and flashing modes to suit different needs. With various sizes and lens colors (amber, blue, red and green) available, as well as easy mounting options that meet international standards, they provide unmatched flexibility.

In addition to the already familiar standard accessories for beacons, FORVIA HELLA now also offers a 250 mm long cable with DEUTSCH DT connector or AMP connector. With these accessories, the beacons of the K-LED Nano series can be used for the most common plug connections. But that's not all – these beacons also allow for custom branding, making them a perfect fit for your company's identity while ensuring safety compliance. Beyond their stylish appearance, they are built to last, with impact resistance and electromagnetic compatibility (EMC) that meet strict standards.

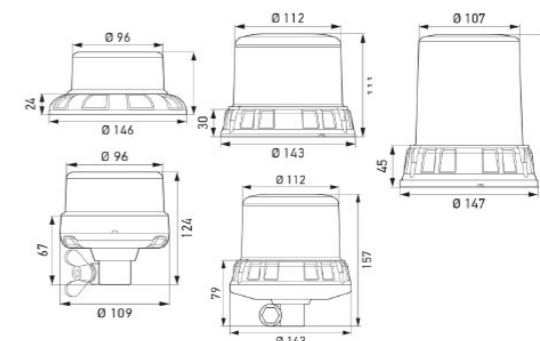
By adhering to industry regulations, the K-LED Nano family guarantees reliability and assurance across a wide range of applications.



	Fixed Mount	Pipe Mount	Colour
K-LED Nano 50 Rotating	2RL 099 147-001	2RL 099 147-011	AMBER
K-LED Nano 50 Flashing	2XD 066 147-001	2XD 066 147-011	AMBER
	2XD 066 147-101*	-	BLUE
	2XD 066 147-201*	2XD 066 147-211*	RED
	2XD 066 147-301*	2XD 066 147-311*	GREEN
K-LED Nano 80 Rotating	2RL 099 979-001	2RL 099 979-011	AMBER
K-LED Nano 80 Flashing	2XD 066 979-001	2XD 066 979-011	AMBER
	2XD 066 979-101*	-	BLUE
	2XD 066 979-201*	2XD 066 979-211*	RED
	2XD 066 979-301*	2XD 066 979-311*	GREEN
K-LED Nano 120 Rotating	2RL 099 484-001	-	AMBER
K-LED Nano 120 Flashing	2XD 066 484-001	-	AMBER

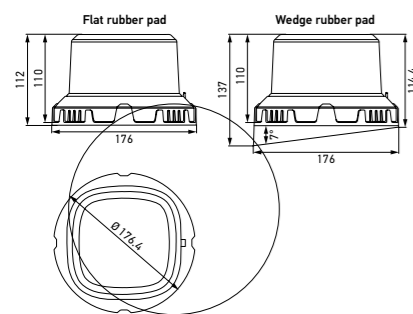
Operating Voltage	Multi-voltage (9 – 32 V)
Voltage	12 V / 24 V
Current consumption	Flashing: 1.6 A (12 V) 0.78 A (24 V) Rotating: 0.33 A (12 V) 0.1 A (24 V)
Power consumption	Flashing: < 19 W Rotating: < 5 W
Light function	Flashing or rotating
Material	Housing: polycarbonate + ABS black
Operating Temperature	-40 °C to + 60 °C
Protection class	IP 6K7, IP 6K9
Approval	ECE R65, ECE R10
Compliant	SAE J845 class 1, RCM, CISPR 25 Class 5
Protection	Overvoltage protection
Mounting	Fixed mounting or pipe socket mounting
Accessories	8KB 256 667-081 - 250 mm cable with AMP connector (suitable for K-LED 50 & 80) 8KB 256 667-091 - 250 mm cable with DT connector (suitable for K-LED 50 & 80)

* No ECE R65 approval – the relevant country-specific legal requirements and guidelines for motor vehicles must be observed when installing the product.



K-LED Quadra

Designed to meet the demands of today's commercial vehicles, emergency fleets, construction machinery, and agricultural equipment, this beacon blends bold design with robust performance.



2XD 357 557-001 Fixed surface mounting - Double Flash and Rotating	AMBER
2XD 357 557-011 Fixed surface mounting - Double Flash and Rotating	DARK
Operating voltage range	Multi-voltage (10 – 30 V)
Rated Voltage	12 V / 24V
Power consumption	Amber - 48 W Dark - 96 W
Number of LEDs	Amber - 16 Dark - 32
LED colour	Amber
Material	Base: Aluminium, Mounting Base: Polycarbonate, Lens: Polycarbonate
Weight	1,340 g
Temperature range	- 40 to + 60 °C
Protection class	IP 67, IP 69K
Approved	ECE-R10, ECE-R65 TA2, ADR / GGVSEB, SAE J845 Class 1
EMC	CISPR 25 Class 5
Compliant	RCM
Cable Length	300 mm open ended
Protection	Polarity reversal protection, overvoltage protection

* Packaging unit (Content of the box: One beacon, one flat rubber base, one wedge base, one nylon base plate one TPE foam sleeve, screws)

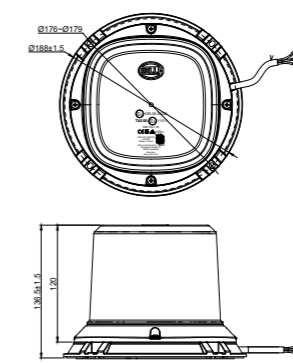
K-LED Quadra 135mm

Innovative Quadra design, available in five different colours and two dual colour options, offering unmatched versatility and style to suit any fleet or application.



2XD 357 558-001 Fixed surface mounting, Double Flash, Rotating and Steady ON	AMBER
2XD 357 558-101 Fixed surface mounting, Double Flash, Rotating and Steady ON	BLUE
2XD 357 558-201 Fixed surface mounting, Double Flash, Rotating and Steady ON	RED
2XD 357 558-301 Fixed surface mounting, Double Flash, Rotating and Steady ON	GREEN
2XD 357 558-401 Fixed surface mounting, Double Flash, Rotating and Steady ON	WHITE
2XD 357 558-501 Fixed surface mounting, Double Flash and Rotating	AMBER/GREEN
2XD 357 558-601 Fixed surface mounting, Double Flash and Rotating	AMBER/BLUE
Operating voltage range	Multi-voltage (10 – 30 V)
Rated Voltage	12 V / 24V
Power Consumption	48 W
Light function	Double Flashing, Rotating & Steady ON*
Flash rate	125 FPM
Number of LEDs	48
Material	Base: Aluminium Mounting Plate: Polycarbonate Lens: Polycarbonate
Weight	1,418 g
Temperature range	- 40 to + 60 °C
Protection class	IP 67, IP 69K
Approved	ECE-R10, ECE-R65**, ADR / GGVSEB, SAE J845 Class 1***
EMC	CISPR 25 Class 5
Compliant	RCM, CE, UKCA
Cable Length	300 mm open ended
Protection	Polarity reversal protection, overvoltage protection

*Steady ON not available in Dual colour options
 **Not available for Green & White colour options
 ***Green variant is SAE J845 Class 3



K-LED® Rebelution

The K-LED® Rebelution is a revolutionary beacon featuring the latest LED technology. It provides maximum performance in a minimalist and highly innovative, dome-free design.

Instead, the light is visible through a circumferential, ring-shaped light band. Despite light exit area being smaller than a conventional domed beacon the K-LED® Rebelution emits a highly visible warning signal.



2RL 455 256-001



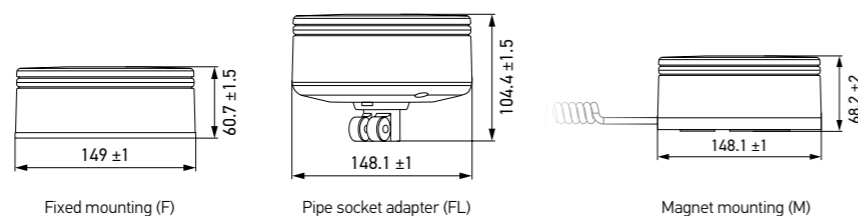
2RL 455 256-021



2RL 455 256-011



Fixed Mount	
2RL 455 256-001 - K-LED Rebelution, Fixed Mount	AMBER
Magnetic Mount	
2RL 455 256-021 - K-LED Rebelution, Magnet Mount	AMBER
Flexible Pipe Socket Adapter	
2RL 455 256-011 - K-LED Rebelution, Pipe Mount	AMBER
Voltage	12V / 24V DC
Current Consumption	@ 1.08A (12V) @ 0.54A (24V)
Power Consumption	Max. 13 W
Light Ring	Polycarbonate
Housing	Aluminium
IP Rating	IP 6K7, IP 6K9K
Operating Temperature	-40°C to 60°C
Reverse Polarity Protection	Yes
EMC Interference Immunity	ECE-R10, CISPR 25 Class 3
GGVSE / ADR	Yes
Type Approval	ECE-R65 TA1 (E1)



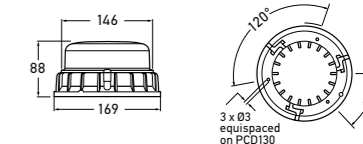
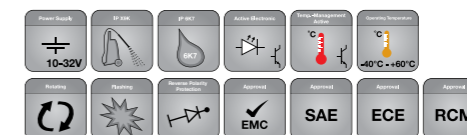
K-LED® Mining LED Warning Beacon

K-LED® Mining is the benchmark in the world of low profile mining beacons. This state-of-the-art beacon is designed for smaller mobile vehicles to suit modern styling requirements.



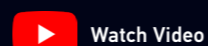
HM9600ADIR

2XD 011 557-101



Fixed Mount	
2XD 011 557-001 HM9600ADIR – Fixed Mount, Multivolt	AMBER
2XD 011 557-101 - Fixed Mount, Multivolt, Silver Base	AMBER
2XD 011 557-011 HM9600BDIR – Fixed Mount, Multivolt	BLUE
2XD 011 557-021 HM9600RDIR – Fixed Mount, Multivolt	RED
2XD 011 557-031 HM9600GDIR – Fixed Mount, Multivolt	GREEN
Voltage	Multivolt 9-33V DC
Power Consumption	33W Max
Dome Lens	Polycarbonate
Housing	Powder-coated die-cast aluminium
IP Rating	IP6K7, IP6K9K
Temperature Range	-40°C to 60°C
Reverse Polarity Protection	Yes
EMC Interference Immunity	CISPR25 Class 5, ECE R10
Type Approval	SAE J845 Class 1
ECE R65 Compliance	Amber: TA2 (E1) R65 00 3555 Red: TR2 (E1) R65 03 6816

K-LED® REBELUTION



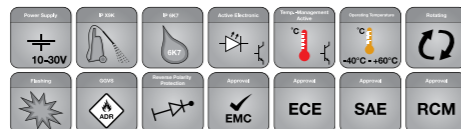
UltraRAY 2.0 (Rotating)
UltraRAY 2.1 (Flashing)
Powerful Heavy Duty LED Beacon

UltraRAY Beacons are an innovative electronic concept offering a rotating or a flashing LED light function – without moving parts.

The unsurpassed EMI footprint meets the highest possible standard (CISPR25 Class 5). Wherever Beacons risk interference with radio communications, UltraRAY is the solution. UltraRAY can be mounted directly next to radio communication systems and there will be no disturbance from the Beacon.

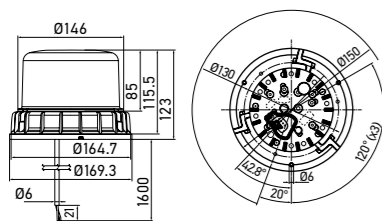
The shockproof polycarbonate dome guarantees especially reliable protection from impact.

The double lighting system in the UltraRAY 2.0 / 2.1 increases the light exit area, so producing an especially strong warning effect.

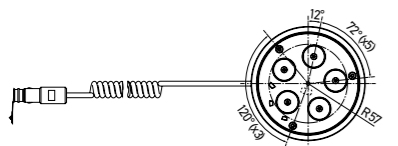


	Fixed Mount	Magnetic Mount	
UltraRay 2.0 Rotating	2RL 012 983-001	2RL 012 983-101	AMBER
	2RL 012 983-011	2RL 012 983-111	BLUE
	2RL 012 983-031	2RL 012 983-131	GREEN
	2RL 012 983-041	2RL 012 983-141	WHITE
UltraRay 2.1 Flashing	2XD 012 984-001	2XD 012 984-101	AMBER
	2XD 012 984-011	2XD 012 984-111	BLUE
	2XD 012 984-031	2XD 012 984-131	GREEN

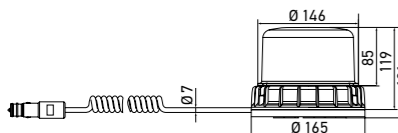
Voltage	10-30V DC
Current Consumption	Rotating: @ 1.6A (12V) & @ 0.8A (24V) Flashing: @ 1.8A (12V) & @ 0.9A (24V)
Power Consumption	Rotating: 20W Flashing: 22W
Dome Lens	Polycarbonate
Housing	Powder-coated die-cast aluminium
IP Rating	IP6K7, IP6K9K
Temperature Range	-40°C to +60°C
Reverse Polarity Protection	Yes
EMC Interference Immunity	ECE-R10, CISPR 25 Class 5,
Type Approval	SAE J845 Class 1, ECE R65
ECE R65 Compliance UltraRay 2.0 Rotating	Amber: TA1 (E1) R65 004439 Blue: TB1 (E1) R65 004440 Red: TR1 (E1) R65 004441
ECE R65 Compliance UltraRay 2.1 Flashing	Amber: TA1 (E1) R65 004442 Blue: TB1 (E1) R65 004443 Red: TR1 (E1) R65 004444



Fixed attachment
Dimensions in mm

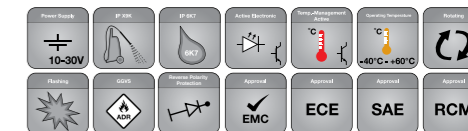


Magnetic attachment
Dimensions in mm



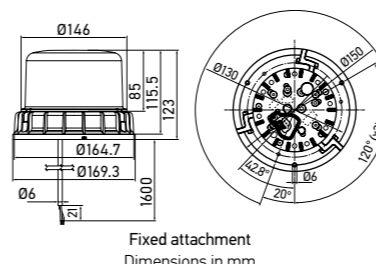
DuraRAY 4.0 Brightest HELLA
LED Beacon Made for Mining

The integrated light sensor automatically toggles between day and night mode. This guarantees the best possible warning effectiveness.

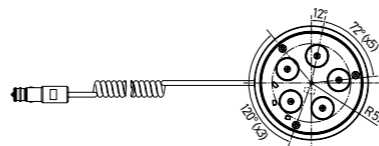


Fixed Mount	Magnetic Mount	
2XD 012 985-001	2XD 012 985-101	AMBER
2XD 012 985-031		GREEN

Voltage	10-30V DC
Current Consumption	@ 2.6A (12V) @ 1.3A (24V)
Power Consumption	32W
Dome Lens	Polycarbonate
Housing	Powder-coated die-cast aluminium. Passivated.
IP Rating	IP6K7, IP6K9K
Temperature Range	-40°C to 60°C
Reverse Polarity Protection	Yes
EMC Interference Immunity	ECE-R10, CISPR 25 Class 5,
Type Approval	SAE J845 Class 1, ECE R65
ECE R65 Compliance Rotating Function	Amber: TA1 (E1) R65 004509 Blue: TB1 (E1) R65 004510 Red: TR1 (E1) R65 004511
ECE R65 Compliance Flashing Function	Amber: TA1 (E1) R65 004512 Blue: TB1 (E1) R65 004513 Red: TR1 (E1) R65 004514



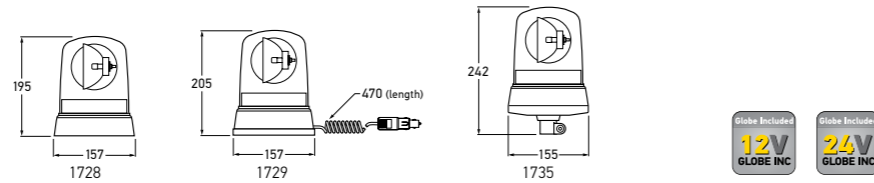
Fixed attachment
Dimensions in mm



Magnetic attachment
Dimensions in mm

KL7000 Series

KL7000 high performance revolving Beacon has light values well above the minimum requirements. All KL7000 Beacons can be operated on 12V or 24V by changing the globe. The halogen globe is replaced from the rear of the reflector eliminating the need to touch the highly polished reflector surface. A twin belt drive ensures a smooth and quiet operation.



2RL 378 299-002 1728-24V – Fixed Mount, 24V DC ■ AMBER



2RL 008 062-131 1729 – Magnetic Mount, Dual Voltage 12/24V DC* ■ AMBER



2RL 905 145-001 1735 – Flexi-base Mount, Dual Voltage 12/24V DC* ■ AMBER



Current Draw	12V DC - 5.5A 24V DC - 3.5A
Power Consumption	12V DC - 55W 24V DC - 70W
Rotation	160rpm
EMC Interference Immunity	Conducted Class 5 (CISPR25)
Protection	IP 5K4K (Protection against dust and water splashing with increased pressure) IP X9K (Protection against high-pressure/steam jet cleaning)
Globes to Suit	12V C1255 (included) 2RL 008 061-141, 2RL 008 062-131, *1735 24V C2470 (included) 1728-24V
Spare Parts	9EL 862 140-041 ■ Red lens 9EL 862 140-031 ■ Amber lens 9.1737.91 Two drive belts 9DX 862 740-001 Reflector assembly 9MN 862 741-001 Motor assembly 12/24V 8HG 002 365-001 Connecting piece ① 8HG 006 294-011 Connecting piece - right angle mount ② 8HG 006 294-111 Connecting piece - flat mount ③ 8HG 006 294-091 2-Pole Beacon Mount - Screw ④
HELLA does not recommend the magnetic base version for use on a moving vehicle. (see page 219) See pages 219 & 220 for spare part images.	



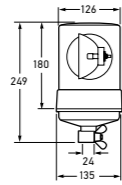
① 8HG 002 365-001 ② 8HG 006 294-011 ③ 8HG 006 294-111 ④ 8HG 006 294-091



EMERGENCY & SIGNAL

KL600 Series Beacon

Pipe Mount revolving Beacon. Halogen globe is replaced from the rear of the reflector eliminating the need to touch the highly polished reflector surface. A twin belt drive ensures a smooth and quiet operation.



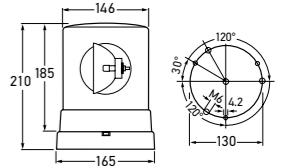
2RL 004 957-111 1713 – 24 Volt, Pipe Mount, Optic Lens		■ AMBER
Mounting	Pipe Mounting. Tubular base incorporates connection plug. Must be used in conjunction with connecting piece Part No. 8HG 002 365-001, or other HELLA 2-pole beacon mounts. (see page 219)	
Voltage	24V DC (globe included)	
Current Draw	24V DC - 3.5A	
Power Consumption	24V DC - 70W	
Rotation	160 +/- 30 rpm	
Protection	IP 45	
Globe to Suit	24V H1 (C2470)	
Accessories	8HG 006 294-011 2-Pole Beacon Mount – Flat 8HG 006 294-111 2-Pole Beacon Mount – 90° 8HG 006 294-091 2-Pole Beacon Mount – Screw	
Spare Parts	9EL 856 415-001 ■ Blue Lens 9EL 856 415-011 ■ Amber Lens 9DX 859 560-001 Reflector Base Assembly (screw mount) 9MN 860 032-011 24V Motor (plastic type) 9.1737.91 Drive Belts (set of 2)	



8HG 002 365-001	9DX 859 560-001
9.1737.91	9MN 860 032-011

KL700 Series Beacon

KL700 high performance revolving Beacon. The halogen globe is replaced from the rear of the reflector eliminating the need to touch the highly polished reflector surface. A twin-belt drive ensures a smooth and quiet operation.

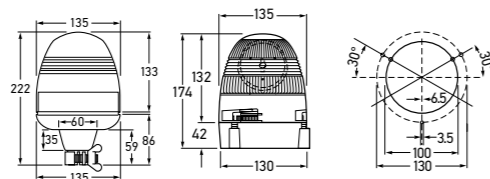


1 1653	2 HMWGA220
9DX 859 560-001	9MN 860 032-001
9.1737.91	

2RL 905 137-001	1717 – 12 Volt DC, Fixed Mount	■ BLUE
2RL 905 139-001	1720 – 24 Volt DC, Fixed Mount	■ BLUE
2RL 004 958-301	1719 – 12 Volt DC, Fixed Mount	■ BLUE
2RL 004 958-311	1722 – 24 Volt DC, Fixed Mount	■ BLUE
2RL 905 143-001	1724 – Optic Lens	■ AMBER
Mounting	Fixed Mounting on horizontal surfaces. 3 x M6 holes for fixing screws, DIN B1: PCD 130mm	
Voltage	12V DC (globe included) 24V DC (globe included)	
Current Draw	12V DC - 5A 24V DC - 3.5A	
Power Consumption	12V DC - 55W 24V DC - 70W	
Rotation	160rpm	
EMC Interference Immunity	VDE 0879, Class 3, FM 5	
Globe to suit	12V H1 (C1255) 24V H1 (C2470)	
Protection	IP5KX, IPX4K and IPX9K	
Note	Amber version shown. Mounting restrictions apply when using HELLA Part No. 1653 - Magnetic Mounting Kit	
Accessories	1653 Magnetic Mounting Kit 1 HMWGA220 GuardRay Protective Cage 2 Caution: Mounting restrictions apply. (see page 219)	
Spare Parts	9EL 856 417-051 ■ Amber Lens 9EL 856 418-001 ■ Amber Lens (optic) 9MN 860 032-001 12V Motor (plastic type) 9MN 860 032-011 24V Motor (plastic type) 9.1737.91 Drive Belts (set of 2) 9DX 859 560-001 Reflector Base Assembly (screw mount)	
HELLA does not recommend the magnetic base version for use on a moving vehicle. (see page 219)		

KL Rotafix Series

Revolving Beacon with impact-resistant polycarbonate optic lens and rubber base.



Pipe Mount	
2RL 006 846-001	1730 – Pipe Mount, 12V DC ■ AMBER
2RL 006 846-011	1731 – Pipe Mount, 24V DC ■ AMBER
Fixed Mount	
2RL 007 337-001	1732 – Fixed Mount, 12V DC ■ AMBER
2RL 007 337-011	1732-24V – Fixed Mount, 24V DC ■ AMBER
Mounting	Mounting on horizontal surfaces. DIN B1: PCD 130mm or 100mm.
Voltage	12V DC (globe included) 24V DC (globe included)
Current Draw	12V DC - 5A 24V DC - 3.5A
Power Consumption	12V DC - 55W 24V DC - 70W
Flash Rate	160 +/- 30 rpm
EMC Interference Immunity	VDE 0879, Class 3, FM5
Protection	IP5K4K9K
Globes to Suit	12V H1 (C1255) 24V H1 (C2470)
Compliance	R65 E1 6509 e1 03 2181
Spare Parts	8HG 006 294-011 Connecting piece - flat mount 2 8HG 006 294-111 Connecting piece - right angle mount 3 8HG 006 294-091 2-Pole Beacon Mount - Screw 4



Micro Light Bar

The Micro Light Bar is a powerful LED warning light that generates an intensive 360-degree warning signal suitable for various applications.

The Micro Light Bar combines a flashing and rotating signal in one unit, while also providing reverse polarity protection.

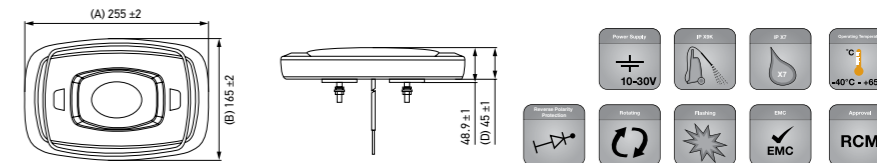
Available in either a clear or amber lens, with amber illumination.



2RL 014 566-111
Clear lens, amber illumination



2RL 014 566-311
Amber lens, amber illumination



2RL 014 566-111	Clear lens (bracket mount) ■ AMBER
2RL 014 566-311	Amber lens (bracket mount) ■ AMBER
2RL 014 566 101	Clear lens (Fixed mount) ■ AMBER
2RL 014 566-301	Amber lens (Fixed mount) ■ AMBER

Dome and Housing	Polycarbonate
Operating Voltage	Multivolt 10 – 30V DC
Current Consumption	5.6 A (12V) 2.7 A (24V)
Power Consumption	Max. 66W
Light Function	Flashing and Rotating
Connection	500 mm cable
Weight	691 g
Temperature Range	-40°C to +65°C
Reverse Polarity Protection	Yes
Protection	IP X7, IP X9K
EMC Interference Immunity	ECE-R10, CISPR 25 Class 3,
Type Approval	SAE J845 Class 1

Mini Light Bar

The Mini Light Bar is a powerful LED warning light that generates an intensive 360-degree warning signal suitable for various applications.

The Mini Light Bar combines a flashing and rotating signal in one unit, while also providing reverse polarity protection.

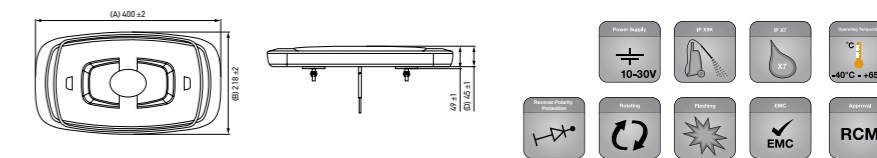
Available in either a clear or amber lens, with amber illumination.



2RL 014 565-111
Clear lens, amber illumination



2RL 014 565-311
Amber lens, amber illumination



2RL 014 565-111	Clear lens (bracket mount) ■ AMBER
2RL 014 565-311	Amber lens (bracket mount) ■ AMBER
2RL 014 565-511	Clear lens (bracket mount) ■ RED/BLUE
2RL 014 565 101	Clear lens (Fixed mount) ■ AMBER
2RL 014 565-301	Amber lens (Fixed mount) ■ AMBER

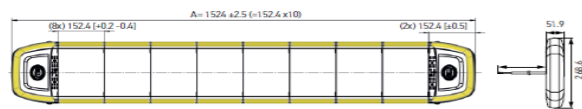
Dome and Housing	Polycarbonate
Operating Voltage	Multivolt 10 – 30V DC
Current Consumption	6.1 A (12 V) 2.8 A (24 V)
Power Consumption	Max. 70W
Light Function	Flashing and Rotating
Connection	500 mm cable
Weight	1,300 g
Temperature Range	-40°C to +65°C
Reverse Polarity Protection	Yes
Protection	IP X7, IP X9K
EMC Interference Immunity	ECE-R10, CISPR 25 Class 3,
Type Approval	SAE J845 Class 1

Modular Light bar

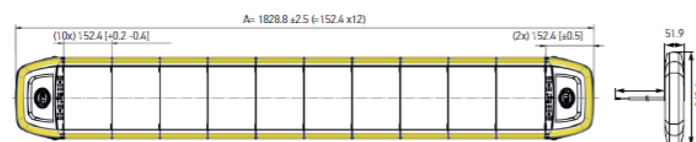
HELLA Modular Light Bars emit a powerful long-range amber flashing warning signal, as well as offering a number of useful additional functions, depending on the chosen configuration, using a range of different centre modules discreetly integrated in to their sleek and modern design. The technical base of the roof bar incorporates an amber warning light in to the side panels and additional Alley lights can also be integrated upon request. The middle section can comprise of various individual modules that provide a range of functions, such as a work light, or stop, tail or direction indicator lights. The individual modules are available as spare parts and can be easily replaced if damaged.

At just 52mm high, they can either be screwed directly onto the vehicle roof or mounted using the included bracket. The standard base of the Modular Light Bar is controlled with a simple ON/OFF switch, however a wired operating unit and Bluetooth-compatible base for wireless operation can also be specified.

Part No	No. of modules	Length
2RL 014 567-101	8	1524mm (60")
2RL 014 567-121	10	1828mm (72")
Mounting	Screwed to bodywork or using included mounting bracket	
Operating Voltage	Multi-voltage (10 – 30 V)	
Voltage	12 V / 24 V	
Current consumption	Depends on product configuration	
Power consumption	Depends on product configuration	
Operating Temperature	-40 °C to + 65 °C	
Protection class	IP 6K4K, IP X9K	
Connection	4,000 mm cable with open cable end	
Type Approval	ECE-R65, ECE-R148	
EMC protection	ECE-R10, CISPR25 Class 3, RCM	
Spare part:	Amber warning light module	
2XD 863 556-001	Black dummy cover	
2XX 863 556-301		



2RL 014 567-101



2RL 014 567-121

Corner Module 270

The HELLA Corner Module 270 is a special wide angle warning lamp which is approved as a "half bar" as a set of two modules and offers a new alternative to conventional beacons. Two modules illuminate an area of at least 270 degrees at a distance of 20m from the vehicle. They can be integrated into the vehicle body or mounted on top using a bracket.

The housing is black and a flashing amber warning lamp creates attention around the vehicle. It is possible to create a double flashing pattern and synchronize the modules. The modules are suggested to be positioned at a 45 degree angle to the driving direction for uniform illumination over full 270 degrees.



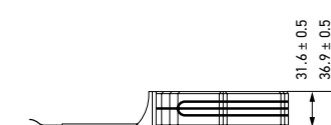
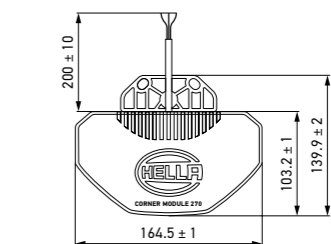
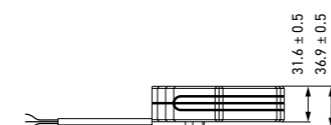
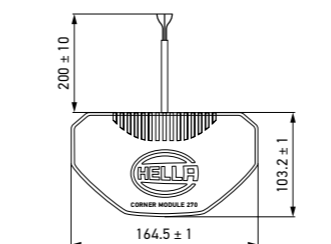
2XD 455 355-001		AMBER
Rated Voltage	Multivolt	
Operating Voltage	12 / 24 V DC	
Current Consumption	Max. 2.5 A for one module	
Power Consumption	Max. 30 W for one module	
Lamp Function	Flashing	
Light Source	LED	
Material	Lens: polycarbonate housing: PC-ABS	
Weight	318 g	
Temperature Range	-40°C to +60°C	
Protection Class	IP 67	
Type Approval	ECE-R65 HTA1 only for the set of two modules E HTA1 005117 10R 058984	
EMC Interference Immunity	CISPR 25 Class 5	
Mounting	Inbuilt, bracket mounting	
Connection	Cable length: 200 mm, cable bare ends	
Spare Part	2XD 455 355-011 (Single module for replacement)	

Integration

In order to integrate the elements into the vehicle body, appropriate space must be planned.

Bracket mounting

The supplied brackets allow for surface-mounting of the product.





2-Pole Beacon Mount



8HG 002 365-001 8007 – 2-Pole Beacon Mount	KIT
Description	2-Pole Beacon Mount for pipe mounting. Incorporates electrical connection.
Suits	Suitable for use with KL600, KL7000, KLX7000, KL Rotaflex and KL Ranger Series Pipe Mount Revolving and Strobe Lamps, RotaLED, RotaLED Compact and K-LED Rebelution

2-Pole Beacon Mount



8HG 006 294-011 8007FM – 2-Pole Beacon Mount - Flat	KIT
Description	2-Pole Beacon Mount with bracket for attachment on flat cabin roof surfaces. Incorporates electrical connection.
Suits	Suitable for use with KL600, KL7000, KLX7000, KL Rotaflex and KL Ranger Series Pipe Mount Revolving and Strobe Lamps, RotaLED, RotaLED Compact and K-LED Rebelution

2-Pole Beacon Mount



8HG 006 294-111 8007RA – 2-Pole Beacon Mount - 90°	KIT
Description	2-Pole Beacon Mount with 90-degree bracket (50mm) for attachment on flat cabin roof surfaces. Incorporates electrical connection.
Suits	Suitable for use with KL600, KL7000, KLX7000, KL Rotaflex and KL Ranger Series Pipe Mount Revolving and Strobe Lamps, RotaLED and K-LED Rebelution

2-Pole Beacon Mount



8HG 006 294-091 8007SCR – 2-Pole Beacon Mount - Screw	KIT
Description	2-Pole Beacon Mount with screw attachment (M24 thread). Incorporates electrical connection.
Suits	Suitable for use with KL600, KL7000, KLX7000, KL Rotaflex and KL Ranger Series Pipe Mount Revolving and Strobe Lamps, RotaLED, RotaLED Compact and K-LED Rebelution

GuardRay® Protective Cages

GuardRay® cages are hot-dip galvanised for corrosion protection and fabricated from heavy welded steel wire with bases pre-drilled to accept the standard mounting holes of all our popular Warning Beacons and Bases. Beacons mount inside the universal base, and the wire cage is then clamped to the base. A nylon lanyard stops the cage from falling during servicing.



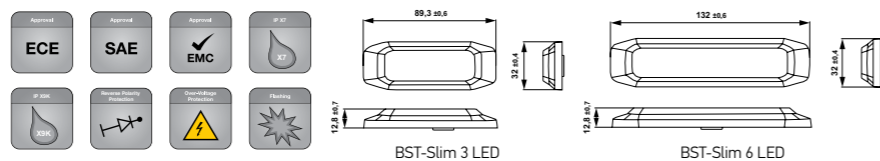
9GH 910 181-011	HMWGA160 – Protective Cage - 160mm	GALVANISED
9GH 910 181-021	HMWGA220 – Protective Cage - 220mm	GALVANISED
Dimensions	HMWGA160 HMWGA220	180 x 160mm (d x h) 180 x 220mm (d x h)
Suits	HMWGA160 HMWGA220	KL7000LED RotaLED DuraRay 4.0 KL700 KL710 KL7000 KLX7000 UltraRay 2.0/2.1

BST Slim

The BST-Slim is a high-performance warning light which is available with 3 or 6 LEDs. There are different warning light colours and various flashing sequences which create a synchronous or alternating signal.

The Dual Colour warning light is ECE-R65 type-tested and the rest are SAE approved. It can be used for single, double, triple and quadruple flash as well as with continuous light.

The product with 6 LEDs comes with a "day/night mode" which adjusts the brightness to the ambient light. This provides increased visibility during the day and avoidance of glare at night.

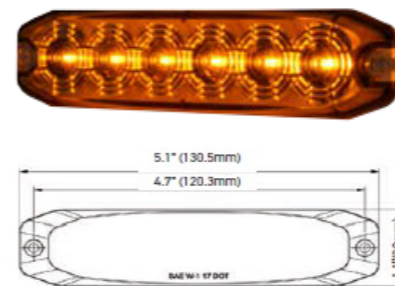


2XD 014 563-401 – 3 LED	AMBER
2XD 014 563-101 – 3 LED	BLUE
2XD 014 563-701 – 3 LED	RED
2XD 014 563-901 – 3 LED	WHITE
Operating Voltage	Multivolt 11 – 30 V DC
Current Consumption	Amber: 0.7 A (12 V), 0.35 A (24 V) Blue: 0.7 A (12 V), 0.35 A (24 V) Red: 0.54 A (12 V), 0.27 A (24 V) White: 0.7 A (12 V), 0.35 A (24 V)
Power Consumption	7 – 14 W
Temperature Range	-40°C to +65°C
Protection	IPX7, IPX9K
EMC Interference Immunity	ECE-R10, CISPR 25 Class 5,
Type Approval	SAE J595 Class 1

2XD 014 562-401 – 6 LED	AMBER
2XD 014 562-101 – 6 LED	BLUE
2XD 014 562-701 – 6 LED	RED
2XD 014 562-901 – 6 LED	WHITE
Operating Voltage	Multivolt 11 – 30 V DC
Current Consumption	Amber: 1.4 A (12 V), 0.7 A (24 V) Blue: 1.4 A (12 V), 0.7 A (24 V) Red: 1.1 A (12 V), 0.55 A (24 V) White: 1.4 A (12 V), 0.7 A (24 V)
Power Consumption	7 – 14 W
Temperature Range	-40°C to +65°C
Protection	IPX7, IPX9K
EMC Interference Immunity	ECE-R10, CISPR 25 Class 5
Type Approval	SAE J595 Class 1

MST6E

- Super low profile for discreet placement
- Self-adhesive backing for quick simple mounting
- Non-volatile memory recalls last flash pattern used at power up
- Multiple units can be grouped to flash simultaneously or alternately
- Reverse polarity protection
- Weatherproof and vibration resistant design for external use



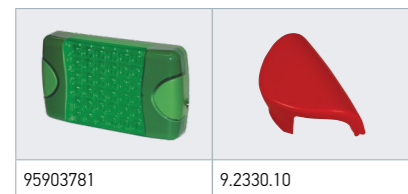
2WB 358 111-691	H22897001	AMBER
2WB 358 111-711	H22897021	WHITE
Light source	6 LEDs	
Operating Voltage	Multi-voltage (9 – 32 V)	
Voltage	12 V / 24 V	
Max Power	6 W	
Operating Temperature	-30 °C to + 60 °C	
Protection class	IP 67	
Connection	8" (20 cm) wire leads	
Type Approval	SAE J595 Class 1	
Flash patterns	14 flash patterns	

DuraLED Multi-flash Signal Warning Lamp

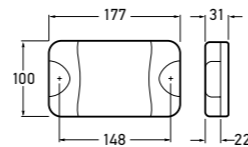
Multivolt™ Warning Lamps for emergency vehicles. The HELLA multi-flash range of Warning Lamps have 10 programmable flash modes and can be synchronised to flash alternately or in unison.



95903711 95903761

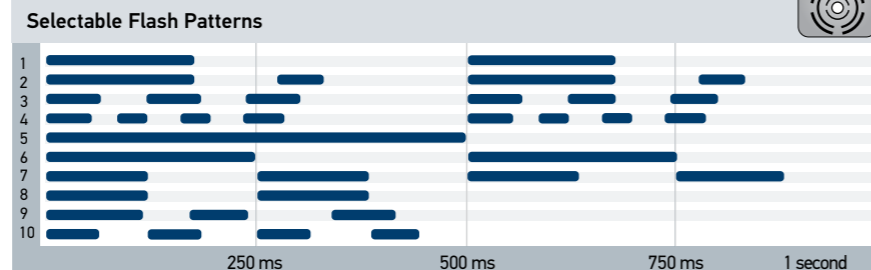


95903781 9.2330.10



2XD 959 037-012	95903701 – Surface Mount, MultiFLASH®, Multivolt	■ RED
2XD 959 037-112	95903711 – Surface Mount, MultiFLASH®, Multivolt	■ AMBER
2XD 959 037-612	95903761 – Surface Mount, MultiFLASH®, Multivolt	■ BLUE
2XD 959 037-812	95903781 – Surface Mount, MultiFLASH®, Multivolt	■ GREEN
Mounting	Two hole surface mount with mounting bushes supplied	
Voltage	Multivolt for optimum brightness at input voltages from 9 to 33 volts DC	
Power Consumption	9W continuous (less in flashing modes)	
Protection	Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS) IP 6K6 (Protection against dust and high-pressure water jets) IP 6K7 (Protection against dust and temporary water immersion)	
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable	
Spare Parts	9.2330.10 Screw Cap Red (Pack of 4) 9.2330.16 Screw Cap Amber (Pack of 4)	
Compliance	SAE J595 Class 1 (Red and amber versions) EMC 03 1925 ECE-R10	

HELLA MULTI-FLASH LAMP OPERATING MODES

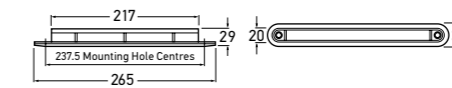


Flashing Options	
Steady state	Lamp operates as a continuous ON signal
Independent flash	Lamp operates from an external flashing system
Flash state	Lamp operates in the flash mode preselected by the user
Blitz state	Lamp operates in a burst of quad flashes (pattern 4)

The blitz mode overrides the other operating modes and is triggered by switching the blue cable to negative (-).

LED Wide Rim Strip Warning Lamp

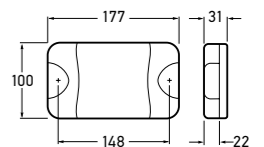
Covert wide rim strip LED Signal Warning Lamp available in red colour variants. Optic appears clear until illuminated. Includes gasket, screws and screw caps.



2XD 959 073-752	95907375 – Recess Mount, 24 Volt DC	■ RED
Mounting	Two hole recess mount. May be mounted horizontally or vertically	
Power Consumption	2W	
Protection	Reverse polarity protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)	
Cable Length	Pre-wired with 2.5m of multi-core cable	
Spare Parts	9HD959182037 Black Screw Cap	

DuraLED MultiFlash

DuraLED Multiflash has 11 flash patterns and a high impact resistant Grilamid nylon lens for fit and forget applications.

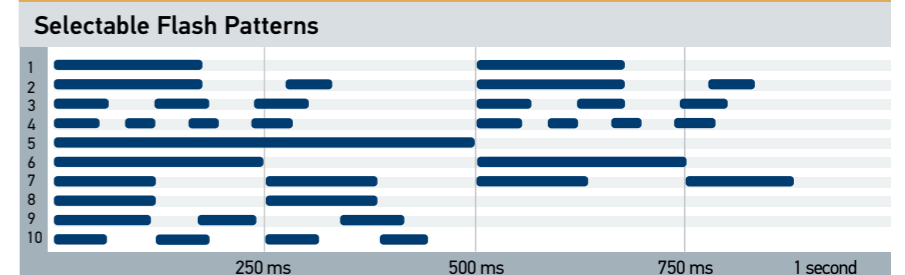


HM95903710	2XD 959 037-101	Cable	■ AMBER
HM95903760	2XD 959 037-601	Cable	■ BLUE
HM95903780	2XD 959 037-801	Cable	■ GREEN
HM95903780	2XD 959 037-001	Cable	■ RED
HM95903710D	2XD 959 037-141	DT Connector	■ AMBER
HM95903760D	2XD 959 037-621	DT Connector	■ BLUE
HM95903780D	2XD 959 037-821	DT Connector	■ GREEN
HM95903700D	2XD 959 037-021	DT Connector	■ RED

Voltage	9-33V DC
Power Consumption	10W Max
IP Rating	IP 6K6, IP 6K9K
Connector	Cable 2.5M or 250mm cable with DT
Compliance	ECE-R10
Flashing Options	
Steady state	Lamp operates as a continuous ON signal
Independent flash	Lamp operates from an external flashing system
Flash state	Lamp operates in the flash mode preselected by the user
Blitz state	Lamp operates in a burst of quad flashes (pattern 4)

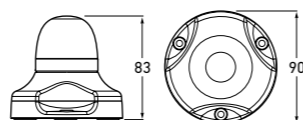
The blitz mode overrides the other operating modes and is triggered by switching the blue cable to negative (-).

HELLA MULTI-FLASH LAMP OPERATING MODES



On/Off LED Warning Signal Lamps

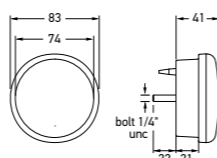
Multi-purpose LED 360° Warning Lamps with nylon (PA12) lens available in four signal colours and white. Optics appear clear until illuminated.



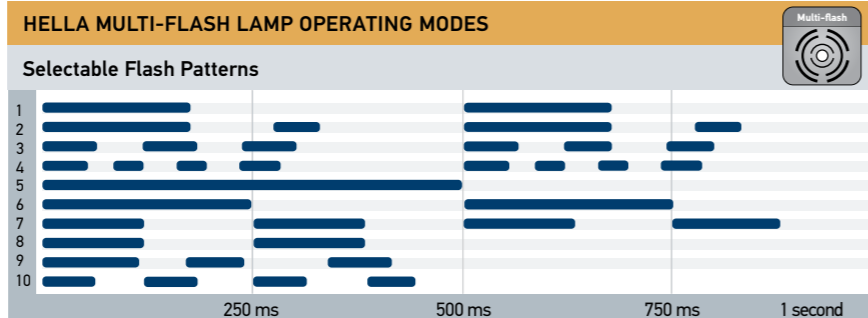
2XA 980 910-242	98091024 – Surface Mount, Multivolt	GREEN
2XA 980 910-442	98091044 – Surface Mount, Multivolt	RED
2XA 980 910-642	98091064 – Surface Mount, Multivolt	AMBER
2XA 980 910-742	98091074 – Surface Mount, Multivolt	BLUE
Mounting	Upright mounting with three point mount	
Voltage	Multivolt for optimum brightness at input voltages from 9 to 33 volts DC	
Power Consumption	5W	
Protection	Reverse polarity and voltage spike protection. IP 67 (Protection against dust and temporary water immersion)	
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable	
Lens Material	Nylon (PA12)	
Compliance	EMC 03 1679 ECE-R10	
See page 226 for multi-flash versions.		

LED 83mm Round Multi-flash Signal Lamp

83mm diameter round LED Signal Lamps with single bolt mount for emergency vehicles. The HELLA multi-flash range of warning lamps have 10 programmable flash modes and can be synchronised to flash alternately or in unison.



2XD 959 011-402	95901140 – Flush Mount, Multivolt	RED
2XD 959 011-452	95901145 – Flush Mount, Multivolt	AMBER
Mounting	Single bolt 1/4" stainless UNC thread. Nut and washer supplied	
Voltage	Multivolt for optimum brightness at input voltages from 9 to 33 volts DC	
Power Consumption	6W continuous (less in flashing modes)	
Protection	Reverse polarity and voltage spike protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)	
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable	
Compliance	EMC 03 1681 ECE-R10	

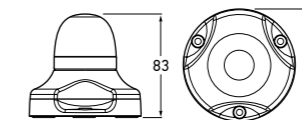


Flashing Options	
Steady state	Lamp operates as a continuous ON signal
Independent flash	Lamp operates from an external flashing system
Flash state	Lamp operates in the flash mode preselected by the user
Blitz state	Lamp operates in a burst of quad flashes (pattern 4)

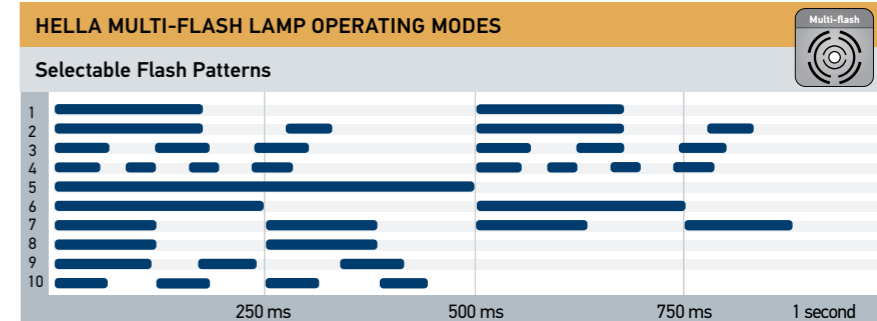
The blitz mode overrides the other operating modes and is triggered by switching the blue cable to negative (-).

LED 360° Multi-flash Signal Lamp

Multi-purpose LED 360° Warning Lamp with clear nylon (PA12) lens, available in four signal colours. The HELLA multi-flash range of warning lamps have 10 programmable flash modes and can be synchronised to flash alternately or in unison. Optic appears clear until illuminated.



2XD 980 911-002	98091100 – Surface Mount, Multivolt	WHITE
2XD 980 911-202	98091120 – Surface Mount, Multivolt	GREEN
2XD 980 911-402	98091140 – Surface Mount, Multivolt	RED
2XD 980 911-602	98091160 – Surface Mount, Multivolt	AMBER
2XD 980 911-702	98091170 – Surface Mount, Multivolt	BLUE
Mounting	Upright mounting with three point mount	
Voltage	Multivolt for optimum brightness at input voltages from 9 to 33 volts DC	
Power Consumption	Less than 5W (less in flashing modes)	
Protection	Reverse polarity and voltage spike protection. IP 67 (Protection against dust and temporary water immersion)	
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable	
Lens Material	Nylon (PA12)	
Compliance	EMC 03 1679 ECE-R10	
Lamps shown illuminated (right).		



Flashing Options	
Steady state	Lamp operates as a continuous ON signal
Independent flash	Lamp operates from an external flashing system
Flash state	Lamp operates in the flash mode preselected by the user
Blitz state	Lamp operates in a burst of quad flashes (pattern 4)

The blitz mode overrides the other operating modes and is triggered by switching the blue cable to negative (-).



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Interior/Exterior Lighting

HELLA LED luminaires provide superior quality lighting solutions for reliable performance year after year.



LED LIGHTING TECHNOLOGY - ENERGY EFFICIENT CRISP WHITE LIGHT

HELLA LED based luminaires are sophisticated opto-electronic devices designed to be highly energy efficient and durable, and are a future-proof, low 'Cost-of-Ownership' solution.



LED based lighting is fast advancing to becoming the logical solution for the cost conscious operator who considers 'Cost-of-Ownership' rather than just the initial purchase price. To design efficient LED luminaires, many factors need to be considered. The LED itself, optics, optic materials, thermal design and drive electronics. These are among the many factors that add up to result in an efficient and durable luminaire.

Lens, Optic Technology and Eye Safety

To take advantage of the ever increasing efficacy of the most advanced LEDs, efficient optic design is essential to capture as much of the luminous flux emitted by the LED as possible. An evenly illuminated surface area is evidence of competent optic design. With significant advances in LED brightness, eye safety considerations are increasingly important.

For interior lights it is essential for high power LEDs to be coupled with optic designs that protect the eye's retina. It is desirable for a large portion of the lens area of a luminaire to be evenly illuminated via an efficient optic rather than using a bundle of LEDs without any optic. Easily visible LEDs inside a luminaire without any optic or lens protection can cause a degree or even significant eye discomfort if viewed directly.

A recent US Department of Energy (DOE) report warns of poorly designed LED luminaires, associating low frequency 'Flicker' with the possibility to trigger epileptic attacks in parts of the population that are susceptible.

Well designed LED lighting systems do carry a higher initial price compared to many other lamps now on offer. For most applications, higher efficiency and long term reliability of a competently designed and manufactured LED luminaire is a convincing Value Proposition.

Heat and Thermal Management

Competent and well engineered thermal management is essential for the long-term durability of HELLA LED luminaires. A common misconception is that LEDs do not generate heat. LEDs consume power and some of this power is also converted to heat, even in the most energy efficient LEDs.

In contrast to incandescent lamps however, LEDs do not like to 'run hot'. As a rule of thumb the hotter an LED runs, the faster it will degrade and in extreme cases result in a much lower light performance and shorter service life.

A noticeably 'hot to touch' exterior surface of a high power LED interior lamp provides some indication that the light output of the device will deteriorate fast, sometimes within a few hundred hours. Well engineered LED devices will operate 'cool' or 'warm' to the touch after many hours of operation. HELLA has many years of technical expertise in developing good thermal designs, when matched with superior optics and electronic design it ensures the long term durability of all our LED lighting products with minimal degradation over many years of service.

Highly efficient white LED luminaires are becoming a solution that make ecological and economic sense for an ever increasing range of applications.



Reliability

Due to the solid state nature of LEDs there are no filaments to break, however LEDs do require precise current control, overvoltage and spike protection to avoid any premature damage.

For LED luminaire designers and manufacturers, in depth design and engineering know how is required to produce durable products with reliable performance year after year.

Considerations such as hermetically sealed housings, sealed cable entries, effective electronic protection, shock, vibration and impact resistant components all contribute towards long term reliability. Compared to incandescent lighting, where a filament inside a globe may break at any moment, HELLA LED lighting is designed as a reliable Fit and Forget solution.

Colour Temperature and Rendering

LED based lighting has had a reputation for appearing 'cold' and 'blue' due to their phosphorous coating technology.

However today's high efficacy devices can rival traditional incandescent light sources for colour and ambience. When selecting LED interior lighting, colour temperature is an important consideration.

1850 K	Candle
2800 K	Halogen Globe (Incandescent Lamp)
2500-3200 K	Warm White LED
4600K-5600 K	Crisp White LED
6500 K	Daylight

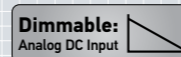
Colour temperature is measured in Kelvin (K) and describes the effect of heating an object until it glows incandescently. The emitted radiation, and apparent colour changes in proportion to the temperature; envisioned when considering hot metal in a forge that glows red, then orange, and then white as the temperature increases. HELLA describes higher colour temperatures (4600 K to 5600 K) as 'crisp white' and lower colour temperatures as 'warm white'.

'Neutral white' is considered around 4200 K range. Crisp white is recommended for visual tasks, work areas and exterior lighting.

Warm white is suggested for interior spaces as it adds life and vibrancy to people and objects. It is considered more flattering to skin tones or fabrics and makes food look fresh and attractive.

NEW DIMMABLE LOGOS WHAT DO THEY MEAN?

Logos used throughout the Interior/Exterior section to help quick referencing of important product features are explained below.



Light intensity is reduced as the DC input voltage is reduced below the lamps specified operating voltage.



Light intensity is controlled through the lamp's own internal circuitry via in-built buttons, an external DC power source and a standard switch. See specific lamp instructions for further information.



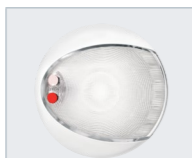
Light intensity is adjusted between 10-100% using a high frequency PWM (pulse width modulation) DC power supply, with adjustable duty cycle control.



Light intensity can be switched between 100% and a lower level factory pre-set value, usually via an additional cable input supplied with the lamp using a positive feed from the DC power supply within the lamps operating voltage range.

EuroLED® White/Red Touch Lamps

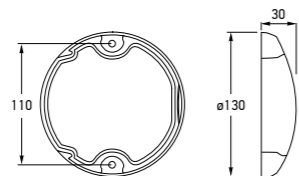
Dual colour EuroLED® Touch Lamps with dimming and momentary switch control. Touch the white or red pads for on/off, hold finger to cycle through dimming levels. Provides ultra long service life and is shock and vibration proof. Clear lens.



2JA 959 950-121



EuroLED® Touch red night light function shown



2JA 959 950-111 - Black Shroud	☐	■ WHITE/RED
2JA 959 950-121 - White Shroud	☐	
Mounting	Two hole surface mount with mounting bushes supplied	
Voltage	Multivolt for optimum brightness at input voltage from 9 to 33 volts	
Power Consumption	White: 4W Red: 1.5W	
Protection	Reverse polarity and transient spike circuit protection. IP 6K6 (Protection against dust and high-pressure water jets) IP 6K7 (Protection against temporary water immersion)	
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable	
Accessories	8HG 959 952-002 Mounting spacer - Black 8HG 959 952-012 Mounting spacer - White	
Compliance	CE	
See page 70 for EuroLED® accessories.		



8HG 959 952-002 8HG 959 952-012

EuroLED®

Advanced LED Lamps with touch sensitive switching. Power saving and ultra durable.

Lighting control is beautifully simple. Touch the colour pad for red light and the white pad for white light. On the dual colour versions, hold your finger on the pad for more than two seconds and the lamp will cycle through four dimming levels. Release your finger on the light level required.

Dual colour EuroLED® Touch lamps can also be remotely operated from multiple points with 'off the shelf' ON/OFF/ON momentary switches. Holding one of the external switches for two seconds will synchronise the lamps to the same dimming level.

Light levels are 'remembered' by the lamps circuitry, even when a vehicle's batteries are turned off.



Designed and manufactured in New Zealand, EuroLED® Touch lamps provide red/white, or white only light using the latest completely sealed touch sensitive technology.



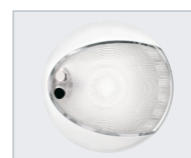
The lamp will always turn on at the colour intensity previously set, regardless of power interruption.

EuroLED® Touch power consumption is 4W on white (0.33A @ 12V) and less than 1.5W on red (less than 0.125A @ 12V) to provide significant power savings.

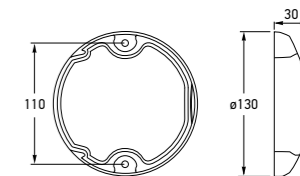
The durability of EuroLED® Touch Lamps is outstanding. Each lamp is completely waterproof, impact and shock resistant, for an ultra long service life. Multivolt circuitry provides optimum brightness across a range of input voltages from 9-33V DC, even under severe voltage fluctuations.

EuroLED® White Touch Lamps

White single LED lamp with touch switching and clear lens. Touch the white pad to turn on and the black pad to turn off. Provides ultra-long service life and is shock and vibration proof.



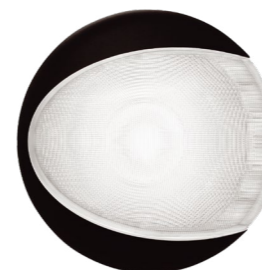
2JA 959 950-561



2JA 959 950-551 - Black Shroud	☐	■ WHITE
2JA 959 950-561 - White Shroud	☐	
Mounting	Two hole surface mount with mounting bushes supplied	
Voltage	Multivolt for optimum brightness at input voltage from 9 to 33 volts	
Power Consumption	4W	
Protection	Reverse polarity and transient spike circuit protection. IP 6K6 (Protection against dust and high-pressure water jets) IP 6K7 (Protection against temporary water immersion)	
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable	
Accessories	8HG 959 952-002 Mounting spacer - Black 8HG 959 952-012 Mounting spacer - White	
Compliance	CE	
See page 70 for EuroLED® accessories.		

EuroLED® Lamp

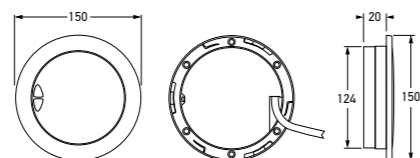
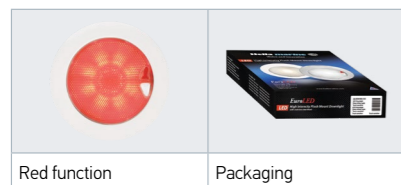
White single LED Lamp with clear lens. Provides ultra long service life and is shock and vibration proof. Includes a black and a white rim. No switching or dimming.



95982050	2JA 959 820-502	■ WHITE
Mounting	Two hole surface mount with mounting bushes supplied	
Voltage	Multivolt for optimum brightness at input voltage from 9 to 33 volts	
Power Consumption	4W	
Protection	Reverse polarity and transient spike circuit protection. IP 6K6 (Protection against dust and high-pressure water jets) IP 6K7 (Protection against temporary water immersion)	
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable	
Accessories	8HG 959 952-002 Mounting spacer - Black 8HG 959 952-012 Mounting spacer - White	
Compliance	CE	
See page 70 for EuroLED® accessories.		

EuroLED® Touch 150 Downlights - Dual Colour

Dual colour EuroLED® Touch Lamps with dimming and momentary switch control. Touch the white pad for on/off, hold finger on the pad to cycle through dimming levels. Provides ultra long service life and is shock and vibration proof. Clear lens.



2JA 980 630-001 - White Plastic Rim	WHITE/RED
2JA 980 630-011 - Polished Stainless Steel Rim	WHITE/RED
2JA 980 630-101 - White Plastic Rim	WARM WHITE/RED
2JA 980 630-111 - Polished Stainless Steel Rim	WARM WHITE/RED
Mounting	Recess mount, 124mm hole
Voltage	Multivolt for optimum brightness at input voltage from 9 to 33 volts
Power Consumption	White: 4W Red: 1.5W
Protection	Reverse polarity and transient spike circuit protection. Sealed against dust and water ingress.
Cable Length	Pre-wired with 0.5m of sheathed multi-core tinned cable
Compliance	CE

EuroLED® Touch 150 Downlights - Single Colour

White single LED Lamp with touch switching and clear lens. Touch the white pad to turn on and the black pad to turn off. No dimming. Provides ultra long service life and is shock and vibration proof.



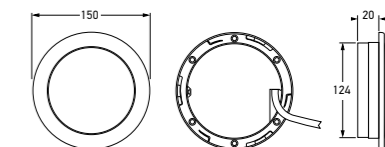
2JA 980 630-501 - White Plastic Rim	WHITE
2JA 980 630-511 - Polished Stainless Steel Rim	WHITE
2JA 980 630-601 - White Plastic Rim	WARM WHITE
2JA 980 630-611 - Polished Stainless Steel Rim	WARM WHITE
Mounting	Recess mount, 124mm hole
Voltage	Multivolt for optimum brightness at input voltage from 9 to 33 volts
Power Consumption	4W
Protection	Reverse polarity and transient spike circuit protection. Sealed against dust and water ingress.
Cable Length	Pre-wired with 0.5m of sheathed multi-core tinned cable
Compliance	CE



Sealed cable entry

EuroLED® 150 Downlights

White single LED Lamp with clear lens. Provides ultra long service life and is shock and vibration proof. No switching or dimming.



2JA 980 631-501 - White Plastic Rim	WHITE
2JA 980 631-511 - Polished Stainless Steel Rim	WHITE
2JA 980 631-601 - White Plastic Rim	WARM WHITE
2JA 980 631-611 - Polished Stainless Steel Rim	WARM WHITE
Mounting	Recess mount, 124mm hole
Voltage	Multivolt for optimum brightness at input voltage from 9 to 33 volts
Power Consumption	4W
Protection	Reverse polarity and transient spike circuit protection. Sealed against dust and water ingress.
Cable Length	Pre-wired with 0.5m of sheathed multi-core tinned cable
Compliance	CE

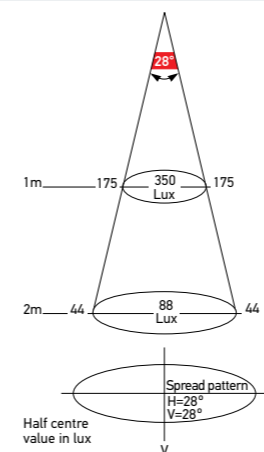


2JA 980 631-601

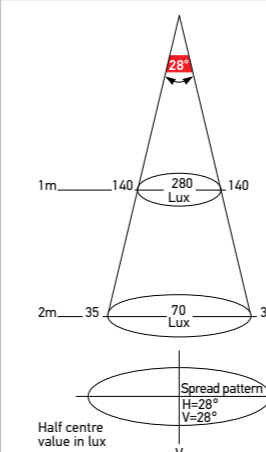
Packaging

ILLUMINATION CHARTS

EuroLED® 150 - White



EuroLED® 150 - Warm White



Illumination Charts Explained

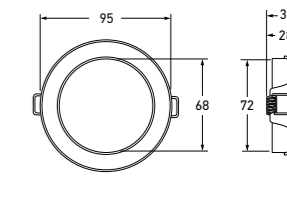
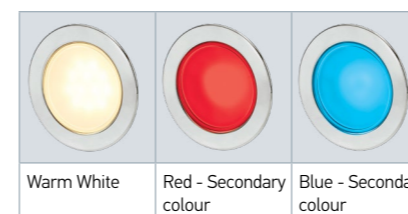
Our light performance charts show luminance and spread in an easy to read format. At the top is the spread, with the boundary threshold being defined as half the peak luminance. While there is light beyond the indicated angles, the majority of light will be inside the cone shown. The difference between lux (illuminance) and lumen (luminous flux) is that lux takes into account the area over which the luminous flux is spread. Accordingly the lux figure decreases with distance. Most interior lamps will be installed at around the 2-2.5 metre height.

As a guideline, some 40-100 lux is required for corridors and passageways, around 300 lux for reading and 500-800 lux for offices. The spread pattern may not be designed symmetrical so the spread horizontally (H) and vertically (V) are given. Luminance is additive, meaning overlapping light patterns or multiple lamps lighting the same surface add their luminance.



EuroLED® 95 Gen 2 Round Down Lights - Recess Mount With Spring Clip

The next generation of LED high intensity down lights offers an improved class leading efficiency and durability. The smooth diffused lens creates a comfortable and uniform appearance with over 420 lumens of actual light in a broad and even illumination.

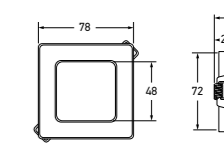


2JA 958 340-011	WHITE
2JA 958 340-101	WHITE/RED
2JA 958 340-111	WHITE/BLUE
2JA 958 340-021	WARM WHITE
2JA 958 340-121	WARM WHITE/RED
2JA 958 340-131	WARM WHITE/BLUE

Mounting	Recess mount, 76mm diameter hole. Spring clip.
Voltage	Multivolt for optimum brightness at input voltage from 9 to 33 volts
Power Consumption	6W
Protection	IP 6K9K (Protection against dust and high pressure/steam jet cleaning)
Cable Length	Pre-wired with 120mm of cable
Compliance	CE

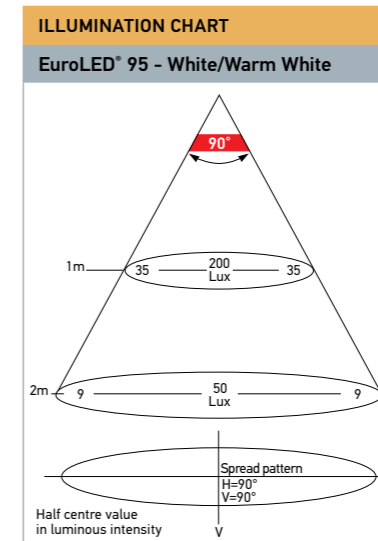
EuroLED® 95 Gen 2 Square Down Lights - Recess Mount With Spring Clip

The next generation of LED high intensity down lights offers an improved class leading efficiency and durability. The smooth diffused lens creates a comfortable and uniform appearance with over 420 lumens of actual light in a broad and even illumination.



2JA 958 340-511	WHITE
2JA 958 340-601	WHITE/RED
2JA 958 340-611	WHITE/BLUE
2JA 958 340-521	WARM WHITE
2JA 958 340-621	WARM WHITE/RED
2JA 958 340-631	WARM WHITE/BLUE

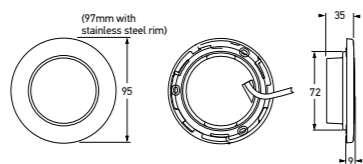
Specifications as per 2JA 958 340-011 above.



INTERIOR/EXTERIOR

EuroLED® 95 Downlights - Recess Mount

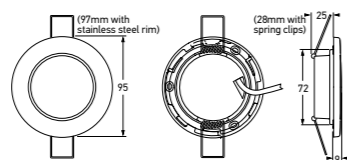
Round LED high Intensity Downlights offering class leading efficiency and durability. Supplied with white or polished stainless steel rim to suit.



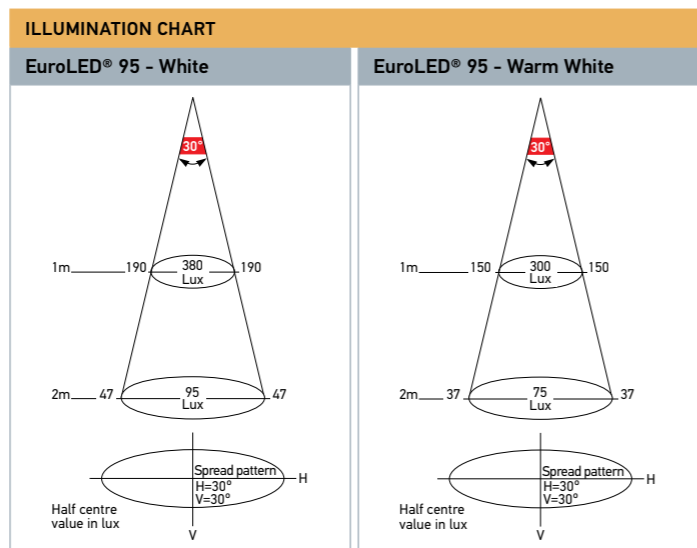
2JA 980 940-001 - White Plastic Rim	WHITE
2JA 980 940-011 - Polished Stainless Steel Rim	WHITE
2JA 980 940-101 - White Plastic Rim	WARM WHITE
2JA 980 940-111 - Polished Stainless Steel Rim	WARM WHITE
Mounting	Recess mount, 72mm hole. Screw mount.
Voltage	Multivolt for optimum brightness at input voltage from 10 to 33 volts
Power Consumption	4W
Protection	Reverse polarity and transient spike circuit protection. Sealed against dust and water ingress.
Cable Length	Pre-wired with 0.5m of sheathed multi-core tinned cable
Compliance	CE, RoHS

EuroLED® 95 Downlights - Recess Mount With Spring Clip

Round LED high intensity Downlights offering class leading efficiency and durability. Supplied with white or polished stainless steel rim to suit.

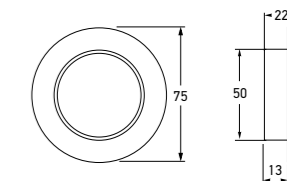
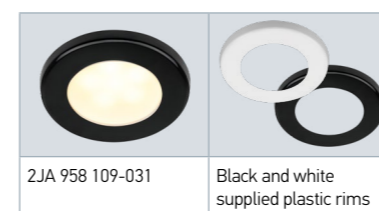


2JA 980 940-201 - White Plastic Rim	WHITE
2JA 980 940-211 - Polished Stainless Steel Rim	WHITE
2JA 980 940-301 - White Plastic Rim	WARM WHITE
2JA 980 940-311 - Polished Stainless Steel Rim	WARM WHITE
Mounting	Recess mount, 72mm hole. Spring clip.
Voltage	Multivolt for optimum brightness at input voltage from 10 to 33 volts
Power Consumption	4W
Protection	Reverse polarity and transient spike circuit protection. Sealed against dust and water ingress.
Cable Length	Pre-wired with 0.5m of sheathed multi-core tinned cable
Compliance	CE, RoHS



EuroLED® 75 Down Lights - Recess Mount

This Downlight features the latest in LED technology and is available in two white colour temperatures. Both the cool white and the warm white option feature a smooth, evenly distributed illumination and an optic specifically designed to reduce individual light source glare, which can lead to discomfort and eye strain. Each Downlight includes a black and a white plastic rim.



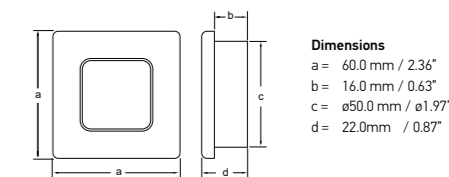
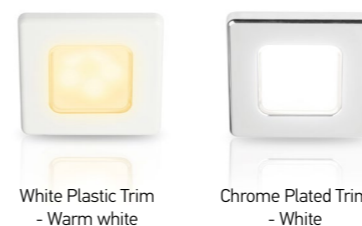
2JA 958 110-031 - 12 Volt DC	WHITE
2JA 958 110-131 - 24 Volt DC	WHITE
2JA 958 109-031 - 12 Volt DC	WARM WHITE
2JA 958 109-131 - 24 Volt DC	WARM WHITE
Mounting	Recess mount, 50mm diameter hole
Voltage	12V DC or 24V DC
Power Consumption	<3W
Protection	IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high pressure/steam jet cleaning)
Cable Length	Pre-wired with 130mm of cable
Supplied Rims	95950590 Black plastic rim - EuroLED® 75
Compliance	RoHS
Additional rims and housings are available see page 257.	

EuroLED® 75 Square Down Lights

EuroLED® 75 LED down lights offer style, performance and energy efficiency for interior and exterior applications, provide long lasting, reliable illumination for your vessel.

Available in warm white and white, these lamps have a high colour rendering index of 85+ (CRI), offering exceptional colour rendering of objects and surfaces to beautifully enhance the materials of your vessel.

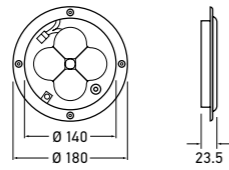
With an impressive output of 190 lumen and a diffused lens, they create a bright, broad and even illumination.



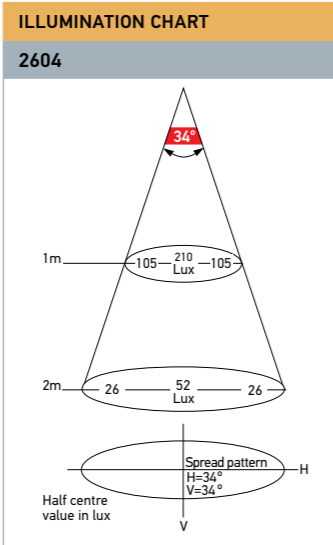
2JA 015 014-021 - Chrome Plated Trim, 12 Volt DC	WHITE
2JA 015 014-011 - White Plastic Trim, 12 Volt DC	
2JA 015 014-121 - Chrome Plated Trim, 24 Volt DC	
2JA 015 014-111 - White Plastic Trim, 24 Volt DC	
2JA 015 014-221 - Chrome Plated Trim, 12 Volt DC	WARM WHITE
2JA 015 014-211 - White Plastic Trim, 12 Volt DC	
2JA 015 014-321 - Chrome Plated Trim, 24 Volt DC	
2JA 015 014-311 - White Plastic Trim, 24 Volt DC	
Mounting	Screw
Voltage	12V DC (9-16V DC) 24V DC (18-33V DC)
Power Consumption	3W (<0.19A @ 12V DC) 3W (<0.09A @ 24V DC)
Protection	IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high pressure/steam jet cleaning)
Cable Length	Pre-wired with 120mm tinned marine cable

CargoLED Interior Lamp

Universal LED Interior Lamp featuring state of the art design and robust construction. Equipped with advanced Luxeon Power LED technology and clear acrylic lens for optimum light distribution without glare. The dust-proof housing is made from high quality aluminium and ABS ensuring maximum durability and long service life, even in extremely cold or humid environments. Fully sealed to withstand high-pressure washing.

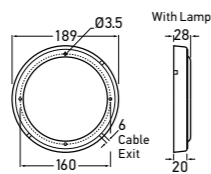


2JB 344 227-001	previously 2604	WHITE
Mounting	Flush Mount	
Voltage	Multivolt for optimum brightness at input voltage from 9 to 31 volts	
Power Consumption	6W	
Temperature Range	-40°C to +60°C	
Protection	Fully sealed against dust and moisture to IP69	
Cable Length	Pre-wired with 310mm of sheathed multi-core cable	
Compliance		



CargoLED Mounting Spacer

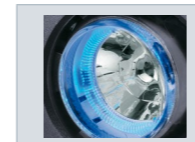
Mounting Spacer designed to suit all CargoLED interior lamps. Enables surface mount with side cable exit.



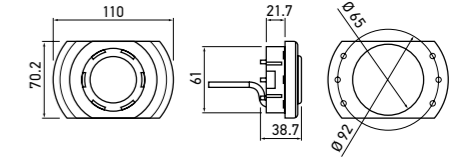
9.2604.05	9XD 344 118-102
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SpotLED Blue LED Interior Lamp – Adjustable

Adjustable LED Spotlight featuring impact-resistant Polycarbonate lens and advanced LED technology for superior light distribution. The modern blue LED light ring provides additional ambient illumination. Adjustable spot with 20-degree angle to each side.



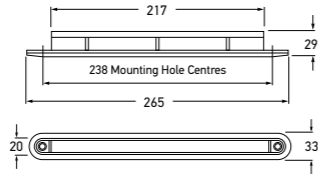
Blue LED Ring - Adjustable light ring



2JA 343 700-271	previously 2647	WHITE
Mounting	Surface Mount. Suitable for horizontal and vertical installation (screw caps included)	
Voltage	Multivolt for optimum brightness at input voltage from 9 to 31 volts	
Power Consumption	LED 2.5W	LED Ring 0.5W
Protection	Sealed against dust to IP3X	
Cable Length	Pre-wired with 200mm of sheathed multi-core cable	
Compliance		

LED White Interior/Exterior Strip Lamps

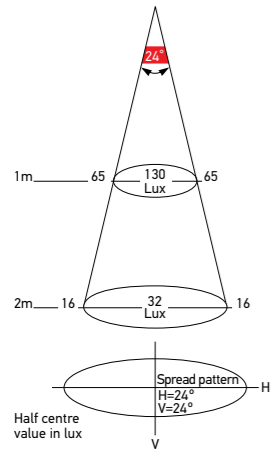
White LED Interior Lamp with clear UV-resistant acrylic lens. Ideal for steps, interior or exterior courtesy lighting and storage areas.



2641-12V	2JA 959 073-011 - 12 Volt DC	WHITE
2641-24V	2JA 959 073-211 - 24 Volt DC	
Mounting	Recess mount	
Power Consumption	<2W	
Protection	Reverse polarity protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)	
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable	
Spare Part	959 155-507	Gasket

ILLUMINATION CHARTS

2641/2641-24V

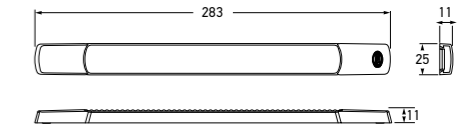


LED Interior/Exterior Strip Lamps - Surface Mount

LED Lamp featuring a soft white colour temperature and diffused lens for an evenly spread light. Fully sealed for complete protection against water and dust ingress. Includes charcoal and white screw caps.

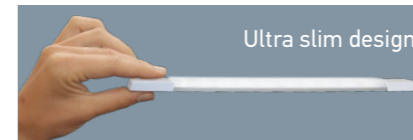
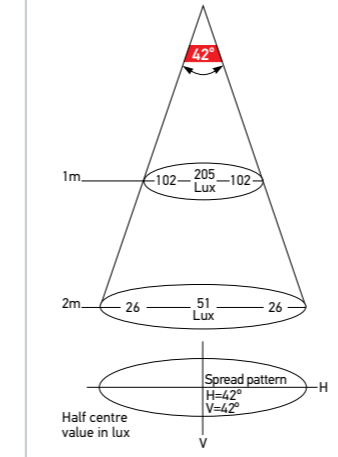


2652	2JA 958 124-021 - 12 Volt DC	WHITE
2652-24V	2JA 958 124-421 - 24 Volt DC	
Mounting	Surface mount	
Power Consumption	<3W	
Protection	Reverse polarity protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)	
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable	
See page 80 for surface mount strip lamp screw caps.		



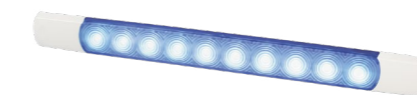
ILLUMINATION CHART

2652/2652-24V

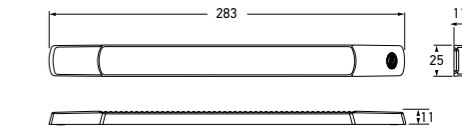


LED Courtesy Strip Lamps - Surface Mount

These LED Courtesy Surface Mount Strip Lamps feature a shallow 11mm profile and completely sealed housings. Available in blue and red colour variants.



2JA 980 881-402	12 Volt DC	BLUE
2JA 980 881-502	24 Volt DC	
2JA 980 881-602	12 Volt DC	RED
2JA 980 881-702	24 Volt DC	
Mounting	Surface mount	
Power Consumption	<2W	
Protection	Reverse polarity protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)	
Cable Length	Pre-wired with 0.5m of sheathed multi-core tinned cable	
See page 80 for surface mount strip lamp screw caps.		



LED Interior/Exterior Strip Lamps with Sealed Switch – Surface Mount

These LED interior surface mount strip lamps with sealed waterproof switch feature a shallow 11mm profile, completely sealed housings and class leading efficiency. The range is ideal for a wide range of interior or exterior applications.



Switch

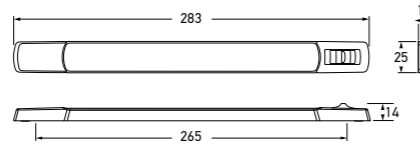


2JA 958 121-011
White/Blue

2JA 958 121-001
White/Red



Ultra slim height of only 11mm.



2652-SW	2JA 958 123-021 - 12 Volt DC	WHITE
2JA 958 121-011	- 12 Volt DC	WHITE/BLUE
2JA 958 121-411	- 24 Volt DC	WHITE/BLUE
2JA 958 121-001	- 12 Volt DC	WHITE/RED
2JA 958 121-401	- 24 Volt DC	WHITE/RED

Mounting	Surface mount	
Power Consumption	White function: <3W	Colour function: <1W

Protection As per Part No. 2652

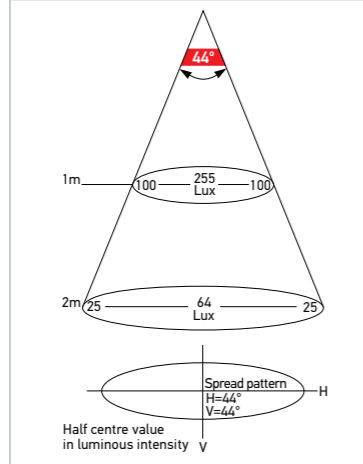
Cable Length Pre-wired with 2.5m of sheathed multi-core cable. Dual colour lamps are pre-wired with 0.5m of twin core cable.

Spare Parts	9.2652SW.09	1 White switch screw cap + 1 white standard screw cap
	9.2652SW.10	1 Charcoal switch screw cap + 1 charcoal standard screw cap

Note: 2652-SW includes charcoal screw caps.
2JA 958 121-011, 2JA 958 121-411, 2JA 958 121-001, 2JA 958 121-401 include white screw caps only.

ILLUMINATION CHART

2652-XXX / 2JA 958 121-XXX



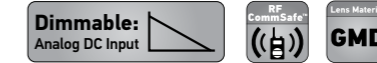
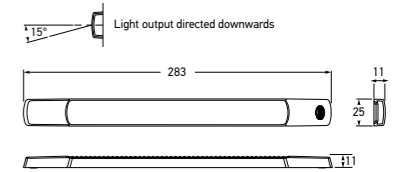
LED Interior/Exterior Awning Strip Lamps – Surface Mount - 15° Spread

LED Awning Lamp with an ultra slim profile of only 11 mm, a heavy duty nylon (PA12) lens and low power consumption of less than 3W, HELLA's new LED Awning Lamp is ideal for interior and exterior use. It comes complete with charcoal as well as white end caps and can be accessorised with a matching 45° mounting bracket to angle the beam further. Combining state of the art technology with sophisticated looks, this new low profile LED Awning Lamp is a lighting solution which will find many applications. The precision optic, with a 15° downwards spread pattern, is designed to cause minimum glare.



8HG 958 000-021

8HG 958 000-011



98087900	2JA 980 879-001 - 12 Volt DC	WHITE
98087910	2JA 980 879-101 - 24 Volt DC	WHITE

Mounting Mounting Two hole surface mount

Power Consumption <3W

Protection Reverse polarity protection.
IP 6K7 (Protection against dust and temporary water immersion)
IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)

Cable Length Pre-wired with 2.5m of twin core cable

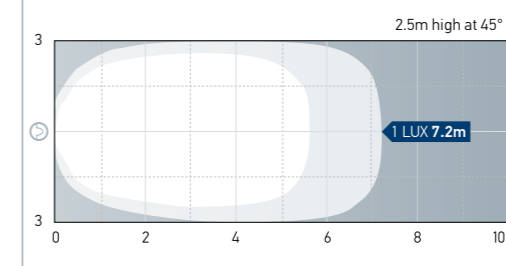
Lens Material Nylon (PA12)

Spare Parts 8HG 958 000-021 Mounting bracket 45° - Charcoal
8HG 958 000-011 Mounting bracket 45° - White

See page 80 for surface mount strip lamp screw caps.

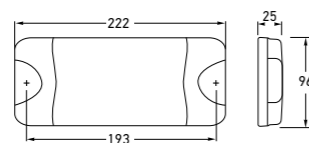
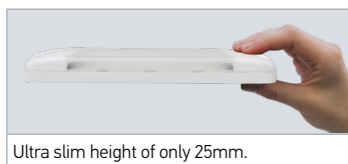
ILLUMINATION CHARTS

98087900/...10



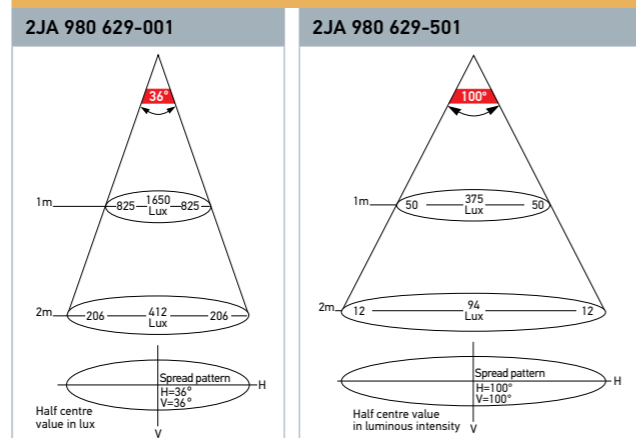
DuraLED® Combi-S 50 White LED Lamps

DuraLED® Combi-S 50 White LED lamps are an extremely powerful source of white light and are available in two light patterns, Spread and Wide Spread, to suit a variety of uses including engine rooms, storage lockers or other heavy duty applications where reliability cannot be compromised. Each lamp is completely sealed, UV, impact and shock resistant ensuring an ultra-long service life.



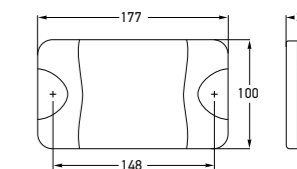
2JA 980 629-501	WIDE SPREAD
2JA 980 629-001	SPREAD
Mounting	Two hole surface mount with mounting bushes supplied
Voltage	Multivolt for optimum brightness at input voltages from 9 to 33 volts
Power Consumption	<12W
Protection	Reverse polarity and transient spike circuit protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high pressure/steam jet cleaning)
Cable Length	Pre-wired with 2.5m of cable
Compliance	

ILLUMINATION CHARTS



DuraLED® White 36 LED Lamps

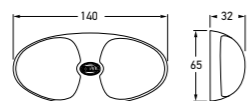
White LED Interior Lamp with either a diffusion or clear acrylic lens. The lamps are shock and vibration proof and are fully sealed against dust and moisture ingress.



2JA 959 037-501	DIFFUSED
2JA 959 037-511	SPREAD
Mounting	Two hole surface mount with mounting bushes supplied
Voltage	Multivolt for optimum brightness at input voltages from 9 to 33 volts
Power Consumption	<9W
Protection	See DuraLED® White 36 LED Lamp above
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable
Lens Material	Acrylic
Compliance	

DuraLED® White 12 LED Wide Spread Lamp

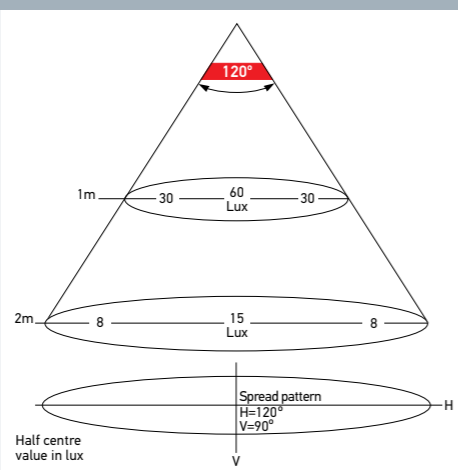
White high brightness LED Lamp. Exceptional light output, incorporating high efficacy electronics and LEDs resulting in low power consumption (<3 watts) and low heat. The lamp is fully sealed against dust and moisture ingress.



95970010	2JA 959 700-112 – White Shroud	WHITE
Mounting	Two hole surface mount with mounting bushes supplied	
Voltage	Multivolt for optimum brightness in 12 and 24 volt systems	
Power Consumption	<3W	
Protection	Reverse polarity and transient spike circuit protection. Fully sealed against dust, high-pressure washing and temporary water immersion.	
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable.	
Compliance	CE	

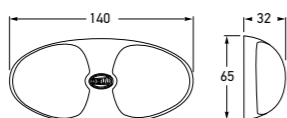
ILLUMINATION CHARTS

DuraLED® 12 LED



DuraLED® White 12 LED Wide Spread Lamps

Multi-purpose LED Lamps offering class leading efficiency and durability.



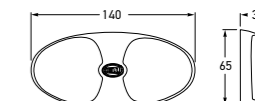
2JA 959 700-121 - Black Shroud	WHITE
Mounting	Two hole surface mount with mounting bushes supplied
Voltage	Multivolt for optimum brightness in 12 and 24 volt systems
Power Consumption	<3W
Colour Temperature	5000K (White) / 3000K (Warm White)
Temperature Range	-40°C to +60°C
Protection	Reverse polarity and transient spike circuit protection. Fully sealed against dust, high-pressure washing and temporary water immersion.
Cable Length	Pre-wired with 500mm of sheathed multi-core tinned cable
Compliance	CE

DuraLED® White 12 LED Wide Spread Lamps with Switch

Multi-purpose LED lamps offering class leading efficiency and durability

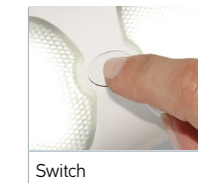
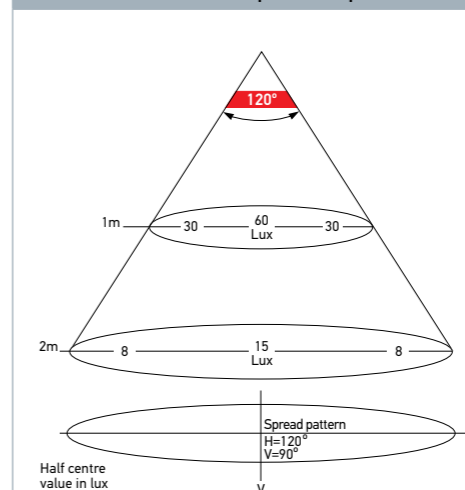


2JA 980 704-001 - White Shroud	WHITE
2JA 980 704-501 - White Shroud	WARM WHITE
Mounting	Two hole surface mount with mounting bushes supplied
Voltage	Multivolt for optimum brightness in 12 and 24 volt systems
Power Consumption	<3W
Colour Temperature	5000K (White) / 3000K (Warm White)
Temperature Range	-40°C to +60°C
Protection	Reverse polarity and transient spike circuit protection. Fully sealed against dust, high-pressure washing and temporary water immersion.
Cable Length	Pre-wired with 500mm of sheathed multi-core tinned cable
Compliance	CE



ILLUMINATION CHARTS

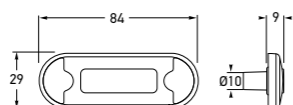
DuraLED® 12 LED - Wide Spread Lamp/...with Switch



Switch

DuraLED® Surface Mount Courtesy Lamps - Low Profile

These LED Courtesy Lamps feature a shallow 9mm profile and completely sealed housing. Available in a range of colours. Optic appears clear until illuminated.



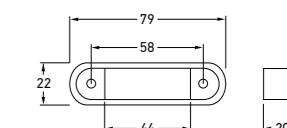
98085550	98085525
98085535	98085540

98085510	2XT 980 855-101		WHITE
98085525	2XT 980 855-251		AMBER
98085535	2XT 980 855-351		RED
98085540	2XT 980 855-401		BLUE
98085550	2XT 980 855-501		GREEN

Mounting	Two hole surface mount
Voltage	Multivolt for optimum brightness in 12 and 24 volt systems
Power Consumption	<0.5W
Protection	Reverse polarity protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)
Cable Length	Pre-wired with 0.5m of sheathed multi-core cable
Lens Material	Nylon (PA12)
Compliance	

LED Narrow Rim Rectangular Courtesy Lamps

Narrow Rim Flush Mount Courtesy Lamp with either white, red, amber, green or blue LEDs.



95951040	2XT 959 510-402 – 12/24 Volt, Clear lens		WHITE
95951015	2XT 959 510-152 – 12/24 Volt, Clear lens		GREEN
95951025	2XT 959 510-252 – 12/24 Volt, Clear lens		BLUE

Voltage	Multivolt for optimum brightness in 12 and 24 volt systems
Compliance	



95951033	2XT 959 510-332 – 24 Volt DC		RED
95951001	2XT 959 510-012 – 12 Volt DC		AMBER
95951006	2XT 959 510-062 – 24 Volt DC		AMBER

Mounting	Recess mount
Power Consumption	<1W
Protection	Reverse polarity protection. IP 6K6 (Protection against dust and high-pressure water jets) IP 6K7 (Protection against dust and temporary water immersion)
Cable Length	Pre-wired with 120mm of cable

DuraLED® Surface Mount Courtesy Lamp Accessories

Accessory Rims and Screw Caps for the LED surface mount courtesy lamp family.

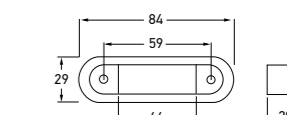


RIMS			
95968500	9AB 959 685-002 – 316 Stainless Steel		POLISHED
95968506	9AB 959 685-062 – 316 Stainless Steel		SATIN CHROME PLATED

SCREW CAPS			
9.2310.09BULK	9HD 980 858-007 – Pack of 4		BLACK
9.2310.11BULK	9HD 980 858-017 – Pack of 4		WHITE

LED Wide Rim Rectangular Courtesy Lamps

Wide Rim Flush Mount Courtesy Lamp with either white, red, amber, green or blue LEDs.



95951080	2XT 959 510-802 – Clear lens		WHITE
95951095	2XT 959 510-952 – Clear lens		GREEN
95951065	2XT 959 510-652 – Clear lens		BLUE

Voltage	Multivolt for optimum brightness in 12 and 24 volt systems.
Compliance	



95951071	2XT 959 510-712 – 12 Volt DC		RED
95951073	2XT 959 510-732 – 24 Volt DC		RED
95951051	2XT 959 510-512 – 12 Volt DC		AMBER
95951053	2XT 959 510-532 – 24 Volt DC		AMBER

Mounting	Recess mount
Power Consumption	<1W
Protection	Reverse polarity protection. IP 6K6 (Protection against dust and high-pressure water jets) IP 6K7 (Protection against dust and temporary water immersion)
Cable Length	Pre-wired with 120mm of cable

See page 68 for spare parts and accessories.

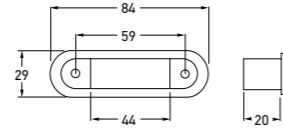
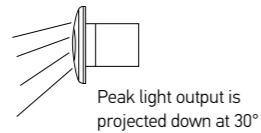
LED STEP/COURTESY

LED Wide Rim Rectangular Courtesy Step Lamps

Wide Rim, Flush Mount, Courtesy Step Lamp with either white, red, green or blue LEDs. Optic appears clear until illuminated.



95968060



95968080	2XT 959 680-861 – 12/24 Volt Clear lens	☐	WHITE
95968070	2XT 959 680-761 – 12/24 Volt Clear lens	☐	RED
95968060	2XT 959 680-641 – 12/24 Volt Clear lens	☐	BLUE
Mounting	Recess mount		
Voltage	Multivolt for optimum brightness in 12 and 24 volt systems		
Power Consumption	<1W		
Protection	Reverse polarity protection. IP 6K6 (Protection against dust and high-pressure water jets) IP 6K7 (Protection against dust and temporary water immersion)		
Cable Length	Pre-wired with 120mm of cable		
Compliance	CE		

See page 68 for spare parts and accessories.

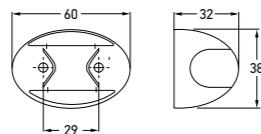
DuraLED® Surface Mount Courtesy Lamps

Blue, white or green LED Courtesy Lamps. Optic appears clear until illuminated.



95963025

95963055



95963046	2XT 959 630-462	☐	WHITE
95963025	2XT 959 630-261	☐	BLUE
95963055	2XT 959 630-561	☐	GREEN
Mounting	Two hole surface mount		
Voltage	Multivolt for optimum brightness in 12 and 24 volt systems		
Power Consumption	<1W		
Protection	Reverse polarity protection. IP 6K6 (Protection against dust and high-pressure water jets) IP 6K7 (Protection against dust and temporary water immersion)		
Cable Length	Pre-wired with 0.5m of cable		
Compliance	CE		

See page 68 for spare parts and accessories.



Technology with Vision



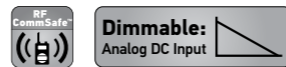
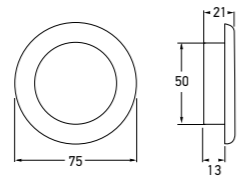
LED Interior Lighting

To suit your lifestyle choice



**LED Round Courtesy Lamps
- Clear Lens**

Attractive, energy efficient Round LED Courtesy Lamps for interior and exterior use. Available in nine exciting colours with a range of different rim finishes. Optic appears clear until illuminated.



98050001

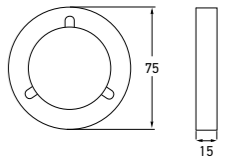


98050001	2XT 980 500-011 – 12 Volt DC		WHITE
98050101	2XT 980 501-011 – 24 Volt DC		WHITE
98050151	2XT 980 501-511 – 24 Volt DC		ENHANCED BRIGHTNESS WHITE
98050121	2XT 980 501-211 – 24 Volt DC		WARM WHITE
98050171	2XT 980 501-711 – 24 Volt DC		ENHANCED BRIGHTNESS WARM WHITE
98050721	2XT 980 507-211 – 12 Volt DC		RED
98050761	2XT 980 507-611 – 12 Volt DC		ORANGE
98050701	2XT 980 507-011 – 12 Volt DC		AMBER
Mounting	Recess mount with 50mm diameter hole		
Power Consumption	1W		
Protection	Reverse polarity protection. Fully sealed against dust, high-pressure washing and temporary water immersion.		
Cable Length	Pre-wired with 120mm of cable		

Each lamp includes a black and a white plastic rim. Additional rims and housings are available as spare parts.

Round Courtesy Lamp Accessories

Spare Rims for the Round Courtesy Lamp family. One rim is required per lamp.



95950550

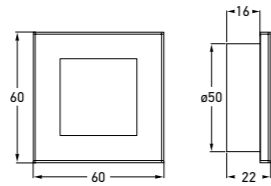


95950556

ROUND RIMS - SINGLE		
95950501	9AB 959 505-012 – Plastic	CHROME PLATED
95950520	9AB 959 505-203 – Plastic	BLACK
95950550	9AB 959 505-503 – 316 Stainless Steel	POLISHED
95950556	9AB 959 505-563 – 316 Stainless Steel	SATIN CHROME PLATED

LED Square Courtesy Lamps - Clear Lens

Attractive, energy efficient Square LED Courtesy Lamps for interior and exterior use. Optic appears clear until illuminated.



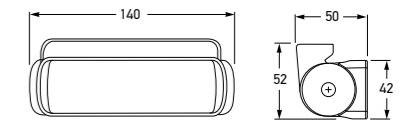
Warm White - Chrome Rim	Blue - Chrome Rim	Red - Chrome Rim
White - White Rim	Blue - White Rim	

2XT 980 580-551 – White Plastic Rim, 12 Volt DC		WHITE
2XT 980 580-571 – Chrome Plated Rim, 12 Volt DC		
2XT 980 581-571 – Chrome Plated Rim, 24 Volt DC		
2XT 980 580-751 – White Plastic Rim, 12 Volt DC		WARM WHITE
2XT 980 580-771 – Chrome Plated Rim, 12 Volt DC		
2XT 980 581-751 – White Plastic Rim, 24 Volt DC		
2XT 980 581-771 – Chrome Plated Rim, 24 Volt DC		BLUE
2XT 980 582-251 – White Plastic Rim, 12 Volt DC		
2XT 980 582-271 – Chrome Plated Rim, 12 Volt DC		
2XT 980 587-271 – Chrome Plated Rim, 12 Volt DC		RED
2XT 980 588-251 – White Plastic Rim, 24 Volt DC		
2XT 980 588-271 – Chrome Plated Rim, 24 Volt DC		
Mounting	Recess mount, 50mm diameter hole	
Power Consumption	1W	
Protection	Reverse polarity protection. Fully sealed against dust, high-pressure washing and temporary water immersion.	
Cable Length	Pre-wired with 120mm of cable	

Additional rims and housings are available as spare parts.

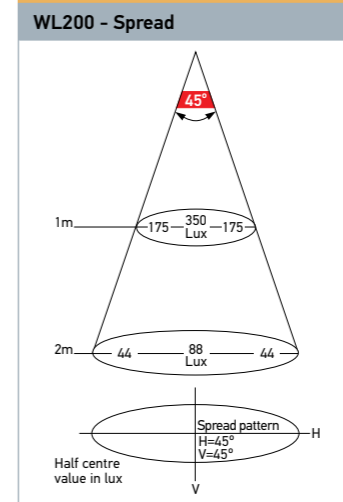
DuraLED® WL200 Work Lamps

LED Universal Work Lamp with low profile stainless steel bracket. Lamp may be mounted upright or pendant and may be adjusted vertically up or down. Totally sealed against dust and moisture and with a tough, chemical resistant nylon (PA12) lens. Option of two light patterns, narrow or spread.



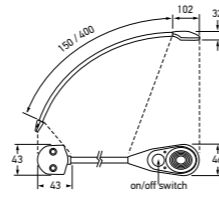
98067030	1GA 980 670-421 – Spread	WHITE
Mounting	Upright or Pendant	
Voltage	Multivolt for optimum brightness at input voltages from 9 to 33 volts	
Power Consumption	3W	
Max. Light Output	200 lumens	
Protection	Reverse polarity and voltage spike protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning)	
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable	
Lens Material	Nylon (PA12)	
Compliance	CE	

ILLUMINATION CHARTS



LED Flexible Map Reading Lamps

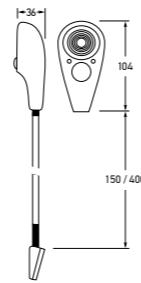
LED Map Reading Light featuring a strong flexible shaft and an on/off switch on the lamp head. Low power consumption.



2JA 346 720-021	previously 2638	150MM
2JA 346 720-121	previously 2639	400MM
Mounting	Screw Mount	
Voltage	Multivolt for optimum brightness at input voltage from 9 to 31 volts	
Power Consumption	2.4W	
Protection	Reverse polarity protection. IP 53 (Protection against dust and water spray)	
Cable Length	Pre-wired with 150mm of cable	
Compliance	CE	
Suitable for interior use only.		

LED Flexi Chart Table Lamps

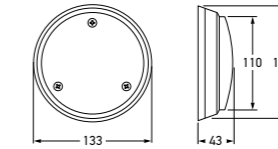
LED Map Reading Light featuring a strong flexible shaft and an on/off switch on the lamp head. Low power consumption.



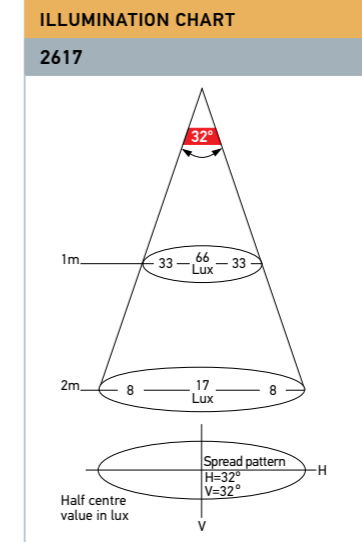
2JA 343 720-522	WHITE/RED	150MM
2JA 343 720-622	WHITE/RED	400MM
Mounting	Screw Mount	
Voltage	Multivolt for optimum brightness at input voltage from 9 to 31 volts	
Power Consumption	2W	
Protection	Reverse polarity protection. IP 53 (Protection against dust and water spray)	
Cable Length	Pre-wired with 120mm of twin core cable	
Compliance	CE	
Suitable for interior use only.		

Interior Lamp - Polycarbonate Base with Switch

Complete with on/off switch. Suitable for insulated earth circuits.



2617	2JA 950 959-001	WHITE RIM
Globes to Suit	12V 24V	K1210 K2410
Spare Part	2.9800.08	Clear Lens





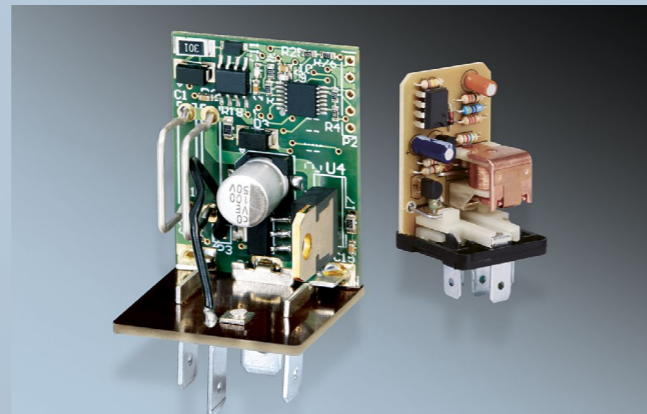
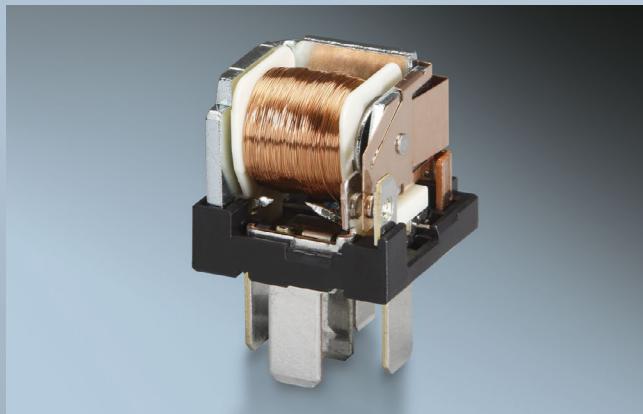
Contents

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Relays and Flasher Units

HELLA manufactures more than 100 million units per year and thanks to optimised production, HELLA relay and flasher units consistently benchmark with the highest reliability in the industry.



HELLA RELAYS

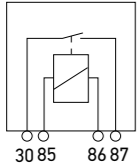
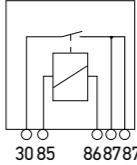
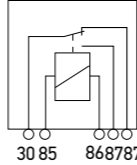
HELLA offers a comprehensive range of relays to suit 12 and 24 volt applications. Quality accessories facilitate the expansion into new applications and provide customers with new solutions.

COMMON PIN DESIGNATIONS FOR RELAYS

Pin No.	Description	Eliminating Voltage Spikes
85/2	Earth (end of winding to ground or negative)	
86/1	Positive	
87/5	Output (to consumer e.g. driving lamp)	
87a/4	Alternative output (1st output, break side)	
30/3	Positive supply (Input from + battery terminal, direct)	

Voltage spikes from 300V to 500V can occur momentarily when a relay is switched off. Sensitive electronic equipment can be damaged or malfunctions can occur if these spikes reach the vehicle electrical network without suppression. A relay with a diode or resistor in parallel with the coil eliminates voltage spikes completely.

The Different Types of Relays

The Normally Open Relay	The Normally Open Relay with Dual Output	The Change-over Relay
		
<p>A normally open relay is used to close the electric circuit between power source and electrical load, i.e. the load is switched on. Relays are operated by means of switches, pulse generators or control devices.</p> <p>Application: Headlamps, auxiliary driving lamps, auxiliary fog lamps, horns, heaters, motors for fans and power windows, air-conditioners and ignition assemblies.</p>	<p>The change-over relay changes the load path from one electrical load to another. The relay is operated by a dashboard switch.</p> <p>Application: Switching over from town horn to fanfare horn, for 2 speed appliances such as heated rear window or fan motors.</p> <p>Change-over relays can be used as:</p> <ul style="list-style-type: none"> • Change-over relays • Normally open relays • Normally closed relays 	

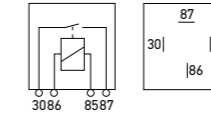
Relays have been predicted to be obsolete in modern vehicles, however the automotive industry needs relays since relay functions cannot always be replaced by control units. Only relays make "galvanic isolation" possible between input and output. Semi-conductor devices cannot manage this at the moment. Another positive factor is the cost advantage relays have compared with an electronic solution.

In motor vehicles, relays are used to switch high currents. For example, the engine control unit is switched by a relay. Their sturdiness allows them to be installed near electric consumers. As only low control currents are required, the cable cross-sections can be kept small. The switching/amplifier function of a relay can only be achieved with a lot more effort and a lot less reliability using "modern" electronics. An additional advantage is that the replacement of a relay is quick and easy. These characteristics guarantee that relays will have a regular place in many vehicles for a long time to come.

Trust in our Quality Relays

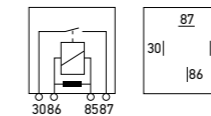
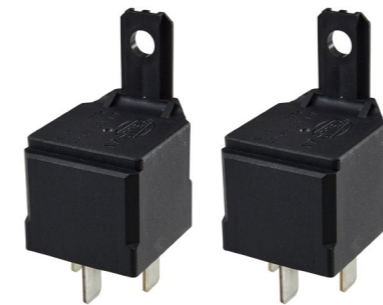
- Production expertise: HELLA supplies more than 100 million relays per year. Thanks to optimised production we can offer a competitive price for customers. HELLA relays have an extremely low failure rate.
- OEM customers: HELLA develops and produces relays for AGCO, Claas, Daimler AG, Ford, VW, GM, JCB, Opel, Nissan, John Deere, Chrysler and Jaguar/Land Rover among others. We have been working with many customers for decades.

Mini Relay - Normally Open



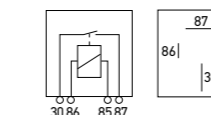
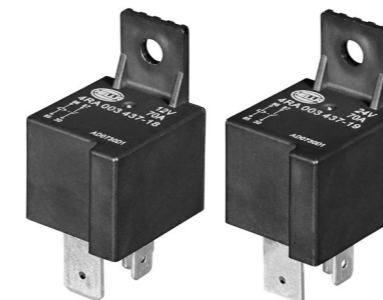
4RA 965 400-071	3078	4 PIN NORMALLY OPEN MINI RELAY, 12 VOLT
4RA 965 400-101	3079	4 PIN NORMALLY OPEN MINI RELAY, 24 VOLT
Rated Current	12V : 40A 24V : 20A	
Switching Type	Normally Open, SPST	
Mounting	Integrated bracket	

Mini Relay - Normally Open, Resistor Protected



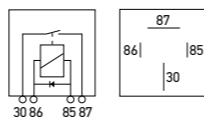
4RA 007 791-021	4 PIN NORMALLY OPEN MINI RELAY, RESISTOR PROTECTED, 12 VOLT
4RA 007 957-011	4 PIN NORMALLY OPEN MINI RELAY, RESISTOR PROTECTED, 24 VOLT
Rated Current	12V : 40A 24V : 20A
Switching Type	Normally Open, SPST
Mounting	Integrated bracket
Coil protection	Resistor parallel to coil

Mini High current Relay - Normally Open, Wide power terminal



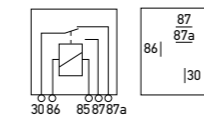
4RA 003 437-181	3084	4 PIN NORMALLY OPEN MINI RELAY, 12 VOLT
4RA 003 437-191	3085	4 PIN NORMALLY OPEN MINI RELAY, 24 VOLT
Rated Current	12V & 24V : 70A	
Switching Type	Normally Open, SPST	
Mounting	Integrated bracket	
Coil protection	Coil (85, 86) 6.3mm wide, Switched (30, 87) 9.5mm wide	

Mini High current Relay - Normally Open, Wide power terminal, Diode Protected



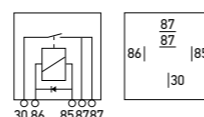
4RA 007 793-041	4 PIN NORMALLY OPEN MINI RELAY, DIODE PROTECTED, 12 VOLT
Rated Current	50A
Switching Type	Normally Open, SPST
Mounting	Integrated bracket
Coil protection	Diode parallel to coil
Terminals	Coil terminals (85, 86) 6.3mm wide, Switched (30, 87) 9.5mm wide

Mini Relay - Changeover



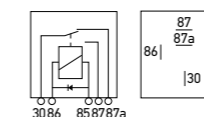
4RD 933 332-041	3080	5 PIN CHANGEOVER MINI RELAY, 12 VOLT
4RD 933 332-061	3081	5 PIN CHANGEOVER MINI RELAY, 24 VOLT
Rated Current	12V : 40A 24V : 20A	
Switching Type	Changeover (N/O Terminal 87, N/C Terminal 87a), SPDT	
Mounting	Integrated bracket	

Mini Relay - Normally Open, Double output terminal, Diode Protected



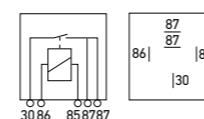
4RA 933 791-091	3055	5 PIN NORMALLY OPEN MINI RELAY, DIODE PROTECTED, 12 VOLT
Rated Current	40A	
Switching Type	Normally Open, SPST (Double output terminal)	
Mounting	Integrated bracket	
Coil protection	Diode parallel to coil	

Mini Relay - Changeover, Diode Protected



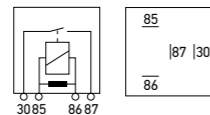
4RD 933 332-271	3057	5 PIN MINI CHANGEOVER RELAY, DIODE PROTECTED, 12 VOLT
4RD 933 332-081	3058	5 PIN MINI CHANGEOVER RELAY, DIODE PROTECTED, 24 VOLT
Rated Current	12V : 40A 24V : 20A	
Switching Type	Changeover (N/O Terminal 87, N/C Terminal 87a), SPDT	
Mounting	Integrated bracket	
Coil protection	Diode parallel to coil	

Mini Relay - Normally Open, Double output terminal



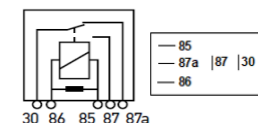
4RA 933 791-071	5 PIN NORMALLY OPEN MINI RELAY, RESISTOR PROTECTED, 24 VOLT
Rated Current	20A
Switching Type	Normally Open, SPST (Double output terminal)
Mounting	Integrated bracket
Coil protection	Resistor parallel to coil

Micro Relay - Normally Open, resistor protected



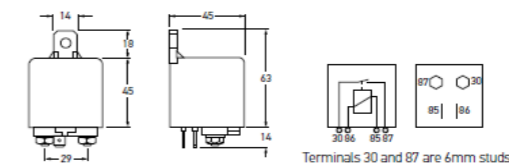
4RA 933 766-111	4 PIN NORMALLY OPEN MICRO RELAY, 12 VOLT
Rated Current	20A
Switching Type	Normally Open, SPST
Coil protection	Resistor parallel to coil

Micro Relay - Changeover, Resistor protected



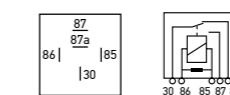
4RD 965 453-041	5 PIN MICRO CHANGEOVER RELAY, 12 VOLT
4RD 933 319-011	5 PIN MICRO CHANGEOVER RELAY, 24 VOLT
4RD 933 319-001	5 PIN MICRO CHANGEOVER RELAY, WITH LOCKING TABS, 12 VOLT
Rated Current	12V with locking tabs: 35A 12/24V without locking tabs: 20A
Switching Type	Changeover (N/O Terminal 87, N/C Terminal 87a), SPDT
Coil protection	Resistor parallel to coil

Large High Capacity universal relays



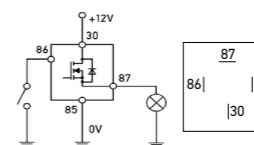
4RA 905 330-041	3061	4 TERMINAL NORMALLY OPEN LARGE RELAY, 12 VOLT
4RA 905 330-281	3062	4 TERMINAL NORMALLY OPEN LARGE RELAY, 24 VOLT
Rated Current	12V : 100A 24V : 180A Peak	
Switching Type	Normally Open, SPST	
Mounting	Integrated bracket	
Connections	Switching (Terminals 85 & 86) 6.3mm spade	

Weather Proof Change-over Relays, Resistor protected



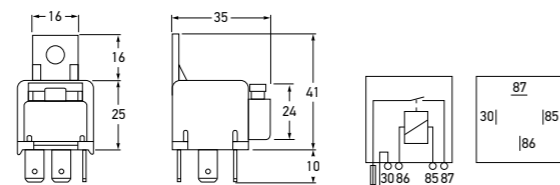
8KW 910 182-001	HMWPR01	5 PIN CHANGEOVER RELAY AND SOCKET, RESISTOR AND WEATHER PROTECTED, 12 VOLT
4RD 933 332-031		RELAY ONLY, 12 VOLT
8KW 910 182-011	HMWPR02	5 PIN CHANGEOVER RELAY AND SOCKET, RESISTOR AND WEATHER PROTECTED, 24 VOLT
4RD 933 332-201		RELAY ONLY, 24 VOLT
8JD 745 801-001		PRE-WIRED RELAY SOCKET ONLY
Rated Current	12V : 40A 24V : 20A	
Switching Type	Changeover (N/O Terminal 87, N/C Terminal 87a)	
Mounting	Clip on metal bracket	

Mini Solid State Relay



4RA 931 774-031	4 PIN SOLID STATE RELAY, 12 VOLT
Rated Current	22A
Switching Type	Terminal 86 switched low to activate, PWM accepted
Protection	IP67 to dust and water

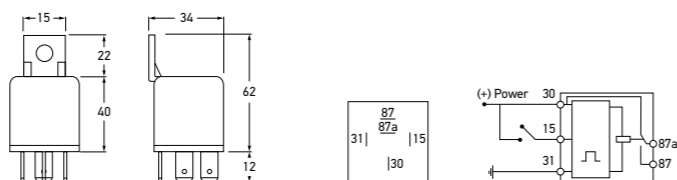
Normally Open Fused Relay



4RA 003 530-043	3076	4 PIN	12 VOLT DC
Maximum Load	25A with 25A fuse		
Current Draw	140mA		

Time Control Units with Drop-out Delay

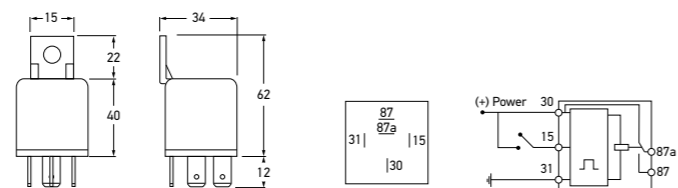
Relay with manually adjustable drop-out delay function, 0 – 900 seconds.



5HE 996 152-131	3086-12V	5 PIN	12 VOLT DC
5HE 996 152-141	3086-24V		24 VOLT DC
Maximum Load	Contact opened 10A Contact closed 20A/30min		
Protection	IP 50 (Protection against dust)		
Switching terminal 15 starts timing.			

Time Control Units with Pick-up Delay

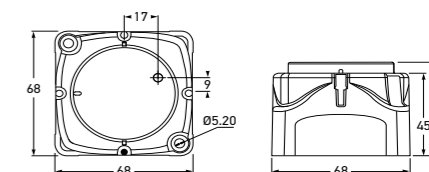
Relay with manually adjustable pick-up delay function, 0 – 900 seconds.



5HE 996 152-151	3087-12V	5 PIN	12 VOLT DC
35HE 996 152-161	3087-24V		24 VOLT DC
Maximum Load	Contact opened 10A Contact closed 20A/30min		
Protection	IP 50 (Protection against dust)		
Switching terminal 15 starts timing.			

Voltage Sensitive Relay Module

Digital Voltage Sensitive Relay with dual sensing for 12 and 24 volt systems. Suitable for boats, caravans and 4WD vehicles, this relay allows a separate battery to be used independently from another battery permitting, for example, the starting battery not to be discharged. However when either battery is charged, the relay will connect both batteries to allow dual charging. Very low power consumption (less than 2mA) or none in power storage mode.



4RD 980 830-001	3099	12/24 VOLT DC
Voltage	Multivolt, suitable for 12 and 24 volt systems.	
Mounting	Recess or surface mount.	
Max. Continuous Load	140A	
Termination	2 x 6mm studs	

Voltage Sensitive Relay (VSR)

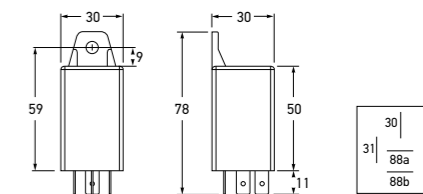
The Voltage Sensitive Relay (VSR) is designed to automatically monitor the battery condition of your vehicle through constant voltage measurements. Then depending upon the voltage level the VSR will activate or deactivate the connected load to prevent the battery from over-discharging.



3101 Voltage Sensitive Relay



The Voltage Sensitive Relay installation must be protected by a suitably rated fuse.



5DS 980 818-501	3101
Voltage	Multivolt, suitable for 12 and 24 volt systems.
Max. Continuous Load	5A
Compliance	

WIRING SPECIFICATIONS		PRE-SET VOLTAGE LIMITS AND OPERATION		
Terminal No.	Connect to	System Voltage	VSR turns outputs ON when	VSR turns outputs OFF when
30	Battery (+)	12V DC	Battery voltage is above 13.4V DC	Battery voltage is below 12.8V DC
31	Earth return (-)			
86	Activate (+) / Deactivate VSR (- or open)	24V DC	Battery voltage is above 26.8V DC	Battery voltage is below 25.6V DC
88a & 88b	Dual outputs (+)	Note	The pre-set voltage values stated above may vary by +/- 3%.	

Mini Relay Connector

Single screw mounting. Sturdy plastic casing. Supplied with 5 blade terminals. Several holders may be joined together.



8JA 003.526-901	4973	
8JA 003.526-911	4973BULK	PACK OF 50
Mounting	Single screw mounting.	
To Suit	4 and 5 pin relays with 6.3mm flat pin connectors.	

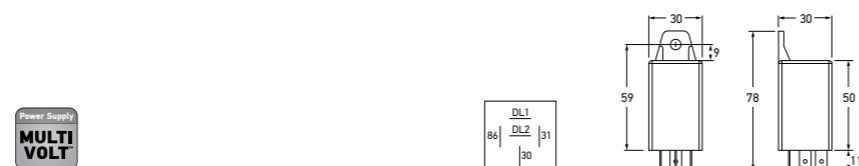
Safety DayLights™ Smart Controllers

This Smart Controller is designed to simplify the installation of HELLA's LED Safety DayLights™ range by eliminating the need to wire the lamp, or changeover relay to ignition terminal 15.

The Safety DayLights™ Smart Controller can be wired directly to the positive terminal of the battery, which saves the difficult and often time consuming task of finding the ignition feed.

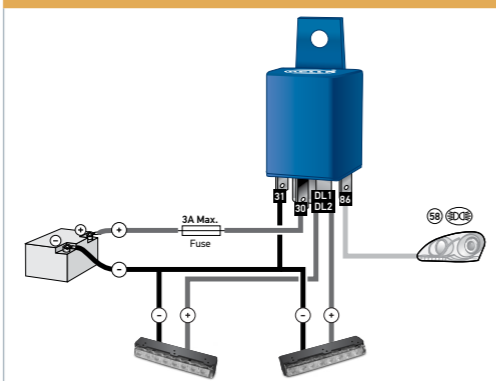
The Smart Controller monitors the voltage supply from the battery and will automatically switch the Safety DayLights™ on when the engine is started, and automatically switch them off when the headlamps are activated, or the engine is turned off.

*Advanced version with vibration monitor for installation in vehicles with fuel saving alternators.



5DF 980 818-011	3090	ADVANCED
5DF 980 818-001	3091	STANDARD
Voltage	Multivolt, suitable for 12 and 24 volt DC systems.	
Maximum Continuous Load	20W	
To Suit	HELLA LED Safety DayLights™ range.	
Features a Safety DayLights™ OFF delay of approximately 10 seconds.		

RECOMMENDED INSTALLATION DIAGRAM FOR WIRING



WIRING SPECIFICATIONS

Terminal Number	Connect to
30	Battery (+)
31	Earth return (-)
86	Front position or headlamps (+)
DL1 & DL2	Safety DayLights™ (+)



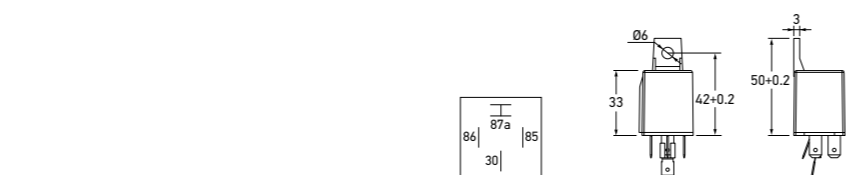
3091 (Standard)

Dual Function Safety DayLights™ Controllers

This Controller is designed to turn your HELLA Safety DayLights™ into front position lamps at night. The dual function controller is connected and activated by the headlamp of the vehicle.

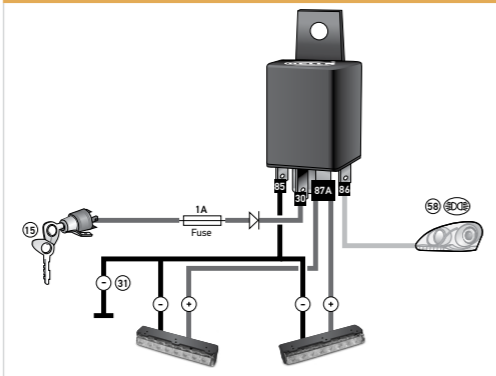
The Dual Function Controller reduces the current to the Safety DayLights™ thus turning them into road legal* front position lamps. Only one controller is required for a pair of HELLA Safety DayLights™.

* Please note legally required spacing of front position lamps and only one pair of front position lamps is legally permitted.



5DF 980 816-041	9.5630.03	12 VOLT DC
To Suit	9.5630.03	Part No. 1009, 5619, 5630, 5631

RECOMMENDED INSTALLATION DIAGRAM FOR WIRING



WIRING SPECIFICATIONS

Terminal Number	Connect to
30	Ignition (+)
85	Earth return (-)
86	Front position or headlamps (+)
87A	Safety DayLights™ (+)



HELLA COMPATIBILITY SOLUTION

HELLA HCS lamps, electronic control and flasher units are designed to the latest ISO International Standard to provide compatibility with commercial vehicle indicator failure systems.

Vehicles driven on public roads require the operation of direction indicator lamps to be monitored and a fault instantly signalled to the driver. Direction indicator lamps are an important road safety feature, signalling the direction change of the vehicle. Failure to signal or failure to recognise a direction indicator signal poses a significant risk of causing an accident.

LED direction indicator lamps offer a reliable Fit and Forget solution and have become the choice for cost conscious transport operators. LED lamps with their low power consumption and Multivolt features, are often a challenge for existing lamp failure detection systems on modern trucks and buses.

Transport fleets often feature a mix of trailers equipped with globe based lamps as well as trailers with full LED based lighting solutions. For the efficient operation of the fleet, each of these trailers should be compatible with the indicator failure detection systems of any of the trucks in the fleet, both now and in the future.

Some manufacturers recommend fitting additional resistive loads in parallel to the LED lamps, to simulate the 21 watts consumed by a traditional globe lamp.

Such pure resistive load solutions can be problematic for the following reasons:

- They mask the possible failure of the actual LED signal lamp itself.
- In many cases such pure resistive solutions do not function as they provide a linear time/current response which is significantly different to the time/current response of a globe filament when it heats up, as in the initial heat-up period the globes consume significantly more power than the rated 21 Watt.
- Additional parallel resistors consume a significant amount of energy and thus negate the lower power advantage that LED lamps offer.
- LED lamps marked with the HCS symbol feature patented indicator failure control technology which allows seamless communication with HELLA HCS control flasher units, or modern European trucks with body controllers compliant with the ISO 13207-1 standard.

International Organisation for Standardisation

The International Organisation for Standardisation (ISO) is a network of national standards bodies working together to develop International Standards. Currently ISO has members from 162 countries and 3,368 technical bodies working to a common goal of making international trade and industry more effective and efficient. The standards operate by global consensus, with many governments adopting the standards into their legislation.



"HELLA Australia has been instrumental in the development of the HELLA Compatibility System (HCS)"

ISO 13207-1 Standard

ISO 13207-1 specifies a precisely timed pulse for a low power LED lamp, which momentarily mimics the power consumption of a conventional incandescent globe. This pulse is suppressed when the LED direction indicator diagnoses itself as faulty. An ISO 13207-1 compatible flasher or vehicle body controller interprets the pulse suppression and alerts the driver to a faulty lamp or faulty wiring.

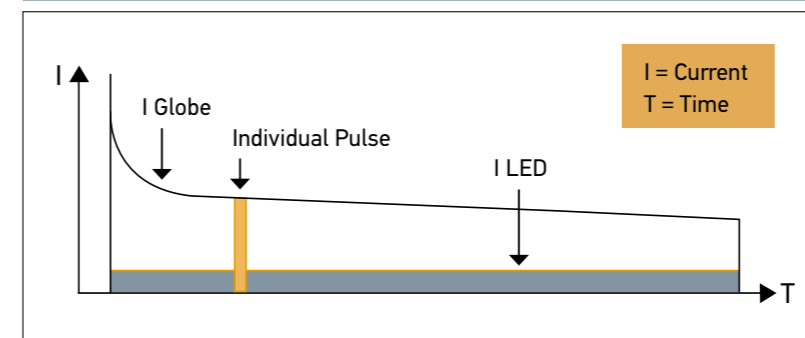
Body Control Modules or HCS flasher units together with LED lamps designed to ISO 13207-1 maintain the benefit of low power LED lamps, as opposed to a parallel resistor which increases the power consumption to that of a 21 watt globe.

HELLA Australia has been instrumental in laying the groundwork for the development of the HELLA Compatibility System (HCS), which became the blueprint for the ISO 13207-1 standard. HELLA HCS lamps are fully compliant with ISO 13207-1.

ISO 13207-1 has been agreed to by European truck manufacturers and will be incorporated into the vehicle monitoring electronics of European trucks.

Astute transport fleet operators are already future-proofing their trailers by specifying HELLA HCS Fit and Forget LED lighting solutions which will be plug-and-play with 24 volt European trucks.

HELLA lamps which incorporate HCS readily comply with ISO 13207-1.



The HCS innovation generates a pulse that simulates the current draw equivalent to an incandescent globe.

HELLA HCS Lamps



HELLA products throughout this catalogue displaying the HCS logo incorporate HELLA Compatibility Solutions technology.



2391



2133-CS



2378-CS



2431-CS



2151-HCS

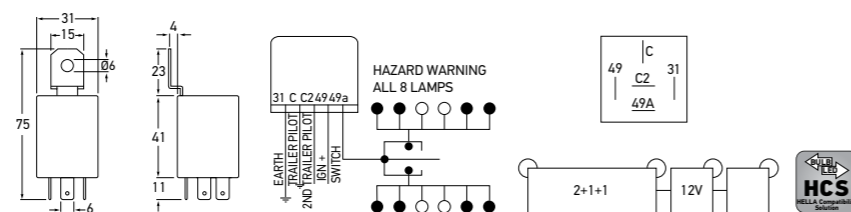


2146-HCS

A selection of HCS products.

HCS Electronic Flasher Unit 2+1+1

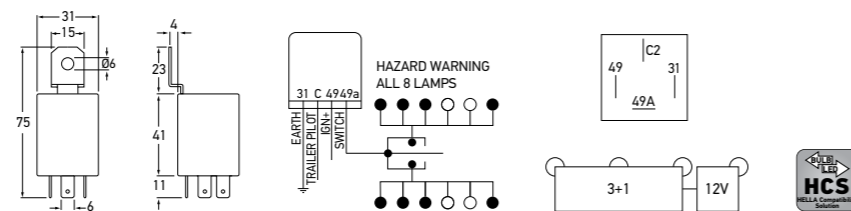
LED Compatible Flasher Unit specifically designed for use with HCS (HELLA Compatibility Solution) LED indicator lamps. Provides stable flash rate and reliable globe/LED lamp failure indication, for towing vehicles and trailers. Suitable to operate combinations of HCS LED and conventional 21W globe-type lamps.



4DN 009 492-101	3036	12 VOLT DC
Maximum Load	2+1+1(8) x HCS or 21W + 0-5W	
Frequency	90 +/- 30 flash signals per minute for direction indication and hazard warning.	
Protection	IP 53 (Protection against dust and water spray)	
See page 254-255 for further information on HCS Technology		

HCS Electronic Flasher Unit 3+1

LED Compatible Flasher Unit specifically designed for use with HCS (HELLA Compatibility Solution) LED indicator lamps. Provides stable flash rate and reliable globe/LED lamp failure indication, for towing vehicles and trailers. Suitable to operate combinations of HCS LED and conventional 21W globe-type lamps.



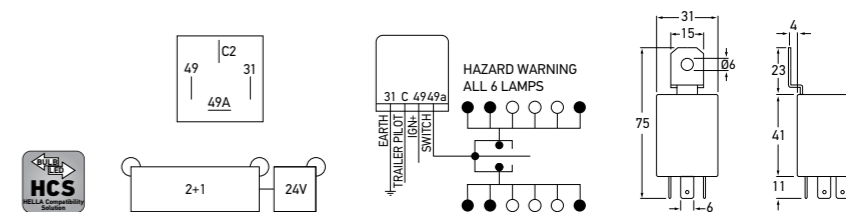
4DW 009 492-111	3039	12 VOLT DC
Maximum Load	3+1 (8) x HCS or 21W	
Frequency	90 +/- 30 flash signals per minute for direction indication and hazard warning.	
Protection	IP 53 (Protection against dust and water spray)	
See page 254-255 for further information on HCS Technology		

COMMON PIN DESIGNATIONS FOR FLASHER UNITS

Terminal Number	Description
49/X	Flasher input (+)
49a/L	Flasher output (+) to lamps or indicator switch
30b	Flasher input (+) from hazard switch
31	Earth (-)
C/C1/CP/P	Pilot lamp output (+)
C2	1st trailer pilot lamp output (+)
C3	2nd trailer pilot lamp output (+)

HCS Electronic Flasher Unit 2+1

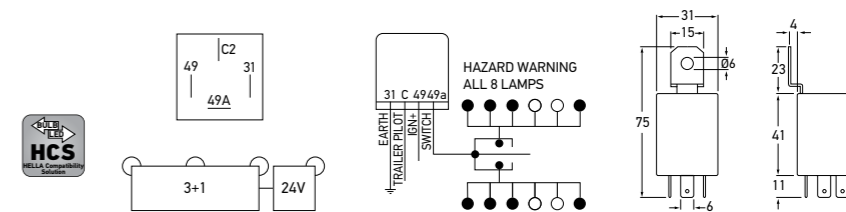
LED Compatible Flasher Unit specifically designed for use with HCS (HELLA Compatibility Solution) LED indicator lamps. Provides stable flash rate and reliable globe/LED lamp failure indication, for towing vehicles and trailers. Suitable to operate combinations of HCS LED and conventional 21W globe-type lamps.



4DM 009 492-001	3037	24 VOLT DC
Maximum Load	2+1 (6) x HCS or 21W + 0-5W	
Frequency	90 +/- 30 flash signals per minute for direction indication and hazard warning.	
Protection	IP 53 (Protection against dust and water spray)	
See page 254-255 for further information on HCS Technology		

HCS Electronic Flasher Unit 3+1

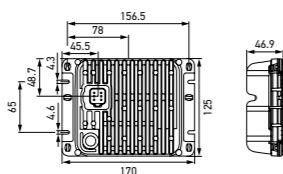
LED Compatible Flasher Unit specifically designed for use with HCS (HELLA Compatibility Solution) LED indicator lamps. Provides stable flash rate and reliable globe/LED lamp failure indication, for towing vehicles and trailers. Suitable to operate combinations of HCS LED and conventional 21W globe-type lamps.



4DW 009 492-011	3038	24 VOLT DC
Maximum Load	3+1 (8) x HCS or 21W	
Frequency	90 +/- 30 flash signals per minute for direction indication and hazard warning.	
Protection	IP 53 (Protection against dust and water spray)	
See page 254-255 for further information on HCS Technology		

HCS Basic Control Unit (12V and 24V)

HCS LED indicator outage monitoring unit with 21W bulb current simulation. For vehicles without flasher units that carry out current measurement for the failure check. In combination with trucks/trailers fitted with HELLA HCS LED indicator lamps, the control unit simulates the time/current response of an incandescent bulb. Two variants suitable for vehicles operating with 12V or 24V.

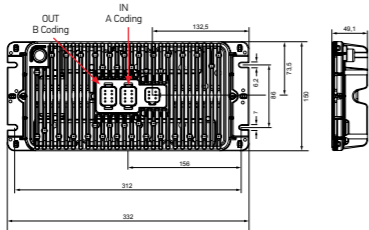


5DS 227 488-001	12 VOLT DC
5DS 227 488-101	24 VOLT DC
Operating Voltage	12V DC / 24V DC
Connection	DT Type 6-Pin Socket (Indicator Circuit Input/Output)
Note	Control unit is responsible only for monitoring the direction indicators.
See page 254-255 for further information on HCS Technology	



HCS Premium Control Unit (12V, 12V and 24V)

Similar to the basic version, but with additional features for the whole rear lighting: tail lights, stop lights, direction indicators, reversing lights, and rear fog light. Suitable for vehicles operating with 12V or 24V systems and 1 stop light channel or 12V systems and 2 stop light channels.

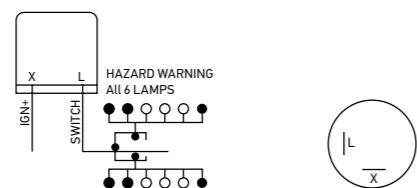


5DS 227 489-001 – 1 Stop Light Channel	12 VOLT DC
5DS 227 489-011 – 2 Stop Light Channels	12 VOLT DC
5DS 227 489-101 – 1 Stop Light Channel	24 VOLT DC
Operating Voltage	12V DC / 24V DC
Connection	DT Type 6-Pin Socket (Indicator Circuit Input/Output) DT Type 8-Pin Socket, 'A-Coded' (Other Functions Input) DT Type 8-Pin Socket, 'B-Coded' (Other Functions Output)
Note	Control unit is responsible for monitoring the whole rear lighting (tail lights, brake lights, direction indicators, reversing light and rear fog light).
See page 254-255 for further information on HCS Technology	



High Capacity Flasher Unit

2-Pin High-Capacity Flasher. Max. 6 lamps. Suitable for hazard warning applications.

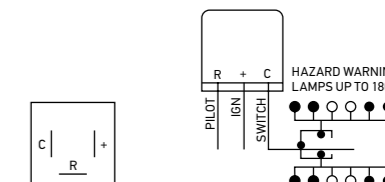


4LZ 905 728-061	3008	2 PIN	12 VOLT DC
Maximum Load	6 x 24W (32 cp)		



High Capacity Flasher Unit

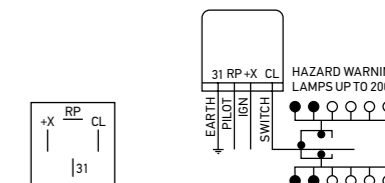
Heavy-Duty Flasher Unit manufactured to take up to 180W loads.



4AZ 910 353-001	3014	3 PIN	12 VOLT DC
Maximum Load	180W		

High Capacity Flasher Unit

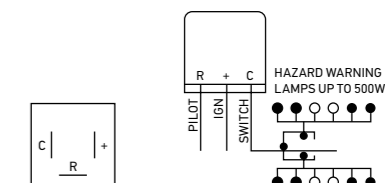
4-Pin Heavy-Duty Electronic Flasher Unit designed to take up to 200W loads.



4AZ 003 787-081	3014HD	4 PIN	12 VOLT DC
Maximum Load	10-200W		
Note	Not suitable for extended periods of continuous use at maximum load. Maximum pilot lamp load 3W.		

High Capacity Flasher Unit

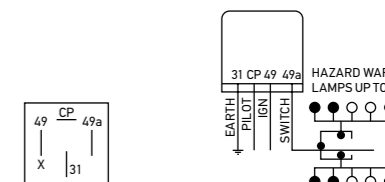
Heavy-Duty Flasher Unit manufactured to take up to 500W loads.



4AZ 957 224-001	3015	3 PIN	24 VOLT DC
Maximum Load	500W 100W continuous		
Note	Not suitable for extended periods of continuous use at maximum load. For pilot (warning) signal output from terminal "R" a minimum load of 2 x 21W + 5W = 47W must be applied. With less than 47W load the pilot (warning) signal output from terminal "R" will not operate to indicate globe failure to the driver. Maximum pilot lamp load 3W.		

High Capacity Flasher Unit

4-Pin Heavy-Duty Electronic Flasher Unit designed to take up to 200W loads.



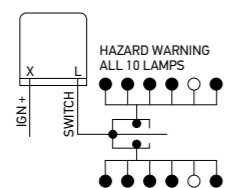
4AZ 003 787-071	3015HD	4 PIN	24 VOLT DC
Maximum Load	10-200W		
Note	Not suitable for extended periods of continuous use at maximum load. Maximum pilot lamp load 3W.		

FLASHER UNITS

FLASHER UNITS

High Capacity Flasher Unit

High Capacity Electronic Flasher Unit. Complete with bracket. Designed to take up to 210W loads. Reverse polarity protection, polycarbonate cover and silver contacts. Clear audible signal.



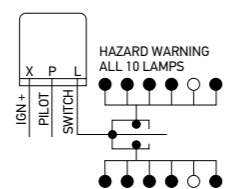
4LZ 961 553-124	3026	2 PIN	12 VOLT DC
Maximum Load		1-10 x 21W	

High Capacity Flasher Units

High Capacity Electronic Flasher Unit. Complete with bracket. Designed to take up to 210W loads. Reverse polarity protection, polycarbonate cover and silver contacts. Clear audible signal.



3027



4LZ 961 553-133	3027	3 PIN	12 VOLT DC
4LZ 961 553-233	3028		24 VOLT DC
Maximum Load		1-10 x 21W	

Universal Mounting Bracket

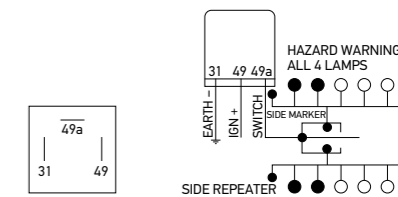
For mounting 32mm diameter HELLA Flasher Unit Part No. 3026, 3027, 3028.



8HG 002 156-001	8003
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Electronic Flasher Unit

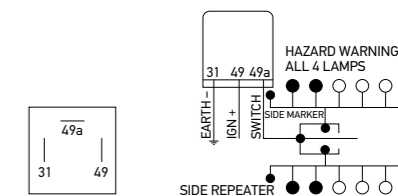
To operate 2 or 3 lamps on either side of vehicle. Incorporates hazard warning flasher system when used in conjunction with HELLA switch Part No. 5227.



4DB 003 750-721	3016	3 PIN	12 VOLT DC
Maximum Load		2(4) x 21W + 0 - 5W	

LED Electronic Flasher Units

Modified version of Part No. 3016 Electronic Flasher Unit. Specifically designed for use with DuraLED® rear direction indicator lamps on motor vehicles such as prime movers, trucks and motor homes, maintaining the mandatory globe failure warning signal function.



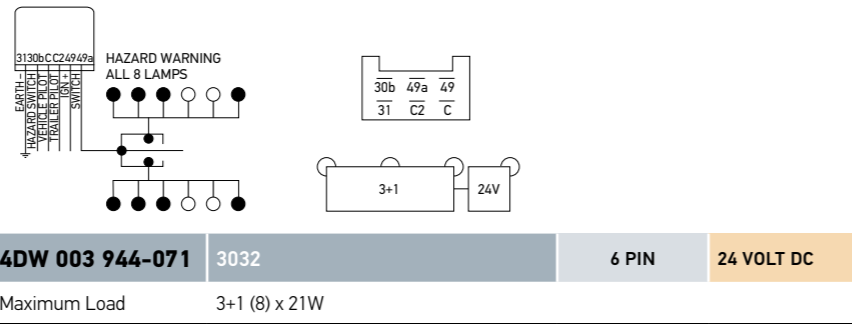
4DB 003 750-741	3016LED1	3 PIN	12 VOLT DC
4DB 003 750-751	3016LED2		
Maximum Load		Front direction indicator lamp	1(2) x 21W
		Supplementary side direction indicator lamp	1(2) x 5W (3016LED2 only)
		DuraLED direction indicator lamp	1(2) x 9W



3016LED2

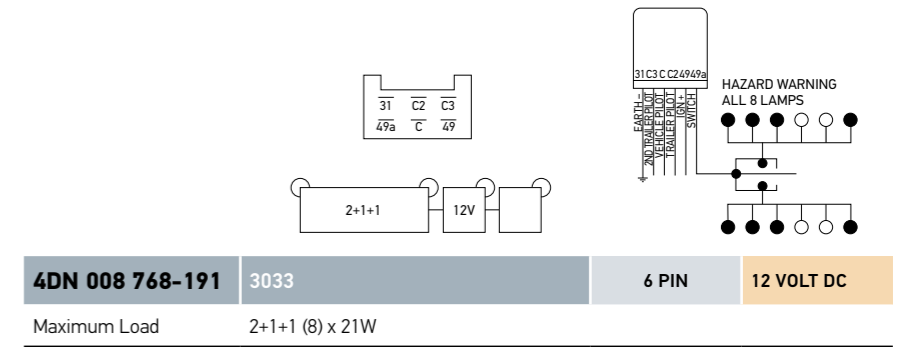
Electronic Flasher Unit 3+1

For heavy trucks with trailers. With mounting bracket. To operate 3 lamps on either side of towing vehicle, plus an additional lamp on either side of a trailer. Separate pilot lamp indicates operation of flasher lamp on the trailer.



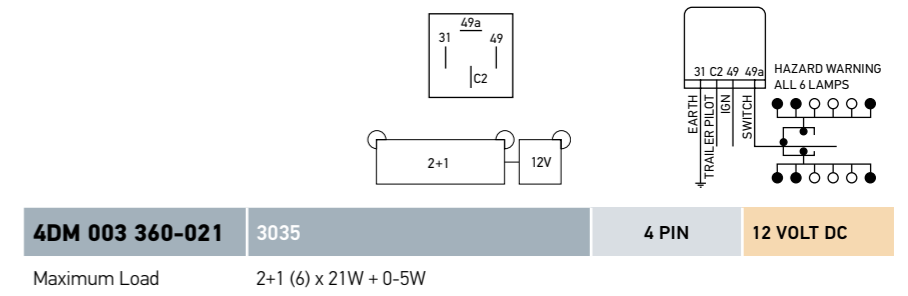
Electronic Flasher Unit 2+1+1

To operate 2 lamps on either side of a towing vehicle plus an additional lamp on either side of each of two trailers. Separate pilot lamps indicate operation of flasher lamps on the trailers.



Caravan/Trailer Conversion Flasher Unit 2 + 1

Designed to enable operation of 2 or 3 lamps simultaneously. Incorporates a specially designed mechanism which automatically compensates as the wattage load is varied.





Contents

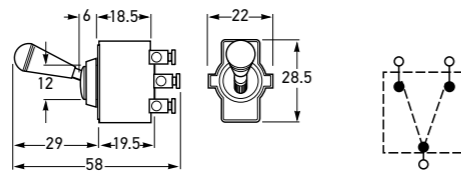
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Changeover Switch On-On

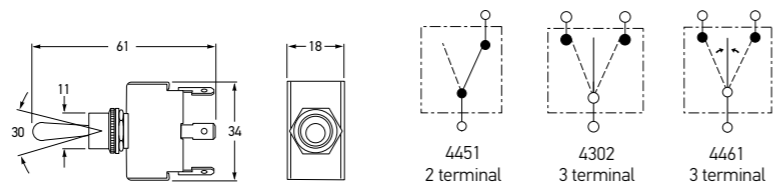


6FG 002 312-003	4150	ON-ON
Mounting	13mm diameter opening	
For Panels	Up to 2mm thick	
Maximum Load	8A @ 12V DC 4A @ 24V DC	

Metal Shaft Toggle Switches



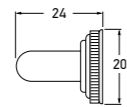
4451



6EH 905 359-001	4451	OFF-ON
6FG 905 348-001	4302	ON-OFF-ON
6EH 905 362-001	4461 – (Momentary Spring Return)	(ON)-OFF-(ON)
Mounting	12mm diameter opening	
For Panels	Up to 5mm thick	
Maximum Load	20A @ 12V DC 10A @ 24V DC	

Toggle Boot

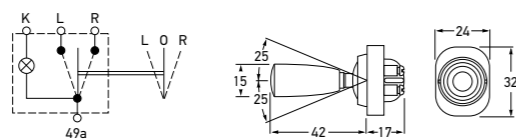
To be used with toggle switches.



6EH 905 360-001	4452
To Suit	Toggle switch 4302, 4451 and 4461

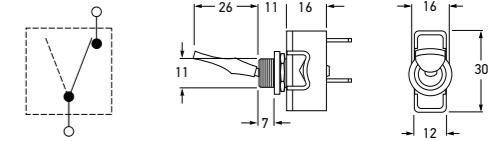
Illuminated Toggle Switch On-Off-On

Three position latching switch for indicators. Illuminates green.



6FG 905 347-001	4206	ON-OFF-ON
Voltage	12V: globe to be ordered separately	
Mounting	19mm diameter opening	
For Panels	Up to 2mm thick	
Maximum Load	6A @ 12V DC	
Globes to Suit	12V 292 To be ordered separately	

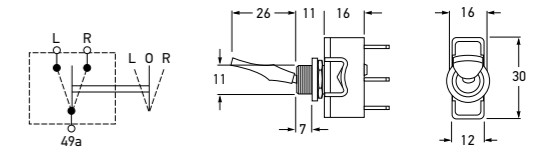
Toggle Switch Off-On



6EH 905 361-021	4456	OFF-ON
Mounting	13mm diameter opening	
For Panels	Up to 6mm thick	
Maximum Load	15A @ 12V DC 7.5A @ 24V DC	

Toggle Switch On-Off-On

Toggle switch, suitable for controlling direction indicator lamps.

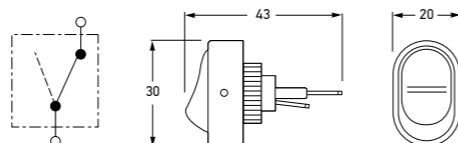


6FG 905 346-002	4202	ON-OFF-ON
Mounting	13mm diameter opening	
For Panels	Up to 6mm thick	
Maximum Load	15A @ 12V DC 7.5A @ 24V DC	

Rocker Switch Off-On



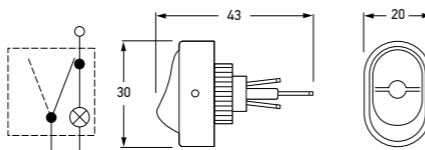
6EH 905 363-001	4470	OFF-ON
Mounting	12mm diameter opening	
For Panels	Up to 5mm thick	
Maximum Load	10A @ 12V DC	



Illuminated Rocker Switches Off-On 12 Volt



6EH 905 363-011	4471	AMBER
6EH 905 363-041	4474	RED
Mounting	12mm diameter opening	
For Panels	Up to 5mm thick	
Maximum Load	10A @ 12V DC	
Suitable for 12V DC only. Globe not replaceable.		

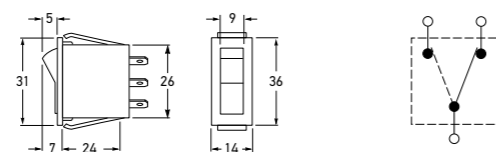


Rocker Switch On-On

Panel push fit.



6FH 004 406-053	4151	ON-ON
Mounting	29 x 12mm opening	
Maximum Load	10A @ 12V DC 5A @ 24V DC	

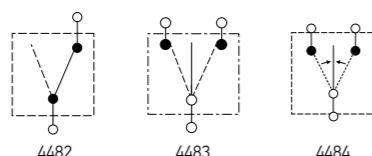
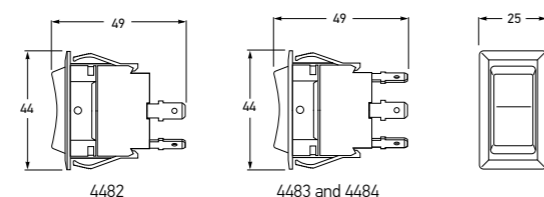


Heavy Duty Rocker Switches

Extremely robust Rocker Switch featuring push-on terminals and weather resistant black plastic housing. Panel push fit.



6FH 905 364-001	4482	OFF-ON
6FH 905 364-011	4483	ON-OFF-ON
6GH 905 364-021	4484 – (Momentary spring return)	(ON)-OFF-(ON)
Mounting	20 x 36mm opening	
For Panels	Up to 4mm thick	
Maximum Load	25A @ 12V DC 12.5A @ 24V DC	

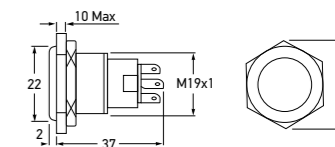


Stainless Steel Latching Switches with LED Ring Off-On

Durable, 304 Stainless Steel Switches featuring a ring of LED light. These through panel mount switches are ideal for switching lighting or installing into custom switch panels. The light rings may be wired to show power to a system or signal circuit activation.



8HG 958 455-011



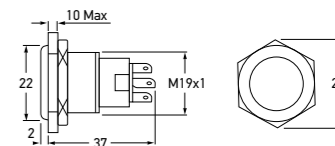
8HG 958 455-001 – 12 Volt DC	RED
8HG 958 455-011 – 12 Volt DC	BLUE
8HG 958 455-101 – 24 Volt DC	RED
8HG 958 455-111 – 24 Volt DC	BLUE
Mounting	19mm diameter opening
Maximum Load	5A
Protection	IP 67 (Protection against dust and temporary water immersion). From front when mounted.
For Panels	Up to 10mm thick.

Stainless Steel Momentary Switches with LED Ring Off-(On)

Durable, 304 Stainless Steel Switches featuring a ring of LED light. These through panel mount switches are ideal for switching lighting or installing into custom switch panels. The light rings may be wired to show power to a system or signal circuit activation.



8HG 958 455-211



8HG 958 455-201 – 12 Volt DC	RED
8HG 958 455-211 – 12 Volt DC	BLUE
8HG 958 455-301 – 24 Volt DC	RED
8HG 958 455-311 – 24 Volt DC	BLUE
Mounting	19mm diameter opening
Maximum Load	5A
Protection	IP 67 (Protection against dust and temporary water immersion). From front when mounted.
For Panels	Up to 10mm thick

Stainless Steel Buzzers with LED Ring

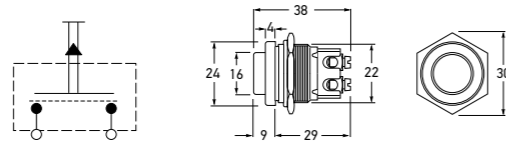
Durable, 304 Stainless Steel Warning Buzzer to match stainless steel switches. Also features a ring of LED light.



8HG 958 456-001 – 12 Volt DC	RED
8HG 958 456-101 – 24 Volt DC	RED
Mounting	19mm diameter opening
Sound Level	>80dB (1m)
Protection	IP 50 (Protection against dust)
For Panels	Up to 10mm thick

Momentary Spring Return Push Button Switch Off-(On)

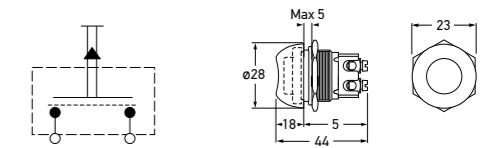
Off-momentary on push button (spring return) switch.



6JF 001 571-002	4501	OFF-(ON)
Mounting	22.5mm diameter opening	
For Panels	Up to 6mm thick	
Maximum Load	16A @ 12V DC 8A @ 24V DC	

Momentary Spring Return Push Button Switch Off-(On)

Water resistant push button type switch with rubber cap. Off-momentary on push button (spring return).

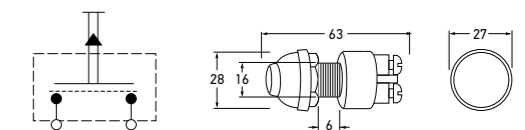


6JF 001 571-003	4503	OFF-(ON)
Mounting	22.5mm diameter opening	
For Panels	Up to 2mm thick	
Maximum Load	16A @ 12V DC 8A @ 24V DC	

Do not remove rubber cap/front face nut when fitting.

Momentary Spring Return Push Button Switch Off-(On)

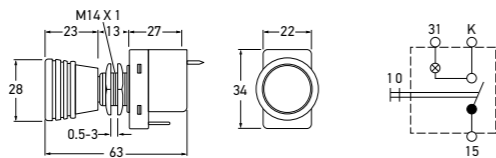
Water resistant starter switch. Off-momentary on push button (spring return).



6JB 905 371-001	4506	OFF-(ON)
Mounting	16mm diameter opening	
For Panels	Up to 10mm thick	
Maximum Load	60A @ 12V DC 40A @ 24V DC	

Illuminated Switches Off-On

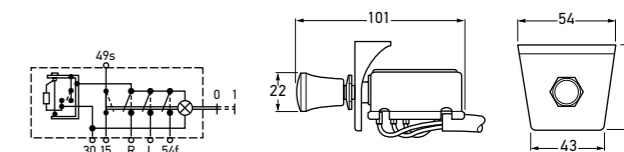
Knob incorporates red or green pilot lamp.



6ED 004 778-021	4411	GREEN
6ED 004 778-011	4412	RED
Mounting	14mm diameter opening	
For Panels	Up to 6mm thick	
Maximum Load	10A @ 12V DC 5A @ 24V DC	
Globes to Suit	12V DC 24V DC	W121.2 W241.2 Globe to be ordered separately. Globe to be ordered separately.

Hazard Warning Switch

Operates all the flasher lamps of a 12V DC or 24V DC vehicle (and trailer) simultaneously. Red knob with pilot lamp. Complete with cables, terminals and wiring instructions for easy installation.



6HD 002 535-031	5225	12V DC
Mounting	12mm diameter opening	
Voltage	12V DC (Globe included)	
For Panels	Up to 7mm thick	
Globes to Suit	12V DC 24V DC	W121.2 W243
Note	Not suitable for extended periods of continuous use	

Mine E-Stop

The mining E-Stop is built for fast and easy installation in mining, construction and industrial environments, where durability and ease of installation are paramount.

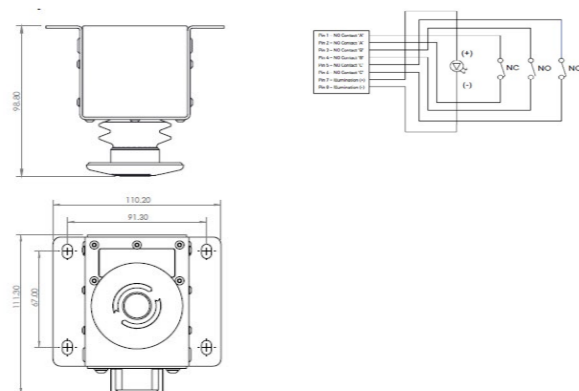


6HF 012 416-001



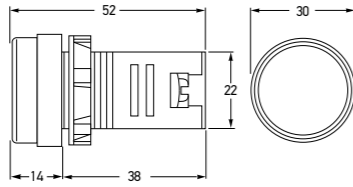
6HF 012 416-101
6HF 012 416-11

6HF 012 416-001	HM7593E	Illuminated e-stop
6HF 012 416-101		Basic e-stop, side plug
6HF 012 416-11		Basic e-stop, rear plug
Operating voltage, Rated current	0.55 A at 125 V, DC-13, Q600 to EN/IEC 60947-5-1 0.27 A at 250 V, DC-13, Q600 to EN/IEC 60947-5-1 0.1 A at 600 V, DC-13, Q600 to EN/IEC 60947-5-1 Maximum 10A at any different voltages	
Housing material	Stainless steel, yellow powder coated	
Electrical contact operation	Slow break (directly acting)	
Electrical durability	1,000,000 cycles	
Contact type	1 Normally open (NO) 2 Normally closed (NC)	
Actuation type	Push to stop, rotate button to release	
Protection class	IP 68, NEMA 6P	
Ambient operating temperature	-25 to 70 C	
Vibration resistance	5 gn (f = 2 ... 500 Hz)	
Shock resistance	50 gn	
Standards and compliance	ISO 13850:2015 (Section 4.3) IEC 60204-1 Ed. 6.1 (Section 10.7)	



LED Pilot Lamps 12/24V AC/DC

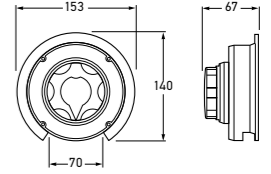
Heavy duty multi-chip LED Pilot Lamp featuring shock-resistant one-piece construction for long service life and polycarbonate lens.



2AA 910 233-041	2716	12V AC/DC	■ RED
2AA 910 233-101	2716-24V	24V AC/DC	
2AA 910 233-031	2717	12V AC/DC	■ GREEN
2AA 910 233-091	2717-24V	24V AC/DC	
2AA 910 233-011	2718	12V AC/DC	■ AMBER
2AA 910 233-061	2718-24V	24V AC/DC	
2AA 910 233-051	2719	12V AC/DC	■ WHITE
2AA 910 233-111	2719-24V	24V AC/DC	
2AA 910 233-021	2720	12V AC/DC	■ BLUE
2AA 910 233-071	2720-24V	24V AC/DC	
Mounting	22mm diameter opening		
For Panels	Up to 38mm thick		
Voltage	12V or 24V AC/DC		
Protection	IP 65 (Protection against dust and water jets) when installed		

Dual Battery Master Switch - Weatherproof

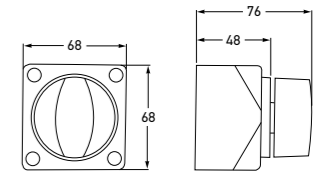
For 6-36V DC battery systems with alternators or generators. Water and vapour resistant.



6EB 950 870-001	2767	OFF-1-2-BOTH
Mounting	Surface mount. or 84mm diameter opening	
Maximum Load	500A at 12V DC for 10 seconds 250A at 24V DC for 10 seconds 310A at 12V DC continuous 155A at 24V DC continuous	
Function	4-position switch (off-1-2-both)	
For Panels	Up to 25mm thick.	

Battery Master Switch

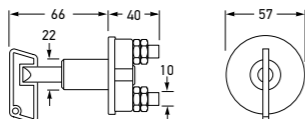
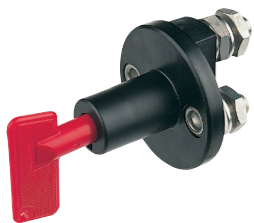
Suitable for cars and medium sized trucks. Complete with removable key.



9SL 998 540-002	4640	OFF-ON
Mounting	Recess or surface mount	
Maximum Load	12/24V DC	1250A for up to 10 seconds
Maximum Continuous Load	12/24V DC	275A
Termination	2 x 10mm studs	
Protection	IP 56	
Spare Part	4641	Spare key

Battery Master Switch

Suitable for cars and medium sized trucks. Complete with removable key.

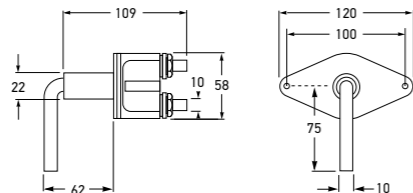
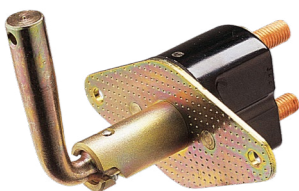


6EK 002 843-051	4650	OFF-ON
Mounting	24mm diameter opening	
Maximum Load	12V DC	1000A for up to 10 seconds
	24V DC	500A for up to 10 seconds
Maximum Continuous Load	12/24V - 50A at a maximum ambient temperature of 80°C with 35mm ² lead, connected with ring-type terminals.	
Termination	2 x 10mm studs.	
Protection	IP X4 (Protection against water splashing)	
Spare Part	4652	Spare key

Switch not designed for Marine applications.

Heavy Duty Battery Master Switch

For trucks, buses and earth moving equipment. Complete with removable key.

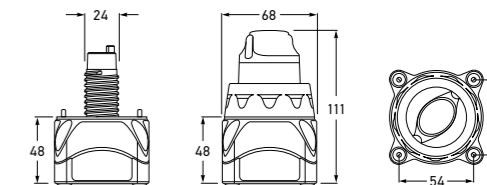


6EK 001 559-001	4653	OFF-ON
Mounting	22mm diameter opening	
Maximum Load	12V DC	5000A for 10 seconds.
	24V DC	2500A for 10 seconds
Maximum Continuous Load	12/24V DC	100A continuous at a maximum ambient temperature of 60°C with 50mm ² lead connected with ring-type terminals
Termination	2 x 10mm studs	
Protection	IP X4 (Protection against water splashing)	
Spare Part	4654	Spare key

Switch not designed for Marine applications.

Battery Master Switch

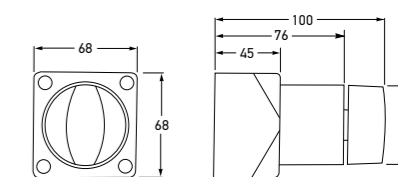
Battery Master Switch with threaded collar. Suitable for cars and medium sized trucks. Complete with removable key, labelled handle and removable back cover.



9SL 980 833-001	4722	OFF-ON
Mounting	Recess or surface mount. 25mm diameter opening	
Maximum Load	12/24V DC	1250A for up to 10 seconds
Maximum Continuous Load	12/24V DC	275A
Termination	2 x 10mm studs	
Protection	IP 56 (Protection against solid foreign objects up to 1mm and powerful water jets)	

Remote Operated Battery Master Switch

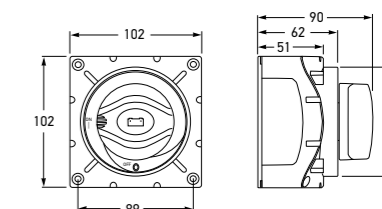
Battery switch with tin-plated copper studs and nuts. Can be operated manually or remotely with a separate switch (not supplied). Suitable for mounting alongside battery reducing cable lengths to starter motor. Complete with removable key and 3 way DTM plug.



6EN 980 835-001	4724	OFF-ON
Mounting	Recess or surface mount. 55mm diameter opening	
Voltage	12/24V DC	
Power Consumption	2W @ 12V DC when operating, 0.25W static	
Maximum Load	12/24V DC	1250A for up to 10 seconds
Maximum Continuous Load	12/24V DC	275A
Termination	2 x 10mm studs	
Cable Length	500mm	

Heavy Duty Battery Master Switch

For commercial use. Features sliding contact for self cleaning.

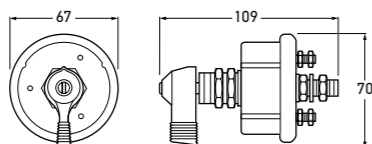


6EK 998 540-062	4720	OFF-ON
Mounting	Recess or surface mount. 85mm diameter opening	
Maximum Load	12/24V DC	2500A for up to 10 seconds
Maximum Continuous Load	12/24V DC	600A
Termination	2 x 12mm studs	
Protection	IP 56 (Protection against solid foreign objects up to 1mm and powerful water jets)	

Switch can be locked using 6mm diameter padlock with 75mm reach

Battery Master Switches

Double-pole, 2-position (off-on) Battery Master Switch with plated steel case designed to disconnect both battery and field circuit. Actuated by chrome-plated die-cast lever. Part No. 4643 features silver laminated contacts.

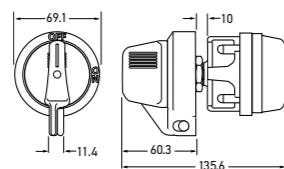


6EK 905 424-001	4642	
6EK 905 424-011	4643	■ SILVER CONTACTS
Mounting	19mm diameter opening	
Maximum Load	1000A at 6-36V DC intermittent	
Maximum Continuous Load	125A at 6-36V DC continuous (large studs) 20A continuous (small studs)	
For Panels	Up to 4.75mm thick	
Spare Part	4645	Key ①
Accessories	4646	Face Plate ②



Battery Master Lockout Switches - 2 Pole

Heavy duty 2-pole lockable battery lockout switch. The battery lockout switch provides a reliable power disconnection and safety cut-off that protects the vehicle against tampering, theft and battery drain. It also protects service personnel from electrical hazards during service operations.

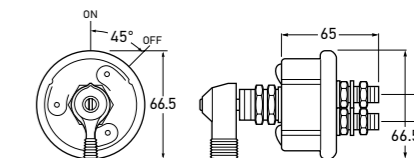


9MK 910 109-001	HM7592B	■ RED HANDLE
9MK 910 109-011	HM7592Y	■ YELLOW HANDLE
Mounting	Sealed design allows switch to be mounted in the best location regardless of environment	
Operating Temp.	-40°C to +85°C	
Maximum Continuous Load	300A at 12V DC continuous 250A at 24V DC continuous	
Protection	Waterproof and dustproof to IP67.	



Battery Master Lockout Switch - 4 Pole

Heavy duty 4-pole lockable battery lockout switch. The battery lockout switch provides a reliable power disconnection and safety cut-off that protects the vehicle against tampering, theft and battery drain. It also protects service personnel from electrical hazards during service operations. Isolates of both positive and negative sides from the battery, or isolation of two circuits with only one switch.

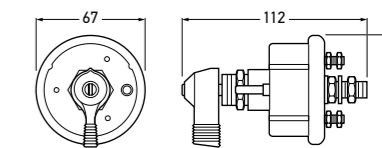


9MK 910 109-201	HM7591S
Mounting	19mm diameter opening
Operating Temp.	-40°C to +29°C
Maximum Load	125A at 6-36V DC continuous
Protection	Waterproof and dustproof to IP67



Battery Master Switch - Silver Contacts - Weatherproof

Weatherproof double-pole, 2-position (off-on) Battery Master Switch featuring plated steel case, silver laminated contacts and O-ring seal to protect from dirt and moisture. Also features index pin to align unit and prevent rotation.

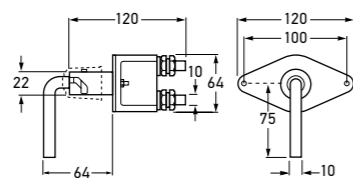


6EK 905 424-021	4644	■ SILVER CONTACTS
Mounting	19mm diameter opening	
Maximum Load	1000A at 6-36V DC intermittent	
Maximum Continuous Load	125A at 6-36V DC continuous (large studs) 20A continuous (small studs)	
For Panels	Up to 6.75mm thick	
Spare Part	4645	Key ①
Accessories	4646	Face Plate ②



Heavy Duty Battery Master Switch

Extremely robust, single-pole (2 post) Battery Master Switch featuring double-cut copper contacts. Supplied complete with removable handle, security chain and PVC protective cover. Suitable for industrial vehicles and agricultural machinery.

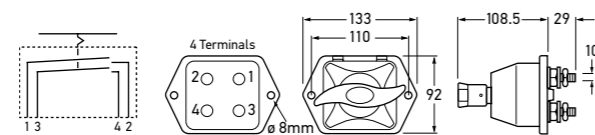


6EK 905 397-001	4655
Mounting	24mm diameter opening
Maximum Load	2500A at 12-24V DC for 5 seconds
Maximum Continuous Load	250A at 12-24V DC continuous
Protection	IP 66
Spare Parts	4655COV Strap & PVC Protective Cover ① 4655KEY Handle, Chain & Protective Cover ②



Heavy Duty Battery Master Switch

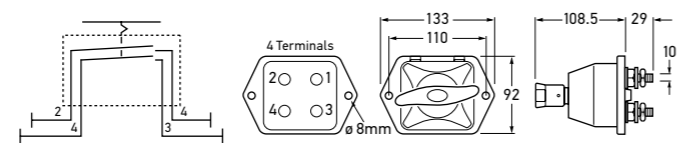
Extremely robust, double-pole (4 post) Battery Master Switch featuring corrosion-resistant zinc-plated housing and double-cut copper contacts. Suitable for industrial and agricultural vehicles.



6EK 905 249-001	4657
Mounting	82mm x 77mm opening Mounting hole diameter 8mm
Maximum Load	2500A at 12-24V DC for 5 seconds
Maximum Continuous Load	250A at 12-24V DC continuous
Termination	2 x 12mm studs
Protection	IP 65

Heavy Duty Battery Master Switch - Weatherproof

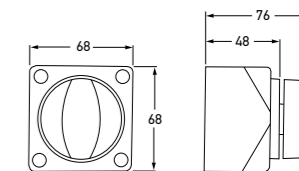
Extremely robust, double-pole (4 post) Battery Master Switch with corrosion-resistant zinc-plated housing and double-cut copper contacts. Specifically designed for marine applications featuring additional white surface protection coating for extended durability.



6EK 905 250-001	2769
Mounting	82mm x 77mm opening Mounting hole diameter 8mm
Maximum Load	2500A at 12-24V DC for 5 seconds
Maximum Continuous Load	250A at 12-24V DC continuous
Termination	2 x 12mm studs
Protection	IP 65

Battery Selector Switch

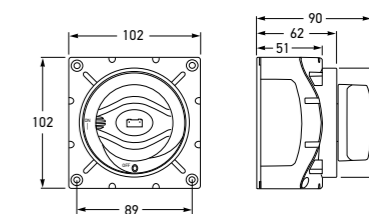
Battery Switch to select either from two power sources or combine together. It will also isolate from the power sources.



9SL 980 834-001	4723	OFF-B1-BOTH-B2
Mounting	Recess or Surface Mount	
Maximum Load	12/24V DC	1000A for up to 10 seconds
Maximum Continuous Load	12/24V DC	200A
Termination	3 x 5/16" studs	
Protection	IP 56 (Protection against solid foreign objects up to 1mm and powerful water jets)	

Battery Selector Switch

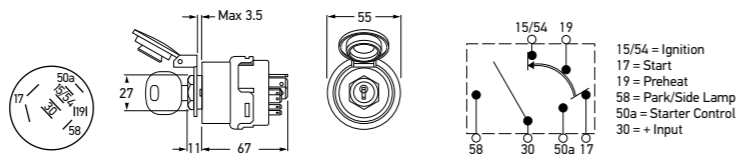
Battery Switch to select either from two power sources or combine together. It will also isolate from the power sources.



6EB 998 540-202	4721	OFF-B1-BOTH-B2
Mounting	Recess or Surface Mount. 85mm diameter opening	
Maximum Load	12/24V DC	1500A for 10 seconds
Maximum Continuous Load	12/24V DC	350A
Termination	3 x 10mm studs.	
Protection	IP 56 (Protection against solid foreign objects up to 1mm and powerful water jets)	
Switch can be locked using 6mm diameter padlock with 75mm reach.		

Diesel Pre-Heating Starter Switch

Pre-Heating Starter Switch supplied with two keys. Key removes in park and off.

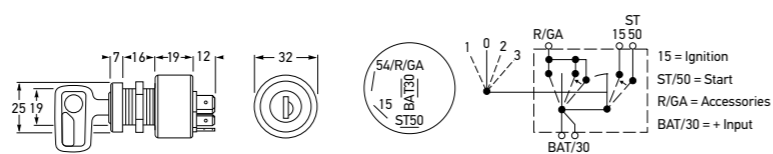


6JB 003 959-001	4005
Mounting	26.5mm diameter opening
For Panels	Up to 3.5mm thick
Function	5 position switch (park, off, driving, pre-heat, start)

TERMINAL	POSITION	FUNCTION	CURRENT @ 24V
30-58	P	Park Lamps	4A
30-15/54	1	Driving	18A
30-19	2	Preheat	35A
30-50a/17	3	Start	5A/35A

Ignition and Starter Switch

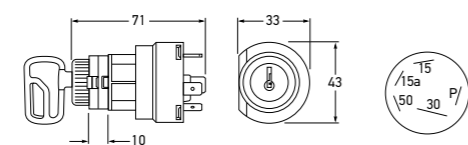
Switch with spring loaded return. Supplied with two keys.



6JB 950 505-001	4008
Mounting	19mm diameter opening
For Panels	Up to 19mm thick
Maximum Load	@12V ignition 25A, start 12A, accessory 15A
Spare Part	Blank key number Silica BH4
Function	Four position switch (accessory, off, ignition, start)

Heavy Duty Ignition and Starter Switch

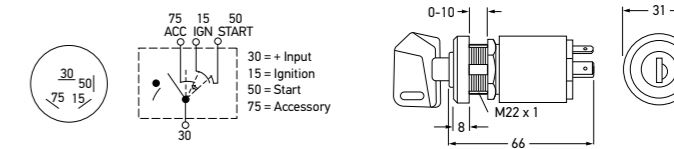
Heavy Duty Ignition and Starter Switch, featuring plastic outer construction for maximum protection against damage. Supplied with two keys.



6JK 905 339-001	4008HD
Mounting	19mm diameter opening.
For Panels	Up to 10mm thick
Maximum Load	@12V park 2A, ignition 20A, start 25A., accessory 30A
Function	Four position switch (park, off, ignition, start). Key removes in park and off

Ignition and Starter Switches

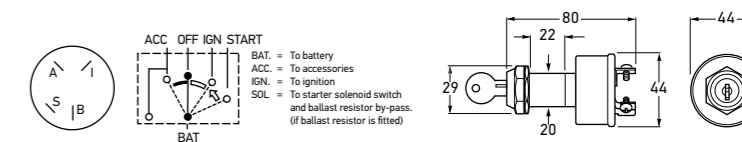
Two keys supplied. Start-lockout mechanism to prevent accidental engagement of starter.



6JK 950 838-001	4009	22MM SHAFT
Mounting	4009	22.5mm diameter opening
For Panels	Up to 19mm thick	
Maximum Load	@12V ignition 25A, start 50A, accessory 20A	
Function	Four position switch (accessory, off, ignition, start)	

Ignition and Starter Switch

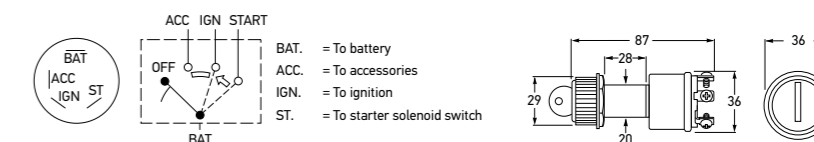
Switch with spring-loaded return. 4 screw terminals and satin finish. Corrosion-resistant brass construction.



6JB 905 308-001	2760
Mounting	21mm diameter opening
For Panels	Up to 30mm thick
Maximum Load	@12V ignition 10A, start 5A, accessory 10A
Function	Four position switch (accessory, off, ignition and start)

Ignition and Starter Switch

Four position switch with spring loaded return. Four screw terminals.



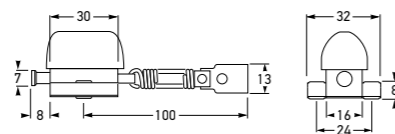
6JB 905 313-001	2766
Mounting	21mm diameter opening
For Panels	Up to 25mm thick
Maximum Load	@12V ignition 10A, start 5A, accessory 10A
Function	Four position switch (accessory, off, ignition and start)

ACCESSORIES

ACCESSORIES

Stop Lamp Switch Off-On

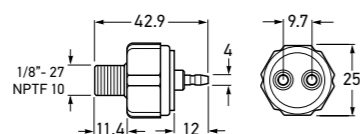
Normally open, contacts are closed when tension is applied to the spring. Complete with splash proof rubber cap. Brake linkage clamp 6mm diameter.



6DD 905 374-001	4560	OFF-ON
Maximum Load	10A @ 12V DC 5A @ 24V DC	

Stop Lamp Switch Hydraulic

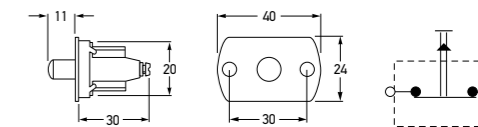
1/8" x 27 NPT thread.



6DL 905 375-011	4566	HYDRAULIC
Maximum Load	9A @ 12V DC 4.5A @ 24V DC	
Replaces	Original No. 1997725, No. LC6870, No. P7715	
Suits	GMH, Ford, Chrysler, and Dodge	
Actuating Pressure	3.7-8.2 Bar	
Note	Only suitable for use with brake fluid (not silicone based)	

Door Contact Switch On-Off

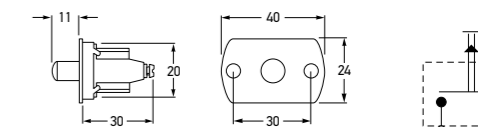
Switch closes circuit if door is opened.



6ZF 003 549-003	4550	ON-OFF
Mounting	21mm diameter opening.	
Maximum Load	2A @ 12V DC 1A @ 24V DC	

Door Contact Switch Off-On

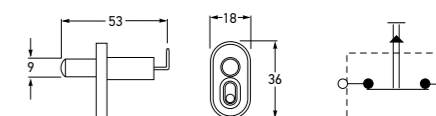
Switch opens circuit if door is opened. May be used as safety cut-off switch.



6ZF 003 549-022	4551	OFF-ON
Mounting	21mm diameter opening.	
Maximum Load	2A @ 12V DC 1A @ 24V DC	

Door Contact Switch On-Off

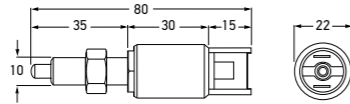
Switch closes circuit if door is opened. Corrosion proof black plastic. Rubber seal. Push-on terminal.



6ZF 905 373-001	4553	ON-OFF
Mounting	12mm diameter opening and screw	
Maximum Load	3.5A @ 12V DC	
Plunger automatically adjusts to door gap on initial operation		

Stop Lamp Switch On-Off

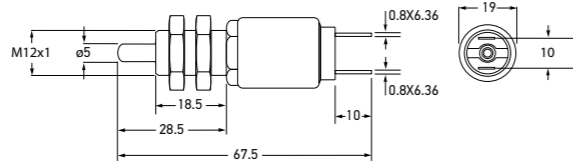
Thread M10 x 1.25. Suits early Japanese vehicles.



6DF 007 365-001	4562	ON-OFF
Maximum Load	10A @ 12V DC	

Stop Lamp Switch Mechanical

M 12 x 1 thread.



6DF 003 263-001	4570	ON-OFF
Maximum Load	5A @ 12V DC 2.5A @ 24V DC	
Replaces	Original No. 7438915	

Wideband Oxygen Sensor

M18x1.5 thread, terminated with 6-Pole industry standard plug. Suits use with aftermarket monitoring systems and gauges. Also suits VW, Audi and other vehicle applications from 2006 onwards using a wideband sensor.



6PA 009 166-791 – Wideband Oxygen Sensor	800 MM CABLE
6PA 009 166-821 – Wideband Oxygen Sensor	1500 MM CABLE
Mounting	Standard M18x1.5 Exhaust Fitting
Connection	Cable length as noted, terminated with standard 6-pole connection plug
OE Number	03G 906 262 H (800mm Cable), 022 906 262 H (1500mm cable)

Exhaust Gas Temperature Sensor

M14x1.5 thread, working temperature range up to 850°C. Right angle cable exit from sensor. Suits use with aftermarket monitoring systems and gauges. Also suits VW, Audi and other diesel vehicle applications from 2007 onwards.

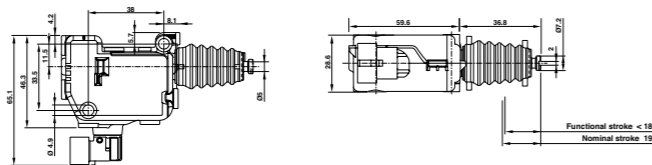


Shrouded probe

6PT 010 376-111 – Exhaust Gas Temperature Sensor	
Mounting	Standard M14x1.5 Exhaust Fitting
OE Number	03L 906 088 AJ (Exposed Sensor Probe), 03L 906 088 N (Shrouded Sensor Probe)

Electric Actuators

HELLA medium force Actuators are the actuator of choice in numerous OE vehicle applications. Actuator stroke length of 18mm, in different extension/retraction and spring return options. Separate models to suit 12V or 24V vehicle DC power supply. IP 5K4 ingress protection against dust and water, Superseal 2-pole electrical connection.

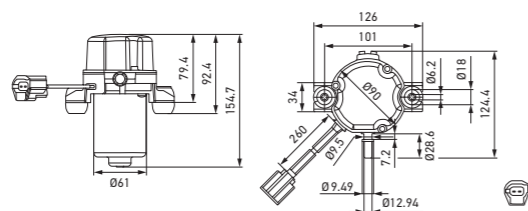
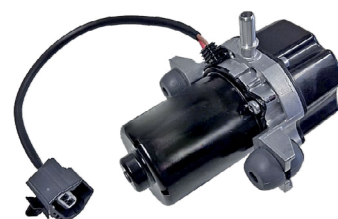


6NW 009 203-421 – Medium Force Actuator, 12V, No Spring Return	
6NW 009 203-471 – Medium Force Actuator, 12V, Spring Return	
6NW 009 203-501 – Medium Force Actuator, 12V, Spring Return	
Voltage	9-15V DC
Current Draw (Idling)	0.35 A
Current Draw (Maximum/Stalled)	10.5A (Sprung Return Models)
Actuating Force	100N (35°C Ambient Temperature)
Functional Stroke	18mm
IP Rating	IP 5K4
Operating Temperature	-40°C to 60°C
Weight	90g

6NW 009 203-441 – Medium Force Actuator, 24V, No Spring Return	
6NW 009 203-521 – Medium Force Actuator, 24V, Spring Return	
Voltage	18-30V DC
Current Draw (Idling)	0.2-0.6 A (idling)
Current Draw (Maximum/Stalled)	4.2A (Non-Sprung Return Models),
Nominal Actuating Force	100N (35°C Ambient Temperature)
Functional Stroke	18mm
IP Rating	IP 5K4
Operating temperature	-40°C to 60°C
Weight	90g

UP5.0 Electric Vacuum Pump

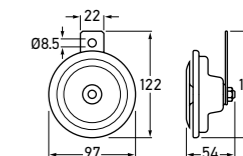
Suitable for electric, hybrid and off-road vehicles that do not have a strong constant vacuum source to maintain operation of the brake booster in the vehicle and require a standalone pump to generate vacuum pressure to drive accessory systems or vacuum brake boosters.



8TG 012 377-701	
Vacuum Reservoir Size	To suit 5L nominal system volume
Vacuum Connection	9.5mm Quick Release fuel/vacuum port
Nominal Voltage	12V
Average Current Draw	16A

Low Tone Disc Horn

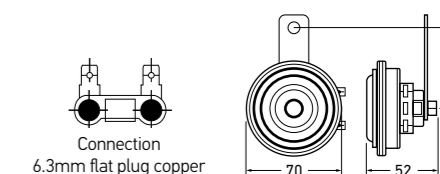
Single bolt mount. 92mm diameter.



3AL 002 952-011	6001	400Hz	12 VOLT DC
3BA 002 768-382	6002	335Hz	24 VOLT DC
Power Consumption	72W	6A - 12V DC, 3A - 24V DC	
Frequency	6001 - 400Hz 6002 - 335Hz		
Sound Pressure Level	115db(A) @ 2m		

Super Tone S70 Horn

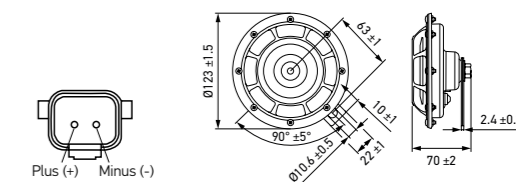
The HELLA Super Tone S70 disc horn provides outstanding size/performance ratio with a long-range sound in a compact space-saving body.



3AL 922 196-011	6029
Rated voltage	12V DC
Power Consumption	30 W
Frequency	420 Hz (high tone)
Sound Pressure Level	112dB(A) @ 2m
Approval	ECE R28 EY 6053
Bracket	M8 mounting screw

Super Tone B133E Long-Life Horn

The Super Tone B133E is the horn for heavy vehicle applications requiring a penetrating sound and outstanding environmental resistance. Rated to IP 67 for ingress protection against dust and equipped with a sealed DT-Type 2-pole electrical connection with a robust black epoxy finish.



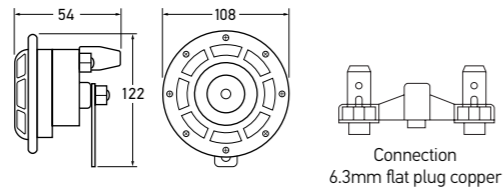
3AF 005 631-227	Low tone unit	PACK OF 32
3AF 005 631-237	High tone unit	PACK OF 32
Rated Voltage	24V DC	
Power Consumption (each)	70W	
Frequency	300 Hz (Low tone) / 450 Hz (High tone)	
Sound Pressure Level	118dB(A) @ 2m (Pair of horns)	
Approval	ECE R28 EY 001429	
IP Rating	IP 67	
Mounting	M10 mounting screw to bracket	

ACCESSORIES

ACCESSORIES

Sharp Tone M26S Horn Set

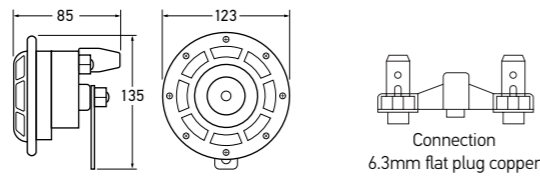
The HELLA Sharp Tone disc horn has a focused and high-penetrating power tone for drivers who want to be heard. Robust yellow protective grille and high corrosion protection make the Sharp Tone Horn ideal for tough off-road use. Unique design provides a dramatic look under your front grille.



3BB 922 000-731	6028
Rated voltage	12V DC
Power Consumption	2 x 42 W
Frequency	415 Hz (high tone) / 350 Hz (low tone)
Sound Pressure Level	115dB(A) @ 2m
Approval	ECE R28 (E4) 165
Bracket	M8 mounting screw
Kit Includes	High-Tone Unit, Low-Tone Unit, Relay, Mounting Brackets, Step-by-Step Mounting Instructions

Super Tone B133 Horn Set

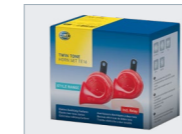
The HELLA Super Tone disc horn has a focused and high-penetrating power tone for drivers who want to be heard. Robust housing and high corrosion protection make the Super Tone Horn ideal for tough off-road use. Unique design provides a dramatic look under your front grille.



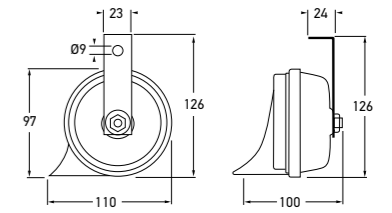
3AG 003 399-801	6036
Rated Voltage	12V DC
Power Consumption	2 x 66 W
Frequency	300 Hz (low tone) / 500 Hz (high tone)
Sound Pressure Level	118dB(A) @ 2m
Approval	ECE R28 (E1) 20033
Bracket	M8 mounting screw
Kit Includes	High-Tone Unit, Low-Tone Unit, Relay, Mounting Brackets, Step-by-Step Mounting Instructions

Twin Tone Scroll Horn - Set of 2

Includes 12V relay.



Packaging



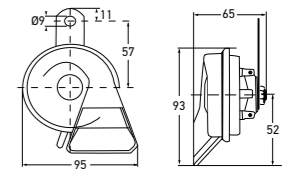
3FH 007 424-801	6004	12 VOLT DC
Power Consumption	72W x 2	6A x 2
Voltage	12V DC	
Frequency	High Tone	500Hz
	Low Tone	400Hz
Sound Pressure Level	110dB(A) @ 2m	
Approval	ECE R28 (E) 000209	

Twin Tone Scroll Horn - Set of 2

Galvanised metal housing and plastic horn. Safe from corrosion.



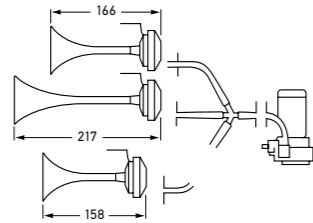
Packaging



3FH 007 728-831	6005	12 VOLT DC
Power Consumption	72W x 2	6A x 2
Voltage	12V DC	
Frequency	High Tone	500Hz
	Low Tone	400Hz
Sound Pressure Level	110dB(A) @ 2m	
Approval	ECE R28 (E1) 000233	

Air Horn Kit - Triple Trumpet

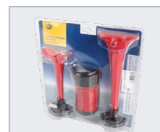
Polished stainless steel triple electric horns including support brackets.



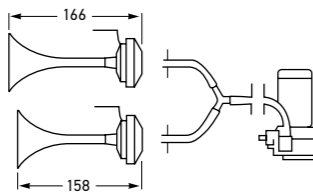
3PD 003 001-671	6007	12 VOLT DC
Mounting	Installation accessories included	
Current Draw	20A @ 12V DC	
Power Consumption	240W	
Sound Pressure Level	118dB(A) @ 2m	
Frequency	780 / 820 / 880Hz	
Operating Pressure	110kPA (16psi)	

Dual Trumpet Air Horn Kit

Installation accessories included.



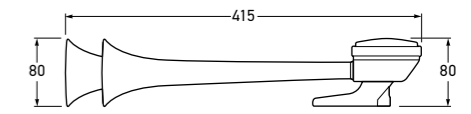
Blister packaging



3PB 003 001-651	6014	12 VOLT DC
3PB 003 001-661	6027	24 VOLT DC
Mounting	Installation accessories included	
Current Draw	20A @ 12V DC 10A @ 24V DC	
Power Consumption	240W	
Sound Pressure Level	118dB(A) @ 2m	
Frequency	780/840Hz	
Operating Pressure	110Kpa (16psi)	

Highway Compressed Air Operated Twin Horn

Compressed-Air-Operated Twin Horn featuring rust-proof, chrome-plated housing with black base and two trumpets. Designed to operate off commercial vehicle air brake systems. The horn unit is supplied with brass fittings, mounting gear, connecting air tube, mounting gasket and detailed instructions.

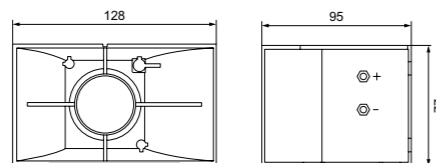


3PB 005 411-001	6032
Air Tube	6mm dia (4mm dia. internal)
Sound Pressure Level	118dB(A) @ 2m
Frequency	300 / 320Hz
Operating Pressure	4-8.5 bar
Approval	ECE R28 E3 42926
Accessories	9XL 715 989-001 Pull-operated hand valve ① 9XL 715 991-001 Electro valve – 24V DC, 20W (activated via horn push-button) ②



MotoVox Compact 117 dB Horn

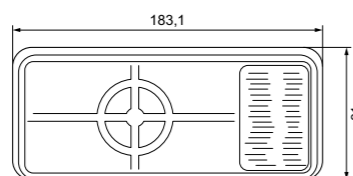
Solid state electronic horn designed for extremely long life and to replace high maintenance electromechanical horns. This model is designed to meet or exceed all applicable SAE specifications. Used by major OEMs.



3TA 910 156-021	HMF312PW	12-24V DC, BARE WIRE CONNECTION
Volume	117db @ 1.2m	

MotoVox Forward 117 dB Horn

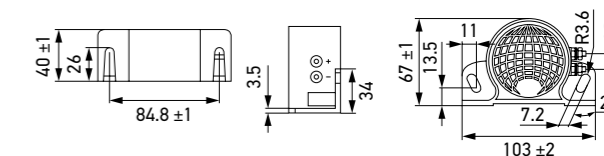
Electronic forward horn is designed to be used where a high-decibel rugged horn is necessary.



3TA 910 156-011	HMFH117P	12-24V DC, BARE WIRE CONNECTION
Volume	117db @ 1.2m	
Approvals	SAE J1105 Sept 89, Type J @ 24 V systems SAE J1105 Sept 89, Type K @ 12 V systems	

Compact Reverse and Warning Alarm BM10

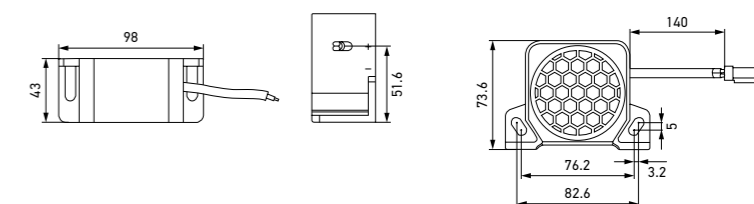
Ideal for light commercial vehicles, the BM10 reversing alarm is available with a long-range, penetrating 97dB(A) or 107 dB(A) alarm sound. IP67 rated, with an ABS housing and insulated electronics, it has high protection against failure due to rust, moisture and vibrations.



Part No.	Sound Type	Output - Lp @ 1.2m, dB(A)
3SL 009 148-171	Tonal Noise	97
6009	Tonal Noise	97
3SL 009 148-201	Tonal Noise	107
Volume	117db @ 1.2m	
Electrical connection	6009 & 3SL 009 148-201: with 140 mm cable and DT Type connector All others: 2x threaded terminals	
Operating voltage	12 - 48 V DC	
Frequency range	700 - 2800 Hz	
Power consumption	12 W	
Operating temperature	-40 °C to 85 °	
Protection class	IP 67	
Type approval	ECE-R10 (E) SAE J994	

Compact White Noise Reversing Alarm BM20

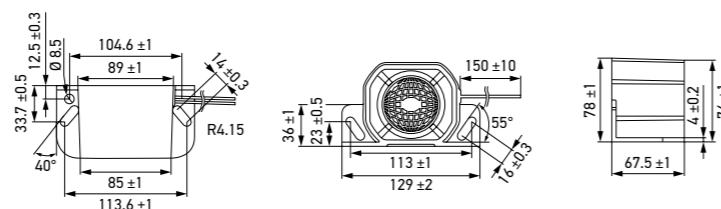
Providing a white noise warning signal for reduced noise pollution, the BM20 reversing alarm is available with a 97 dB(A) or 102 dB(A) alarm sound, as well as a version with an adjustable 97-112 dB(A) volume level. IP67 rated, with insulated electronics, it has high protection against failure due to rust, moisture and vibrations.



Part No.	Sound Type	Output - Lp @ 1.2m, dB(A)
3SL 996 139-501	White Noise	92
3SL 996 139-511	White Noise	97
3SL 996 139-521	White Noise	102
3SL 996 139-531	White Noise	92-102, Smart self adjusting
Electrical connection	with 140 mm cable and DT Type connector	
Operating voltage	12 - 32 V DC	
Frequency range	600 - 1600 Hz	
Power consumption	12 W	
Operating temperature	-40 °C to 85 °	
Protection class	IP 67	
Type approval	ECE-R10 (E) SAE J994	

Reverse and Warning Alarm BM30

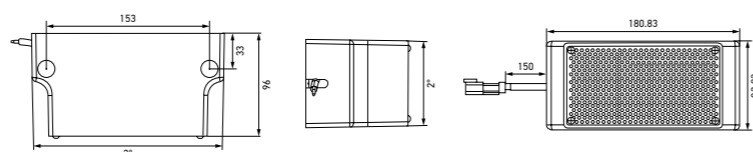
Ideal for heavy duty commercial vehicles, the BM30 reversing alarm is available with a long-range, 107 dB(A) or 112 dB(A) alarm sound, as well as a version with an 87 – 112 dB(A) volume level that automatically monitors ambient noise and adjusts to its environment. Features a glass-filled nylon housing with integrated mounting bracket. IP67 rated, with insulated electronics, it has high protection against failure due to rust, moisture and vibrations.



Part No.	Sound Type	Output - Lp @ 1.2m, dB(A)
6016	Tonal Noise	107
6017	Tonal Noise	112
6018	Tonal Noise	87-112, Smart self adjusting
Electrical connection	with 140 mm cable and DT Type connector	
Operating voltage	12 - 48 V DC	
Frequency range	700 - 2800 Hz	
Power consumption	12 W	
Operating temperature	-40 °C to 85 °	
Protection class	IP 67	
Type approval	ECE-R10 (E) SAE J994	

Heavy Duty Reverse and Warning Alarm BM40

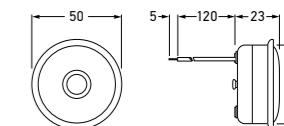
Ideal for heavy duty commercial vehicles, the BM40 reversing alarm is available with a long-range standard or white noise alarm sounds, as well as a version with a 92–107 dB(A) volume level that automatically monitors ambient noise and adjusts to its environment. Features a glass-filled nylon housing with integrated mounting bracket. IP67 rated, with insulated electronics, it has high protection against failure due to rust, moisture and vibrations.



Part No.	Sound Type	Output - Lp @ 1.2m, dB(A)
3SL 996 139-551	Tonal Noise	97, 102 or 112, Switchable
3SL 996 139-561	White Noise	97, 102 or 102, Switchable
3SL 996 139-571	Tonal Noise	97-112, Smart self adjusting
3SL 996 139-581	White Noise	97-107, Smart self adjusting
Electrical connection	with 150 mm cable and DT Type connector	
Operating voltage	12 - 48 V DC	
Frequency range	*800 - 1400 Hz (Tonal noise) 600 - 1600 Hz (White noise)*	
Power consumption	18 W	
Operating temperature	-40 °C to 85 °	
Protection class	IP 65	
Type approval	ECE-R10 (E) SAE J994	

Warning Buzzer

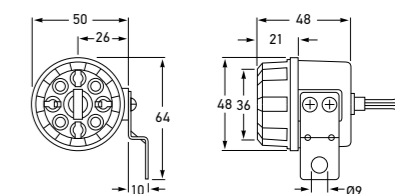
Piercing continuous sound. Suitable for a variety of applications e.g. headlamp, oil, handbrake, indicator, temperature, door close/open, brake fluid, etc.



Part No.	Sound Type	Output - Lp @ 1.2m, dB(A)
3SB 905 413-001	6021	85dB
3SB 905 413-241	6022	
Voltage	6021	12V DC
	6022	24V DC
Power Consumption	6W	
Current Draw	12V DC	Less than 50mA
	24V DC	Less than 25mA
Sound Pressure Level	85dB(A) @ 1.2m	

Multivolt™ Reversing Alarm

Durable intermittent Reversing Alarm. Easily fitted to any car or truck's reversing lamp wiring system or wire to a switch on your dashboard.



Part No.	Sound Type	Output - Lp @ 1.2m, dB(A)
3SL 950 751-011	6023	89dB
Voltage	12-36V DC	
Current Draw	Less than 50mA	
Sound Pressure Level	89dB(A) @ 1.2m	

Handy Box® Blade Fuse Kit

The Handy Box® Blade Fuse Kit contains 475 of the most popular amperage and blade fuse sizes. All parts in the kit are available as spares.



8JS 009 257-801	HM8294	HANDY BOX® BLADE FUSE KIT
Contents	Flat Fuse Insert 2A 8JS Flat Fuse Insert 3A 8JS Flat Fuse Insert 4A 8JS Flat Fuse Insert 5A 8JS Flat Fuse Insert 7,5A 8JS Flat Fuse Insert 10A 8JS Flat Fuse Insert 15A 8JS Flat Fuse Insert 20A 8JS Flat Fuse Insert 25A 8JS Flat Fuse Insert 30A 8JS Flat Fuse Insert 2A 8JS Fuse-Link 3A 8JS Flat Fuse Insert 4A 8JS Flat Fuse Insert 5A Fivefold 8JS Flat Fuse Insert 7,5A 8JS Flat Fuse Insert 10A 8JS Fuse-Link 8JS Flat Fuse Insert 20A 8JS Flat Fuse Insert 25A 8JS Fuse Insert 30A 8JS Flat Fuse Insert 40A 8JS	

Handy Box® Crimp Terminal Kit

The Handy Box® Crimp Terminal Kit contains 401 of the most popular terminals and connectors and a crimp terminals tool. All parts in the kit are available as spares.

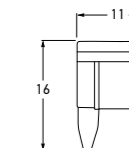


8KW 009 254-801	HM8295	HANDY BOX® CRIMP TERMINAL KIT
Contents	Flat Fuse Insert 2A 8JS Cable Shoe 4-1 8KW Cable Shoe 5-1 8KW Flat Receptacle Female 8KW Flat Terminal 6,3 8KW Round Plug 4 8KW Cable Shoe 5-2,5 8KW Flat Receptacle Female 6,3 8KW Cable Shoe 4-2,5 8KW Cable Shoe 5-2,5 8KW Cable Lug Shoe 6-2,5 574-99 8KW Joint Connector 8KW Flat Terminal 6,3 8KW Flat Terminal 6,3 8KW Circular Socket D4 8KW Flat Terminal (Female) Receptacle 8KW Flat Terminal (Female) Receptacle 8KW Cable Shoe 8KW Cable Shoe 8KW Clutch 8KW Connector, Insulating Splice 8KV Crimping Tool 8PE	

Mini Blade Fuses (ATN)

- Pack of 10

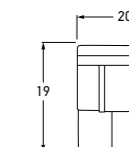
10 popular Blade Fuses – ideal for the glove box.



8JS 905 527-011	8771MINI	BLISTER PACK	TAN	5A
8JS 905 528-011	8772MINI	BLISTER PACK	BROWN	7.5A
8JS 905 529-011	8773MINI	BLISTER PACK	RED	10A
8JS 905 531-011	8774MINI	BLISTER PACK	BLUE	15A
8JS 905 533-011	8775MINI	BLISTER PACK	YELLOW	20A
8JS 905 534-011	8776MINI	BLISTER PACK	WHITE	25A
8JS 905 535-011	8777MINI	BLISTER PACK	GREEN	30A

Standard Blade Fuses (ATS)

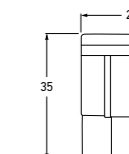
- Pack of 10



8JS 905 527-001	8771	BLISTER PACK	TAN	5A
8JS 905 528-001	8772	BLISTER PACK	BROWN	7.5A
8JS 905 529-001	8773	BLISTER PACK	RED	10A
8JS 905 531-001	8774	BLISTER PACK	BLUE	15A
8JS 905 533-001	8775	BLISTER PACK	YELLOW	20A
8JS 905 534-001	8776	BLISTER PACK	WHITE	25A
8JS 905 535-001	8777	BLISTER PACK	GREEN	30A

Maxi Blade Fuses (ATM)

- Single Pack



8JS 728 595-051	8790	BLISTER PACK	YELLOW	20A
8JS 728 595-061	8791	BLISTER PACK	GREEN	30A
8JS 728 595-071	8792	BLISTER PACK	ORANGE	40A
8JS 728 595-081	8793	BLISTER PACK	RED	50A
8JS 728 595-091	8794	BLISTER PACK	BLUE	60A
8JS 728 595-111	8795	BLISTER PACK	BROWN	70A
8JS 728 595-101	8796	BLISTER PACK	WHITE	80A

Garage & Auto Electrical Fuse Assortment Kit

100 of the most popular blade and ceramic fuses.



8JS 905 536-001	8778	Colour	Quantities
Content	8771	Tan Blade 5A	10
	8772	Brown Blade 7.5A	10
	8773	Red Blade 10A	10
	8774	Blue Blade 15A	10
	8775	Yellow Blade 20A	10
	8776	White Blade 25A	10
	8777	Green Blade 30A	10
	8750	White Ceramic 8A	10
	8751	Red Ceramic 25A	10
	8753	Blue Ceramic 16A	10

Motorist Mini - Fuse Assortment (ATS) - Pack of 10

10 popular mini blade fuses



8JS 905 537-011	8779MINI	Colour	Quantities
Content	8771MINI	Tan Blade 5A	1
	8772MINI	Brown Blade 7.5A	1
	8773MINI	Red Blade 10A	2
	8774MINI	Blue Blade 15A	2
	8775MINI	Yellow Blade 20A	2
	8776MINI	White Blade 25A	1
	8777MINI	Green Blade 30A	1

Motorist Fuse Assortment (ATS) - Pack of 10

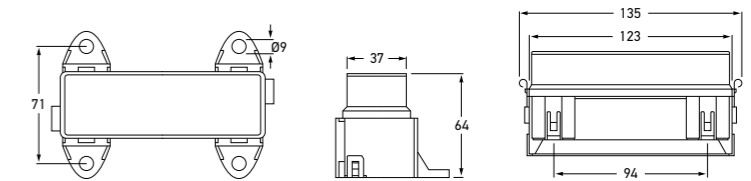
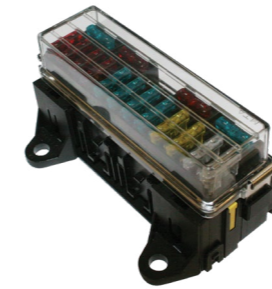
10 popular Blade Fuses – ideal for the glove box.



8JS 905 537-001	8779	Colour	Quantities
Content	8772	Brown Blade 7.5A	1
	8773	Red Blade 10A	2
	8774	Blue Blade 15A	2
	8775	Yellow Blade 20A	2
	8776	White Blade 25A	2
	8777	Green Blade 30A	1

Blade Fuse Box - 16 Fuses

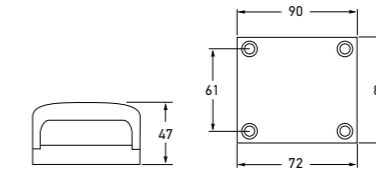
16-way Fuse Box featuring black plastic housing with secondary locks, transparent cover and sealing gasket. Supplied with mounting brackets (male and female).



8JD 905 524-031	8724
Number of Fuses	16
Fuse Type	6 x 10A 6 x 15A 2 x 20A 2 x 25A

Blade Fuse Box - 6 Fuses

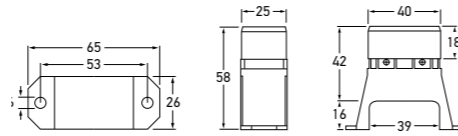
Black plastic housing with transparent snap-fit lid and 6.3mm male blade terminals. 6mm diameter stud input. Complete with 2 spare fuse holders and label set.



8JD 005 993-093	8725
Number of Fuses	6
Fuse Type	3 x 10A 3 x 15A

Blade Fuse Box - 4 Fuses

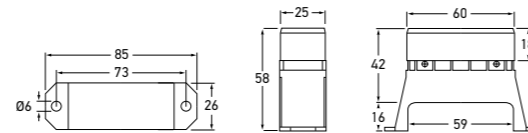
Black plastic housing with transparent snap-fit lid. Flat plug connections.



8JD 905 524-001	8720
Number of Fuses	4
Fuse Type	2 x 10A 2 x 15A

Blade Fuse Box - 6 Fuses

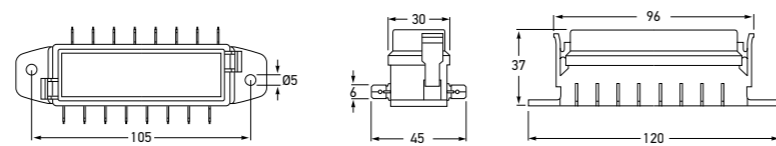
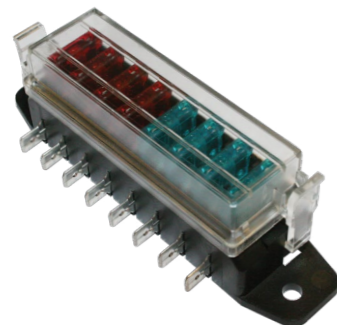
Black plastic housing with transparent snap-fit lid. Flat plug connections.



8JD 905 524-011	8721
Number of Fuses	6
Fuse Type	3 x 10A 3 x 15A

Blade Fuse Box - 8 Fuses

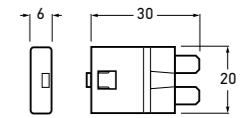
Black plastic housing with transparent snap-fit lid. Flat plug connections.



8JD 905 524-021	8722
Number of Fuses	8
Fuse Type	4 x 10A 4 x 15A

**Manual - Reset Circuit Breakers
28 Volts DC**

Miniaturised manual-reset, single-pole thermal Circuit Breaker for automotive fuse block installation as a replacement for standard blade fuses. Designed to suit extra-low-voltage wiring systems on all types of vehicles and marine craft.



8JS 910 017-051	8730	10 - 28V DC	6A
8JS 910 017-061	8731	10 - 28V DC	8A
8JS 910 017-011	8732	10 - 28V DC	10A
8JS 910 017-021	8733	10 - 28V DC	15A
8JS 910 017-031	8734	10 - 28V DC	20A
8JS 910 017-041	8735	10 - 28V DC	25A

Voltage	Max. 28V DC (Min 10V DC)
Mounting	Blade Fuse replacement

Timing Light

Timing Light with stroboscope for precise timing adjustment of all petrol engines. Features corrosion and impact resistant housing and inductive clamp.



8PD 004 835-001 7023 **12 VOLT**



Cable Cutter



8PE 905 482-001 8277

High-quality Cable Cutter suitable for copper cable up to 70mm² cross-sectional area. Cleanly cuts finely stranded battery and welding cables used in automotive applications. Length of 195mm ensures adequate leverage for ease of cutting.

Cable Tie Gun - Automatic Cut



8PE 910 002-031 8279

Durable Nylon Tie Gun with automatic cut-off. Suitable for cable ties ranging from 2.2mm to 4.8mm width.

**Cable Tie Gun
Heavy Duty, Automatic Cut**



8PE 910 002-021 8299

Robust Nylon Cable Tie Gun featuring automatic cut-off and adjustable tension for maximum durability and extended service life. Suitable for heavy-duty cable ties ranging from 3.6mm to 9mm width.





Contents

Truck & Trailer Connectors

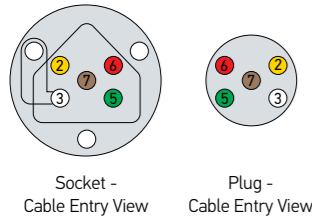
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Light Duty Trailer Connectors.....	304-306	ABS/EBS Truck/Trailer Wiring and Connectors.....	312-315
Heavy Duty Trailer Connectors.....	307-309		

**Truck & Trailer
connectors**

TOWING, TRAILER AND TRUCK WIRING CONFIGURATIONS

Common trailer lighting pin configurations used for different plugs and sockets are tabled and illustrated below.

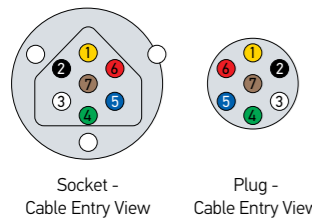
5 Pole Round Light Duty Connector (AS2513)



5 POLE ROUND LIGHT DUTY CONNECTOR (AS2513)		
Terminal No.	Function	Colour
2	Left-hand flasher lamps	Yellow
3	Earth return	White
5	Right-hand flasher lamps	Green
6	Stop lamps	Red
7	Rear position, number plate and clearance lamps	Brown

Note If separate earth cable is not used on vehicle, earthing strip supplied should be fitted into Terminal No. 3 of socket and under mounting screw as shown.

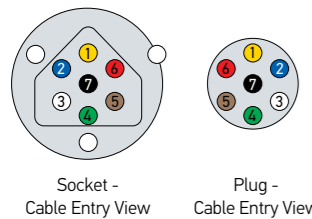
7 Pole Round Light Duty Connector (AS2513)



7 POLE ROUND LIGHT DUTY CONNECTOR (AS2513)		
Terminal No.	Function	Colour
1	Left-hand flasher lamps	Yellow
2	Reversing lamps	Black
3	Earth return	White
4	Right-hand flasher lamps	Green
5	Service brakes (or Auxiliary)	Blue
6	Stop lamps	Red
7	Rear position, number plate and clearance lamps	Brown

Note Where service brakes are not fitted, Terminal No. 5 is commonly used for auxiliary trailer power.

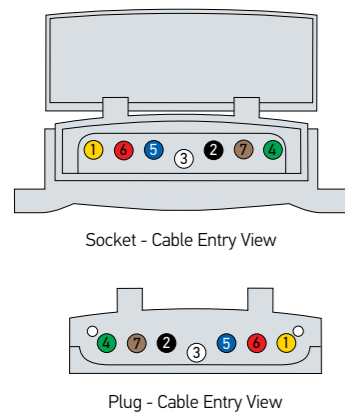
7 Pole Round Light Duty Connector (ISO1724)



7 POLE ROUND LIGHT DUTY CONNECTOR (ISO1724)		
Terminal No.	Function	Colour
1	Left-hand flasher lamps	Yellow
2	Rear fog lamp	Blue
3	Earth return	White
4	Right-hand flasher lamps	Green
5	Right tail lamp, clearance lamp, sidelamp and number plate lamp	Brown
6	Stop lamps	Red
7	Left tail lamp, clearance lamp, sidelamp and number plate lamp	Black

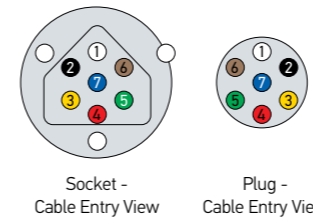
Note Common hardware to AS2513 7 Pole Round connector, but accounts for separate right/left tail lamps and rear fog lamps. Also does not account for reversing lamps on the trailer.

7 Pole Flat Light Duty Connector (AS2513)



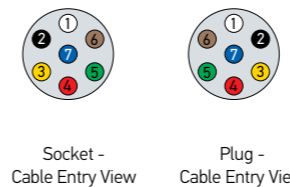
7 POLE FLAT LIGHT DUTY CONNECTOR (AS2513)		
Terminal No.	Function	Colour
1	Left-hand flasher lamps	Yellow
2	Reversing lamps	Black
3	Earth return	White
4	Right-hand flasher lamps	Green
5	Service brakes (or Auxiliary)	Blue
6	Stop lamps	Red
7	Rear position, number plate and clearance lamps	Brown

7 Pole Round Heavy Duty Connector (ISO1185)



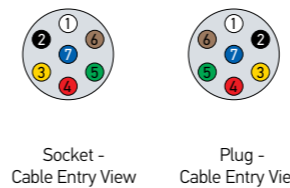
7 POLE ROUND HEAVY DUTY CONNECTOR (ISO1185)		
Terminal No.	Function	Colour
1	Earth return	White
2	Left tail lamp, clearance lamp, sidelamp and number plate lamp	Black
3	Left-hand flasher lamps	Yellow
4	Stop lamps	Red
5	Right-hand flasher lamps	Green
6	Right tail lamp, clearance lamp, sidelamp and number plate lamp	Brown
7	Control trailer brake	Blue

7 Pole Round Heavy Duty Connector (SAE J560)



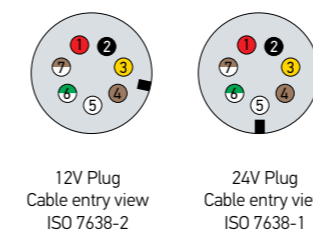
7 POLE ROUND HEAVY DUTY CONNECTOR (SAE J560)		
Terminal No.	Function	Colour
1	Earth return	White
2	Clearance lamps/outline marker lamps, identification lamps	Black
3	Left-hand flasher lamps	Yellow
4	Stop lamps	Red
5	Right-hand flasher lamps	Green
6	Tail lamps and number plate lamps	Brown
7	Brake controller (or Auxiliary) Power	Blue

7 Pole Round Heavy Duty Connector (AS4735)



7 POLE ROUND HEAVY DUTY CONNECTOR (AS4735)		
Terminal No.	Function	Colour
1	Earth return	White
2	Left tail lamp, clearance/outline lamp, identification and number plate lamp	Black
3	Left-hand flasher lamps	Yellow
4	Stop lamps	Red
5	Right-hand flasher lamps	Green
6	Right tail lamp, clearance/outline lamp, identification and number plate lamp	Brown
7	Reversing lamps	Blue

7 Pole ABS/EBS Connector (ISO 7638-1 / ISO 7638-2)



Multivolt™ suzi coil comes with warning flags

7 POLE ABS/EBS CONNECTOR (ISO 7638-1 / ISO 7638-2)		
Terminal No.	Function	Colour
1	(+) 12V or 24V permanent for control valves	Red
2	(+) 12V or 24V via ignition lock for electronics	Black
3	Ground for electronics (Pin 2)	Yellow
4	Ground for control valves (Pin 1)	Brown
5	ABS Fault Indication	White
6	CAN H, for EBS and ABS	Green/White
7	CAN L, for EBS and ABS	Brown/White

This connector is intended to be used for ABS and EBS on heavy duty trailers. 12V ISO 7638-2 connector is identified with a key between pin 3 and 4, while 24V ISO 7638-1 connector is identified with a key at pin 5. Multivolt™ Connector: Only to be used on Multivolt™ ABS/EBS systems. It is the responsibility of the user to ensure correct voltage compatibility and latch alignment. System created for 12V and 24V. We assume no liability for damage resulting from improper application.

ACCESSORIES

ACCESSORIES

7 Pole Metal Socket



8JB 001.941-921	4901	Metal Housing	
8JB 001 941-005	4901BULK	Metal Housing	PACK OF 25
Description	Metal housing with securing cap locks plug in position.		
Maximum Load	20A @ 12V (total). 10A @ 24V (total).		
Wiring Standards	AS2513, ISO1724 (Light duty)		

7 Pole Plastic Plug



8JA 905 386-001	4902 - Plastic Housing		
Description	Black Plastic Plug with strain relief.		
Maximum Load	20A @ 12V (total). 10A @ 24V (total).		
Wiring Standards	AS2513, ISO1724 (Light duty)		

7 Pole Plastic Plug



8JB 001 939-003	4909 - Plastic Housing		
Description	Simply stores in boot until required. Requires no permanent bumper mounting.		
Maximum Load	20A @ 12V (total). 10A @ 24V (total).		
Wiring Standards	AS2513, ISO1724 (Light duty)		

7 Pole Metal Plug



8JA 001 918-003	4911	Metal Housing	
8JA 001 918-004	4911BULK	Metal Housing	PACK OF 25
Description	Metal housing.		
Maximum Load	20A @ 12V (total). 10A @ 24V (total).		
Wiring Standards	AS2513, ISO1724 (Light duty)		

7 Pole Plastic Socket



8JB 001 943-091	4912	Plastic Housing	
Maximum Load	20A @ 12V (total). 10A @ 24V (total).		
Wiring Standards	AS2513, ISO1724 (Light duty)		

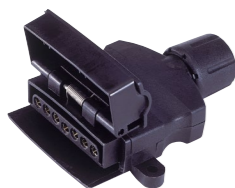
7 Pole Weatherproof Socket

Weatherproof 7 Pole round socket for light duty applications. Fully sealed including at cable entry and socket access door. Crimp style connections require a crimping tool to suit "VKS-Plus" style terminals.



8JB 910 032-041			
IP Rating	IPX7 and IPX9K		
Wire Size	1.0 – 2.5mm ²		
Standard	ISO 1724		
Wiring Standards	AS2513, ISO1724 (Light duty)		

7 Pole Flat Socket



8JB 910 032-011	4920	SOCKET
Maximum Load	20A @ 12V (total) 10A @ 24V (total)	
Wiring Standards	AS2513 Flat (Light duty)	

7 Pole Flat Weatherproof Socket

Weatherproof 7 Pole Flat socket for light duty applications. Fully sealed including at cable entry and socket access door. Crimp style connections require a crimping tool to suit "MCP 2.8" style terminals.



8JB 910 032-021		
IP Rating	IPX7 and IPX9K	
Wire Size	1.5 - 2.5mm ²	
Wiring Standards	AS2513 Flat (Light duty)	

7 Pole Flat Plug

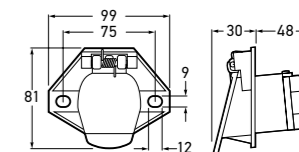
Mates with all standard 7 and 12 pole connectors.



8JA 910 032-001	4921	PLUG
8JA 910 032-002	4921-BULK	PACK OF 50
Maximum Load	20A @ 12V (total) 10A @ 24V (total)	
Wiring Standards	AS2513 Flat (Light duty)	

2 Pole Socket - 200A

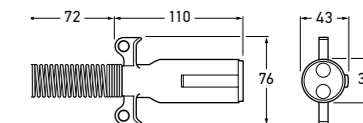
2 Pole Socket designed for applications with high current draw requirements. Easy to install and operates interdependently of lighting circuit.



8JB 905 394-011	4941	SOCKET
Maximum Load	200A @ 12V	

2 Pole Plug - 200A

2 Pole Socket designed for applications with high current draw requirements. Easy to install and operates interdependently of lighting circuit.



8JA 905 394-001	4940	PLUG
Maximum Load	200A @ 12V	

7 Pole Heavy Duty Plug and Socket

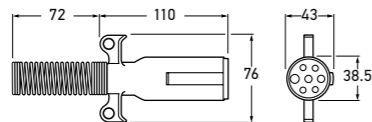
Plug and Socket made from metal, with screw terminals (ISO 1185).



8JB 003 833-002	4907	SOCKET
8JA 003 831-002	4908	PLUG
Maximum Load	15A @ 24V with 1.5mm ² cable (total) 7 x 40A @ +12V 20A @ 24V with 2.5mm ² cable (total) 7 x 20A @ +24V	
Suitability	4907 suits 4908, 4934 & 4934NY 4908 suits 4907, 4935 & 4935NY	
Wiring Standards	ISO 1185, SAE J560, AS4735	

7 Pole Heavy Duty SAE Plug - Metal

Heavy-duty 7 Pole Metal Plug manufactured in accordance with AS 4735-2003 (ISO1185 & SAE J560B) standards. Features die-cast zinc housing, high-conductivity 100 percent brass floating pins held between sonic-welded inserts and spring cable guard for additional support and protection. Larger finger grips set back from the latched socket lid allow for safe and trouble-free disconnection.

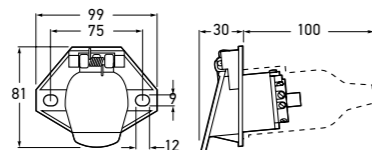


8JA 905 392-001	4934	PLUG
Maximum Load	70A @ 12V	
Suits	Part No. 4907, 4935 and 4935NY	
Wiring Standards	ISO 1185, SAE J560, AS4735	



7 Pole SAE Socket - Metal

Heavy-duty 7 Pole Metal Socket die-cast in robust zinc and manufactured in accordance with AS 4375-2003 (ISO1185 & SAE J560B) standards. Features include full opening lid for ease of plug insertion and extended front barrel housing for added plug support. Raised internal ribs allow for drainage of moisture to prevent corrosion and short circuits. Includes protective rubber boot, Part No. 4936.

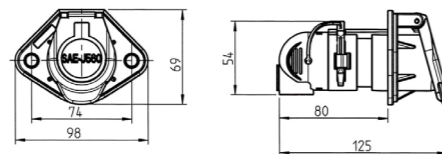


8JB 905 392-021	4935	SOCKET
Mounting	58.9mm diameter opening	
Maximum Load	70A @ 12V	
Suits	Part No. 4934 and 4934NY	
Spare part	4936 Protective Rubber Boot ①	
Wiring Standards	ISO 1185, SAE J560, AS4735	



7 Pole SAE Socket - Weatherproof

Weatherproof 7 Pole socket for heavy vehicle applications. Also suitable where a water-resistant socket is required (some hazardous goods applications). Fully sealed including at cable entry and socket access door. Crimp style connections require a crimping tool to suit "Double B-Crimp with seal" style terminals.

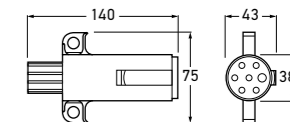


8JB 905 392-051		
IP Rating	IPX7 and IPX9K	
Cable Size	AWG 10-12 (4.0-6.0 mm ²) for all cables except earth, AWG 8 (10.0 mm ²)	
Wiring Standards	ISO 1185, SAE J560, AS4735	



7 Pole SAE Plug - Nylon

Heavy-duty 7 Pole Plug manufactured in accordance with AS 4735-2003 (ISO1185 and SAE J560B) standards. The ultra-durable nylon housing is of lightweight and resistant to degreasers, solvents and contact cleaners. Other features include high-conductivity 100 percent brass pins, exclusive cable guard and 360 degree compression clamp creating a rear moisture seal, whilst also preventing accidental cable pull out.

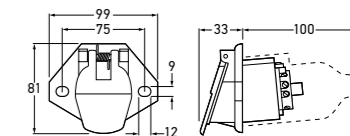


8JA 905 392-011	4934NY	PLUG
Maximum Load	70A @ 12V	
Suits	Part No. 4907, 4935 and 4935NY	
Wiring Standards	ISO 1185, SAE J560, AS4735	



7 Pole SAE Socket - Nylon

Heavy-duty 7 Pole Socket made from composite glass-filled nylon and manufactured in accordance with AS 4735-2003 (ISO1185 & SAE J560B) standards. The ultra-durable nylon housing is of lightweight and resistant to petrochemicals, solvents and contact cleaners. Raised internal ribs allow for drainage of moisture to prevent corrosion and short circuits. Other features include full opening lid and extended front barrel housing for additional support and protection. Supplied complete with protective rubber boot, Part No. 4936.



8JB 905 392-031	4935NY	SOCKET
Mounting	58.9mm diameter opening	
Maximum Load	70A @ 12V	
Suits	Part No. 4934NY and 4934	
Spare Part	4936 Protective Rubber Boot ①	
Wiring Standards	ISO 1185, SAE J560, AS4735	



ISO1185 / SAE J560 Socket / Lead Tester

Circuit testers make diagnosing wiring and lighting issues on trailers quick and easy in the field. Socket testers check the status of connections on the vehicle while the plug tester can be used at the end of a connection lead attached to the vehicle output socket.

8PD 004 508-011 - 7 Pin ISO1185 / SAE J560 Socket Tester	SOCKET
8PD 004 508-021 - 7 Pin ISO1185 / SAE J560 Plug Tester	PLUG
Wiring Standards	ISO 1185, SAE J560, AS4735



8PD 004 508-011

8PD 004 508-021

**Suzi Coil with 7P ISO 1724 /
AS 2513 Plugs**

Cable outlet: PG Gland.
Outer Coil Diameter: 50mm.



8KA 227 440-101	
Housing	Silver coloured break-proof metal
Maximum Working Length	4.6m
Cable Outlet	PG Gland
Wire Cross Section Area	6 x 1.5 mm ² + 1 x 2.5 mm ²
Tail Ends	Tail 1: 220 mm, Tail 2: 220 mm

**Suzi Coil with 7P ISO 1724 /
AS 2513 Plugs Long tail**

Cable outlet: PG Gland.
Outer Coil Diameter: 50mm.



8KA 227 440-111 - Long Tail	
Housing	Silver coloured break-proof metal
Maximum Working Length	5.6m
Cable Outlet	PG Gland
Wire Cross Section Area	6 x 1.5 mm ² + 1 x 2.5 mm ²
Tail Ends	Tail 1: 300 mm, Tail 2: 1300 mm

**Suzi Coil with Heavy Duty 7P
SAEJ 560 Plugs**

These 7 pin spiral cable-plug assemblies are designed to provide a superior electrical connection between the Prime mover and trailer. The uni-molded connector bodies are extremely robust providing best in class performance and are completely unique to the market.

- High performance crimped contacts
- Integrated strain relief provides permanent kink protection
- Resistant to diesel fuel, engine coolant, engine oil, gear oil, water, salt, dirt, UV radiant and impact resistance.



8KA 905 392-041	
Housing	Uni-molded connector body seals out water and corrosive chemicals
Cable Outlet	Molded, bending protection
Wire Cross Section Area	4 x 3 mm ² + 2 x 5 mm ² + 1 x 8 mm ²
Max. Working Length	4m
Max. Extension Length	4.5m

**Suzi Coil with 7P AS 2513
to SAE J560**

Outer Coil Diameter: 50mm.
Maximum working length 4.6m.



8KA 227 440-141	
Housing	ISO plug: Silver coloured break-proof metal SAE plug: Reinforced composite plastic
Pins	7
Maximum Working Length	4.6m
Wire Cross Section Area	6 x 1.5 mm ² + 1 x 2.5 mm ²
Tail Ends	Tail 1: 300 mm, Tail 2: 300 mm

**Suzi Coil with 7P AS 2513
to SAE J560**

Outer Coil Diameter: 50mm.
Maximum working length 5.6m.



8KA 227 440-151 - Long Tail	
Housing	ISO plug: Silver coloured break-proof metal SAE plug: Reinforced composite plastic
Pins	7
Maximum Working Length	5.6m
Wire Cross Section Area	6 x 1.5 mm ² + 1 x 2.5 mm ²
Tail Ends	Tail 1: 300 mm, Tail 2: 1300 mm



8JB 227 440-011	
Operating voltage	12V DC
Pins	7
Housing	Reinforced Composite
For Cable	9 - 16mm
Contact Termination	Screw Contact
Standard	ISO7638-2

7P/12V ABS/EBS Plug with Screw Contacts

Made of reinforced composite with rubber seals. Mechanical strain relief.



8JA 227 440-031	
Operating voltage	12V DC
Pins	7
Housing	Reinforced Composite
For Cable	9 - 16mm
Contact Termination	Screw Contact
Standard	ISO7638-2

Suzi Coil with 7P/12V ABS/EBS Plug

Max 4.5m cable length with plug at both ends and bending protection grommet. Outer cable dia: 50mm.



8JA 227 440-051	
Operating voltage	12V DC
Pins	7
Max. Working Length	4m
Max. Extension Length	4.5m
Standard	ISO7638-2

7P/24V ABS/EBS Socket with Screw Contacts

Made of reinforced composite, with cover and rubber seals, and a high strength cable gland at the cable outlet. colour coded for easy installation.



8JB 227 440-021	
Operating voltage	24V DC
Pins	7
Housing	Reinforced Composite
For Cable	9 - 16mm
Contact Termination	Screw Contact
Standard	ISO 7638-1

7P/24V ABS/EBS Plug with Screw Contacts

Made of reinforced composite with rubber seals. Mechanical strain relief. colour coded for easy installation.



8JA 227 440-041	
Operating voltage	24V DC
Pins	7
Housing	Reinforced Composite
For Cable	9 - 16mm
Contact Termination	Screw Contact
Standard	ISO 7638-1

Suzi Coil with 7P/24V ABS/EBS Plug

Max 4.5m cable length with plug at both ends and bending protection grommet. Outer cable dia: 50mm.



8KA 227 440-061	
Operating voltage	24V DC
Pins	7
Max. Working Length	4m
Max. Extension Length	4.5m
Standard	ISO 7638-1

Suzi Coil without Plug

Working length: 4.5 meters.
 Temperature range: -40°C to 100°C.
 Outer coil diameter: 50mm.
 Suitable for ABS/EBS connections with appropriate plugs



8JA 227 440-071

Wire Cross Section	5 x 1.5mm ²
Area	2 x 4 mm ²

Suzi Coil with 7P / Multivolt™ ABS/EBS Plug

Temperature range: -40°C to 100°C.
 Outer Coil Diameter: 50mm.



8KA 227 440-081

Operating Voltage	Multivolt™*
Pins	7
Maximum Working Length	8KA 227 440-081 4.5m
Wire Cross Section Area	5 x 1.5 mm ² + 2 x 4.0 mm ²
Tail Ends	8KA 227 440-081 Tail 1: 300 mm, Tail 2: 300 mm

*Caution: Operator must confirm voltage compatibility of prime mover and trailer.

Suzi Coil with 7P / Multivolt™ ABS/EBS Plug Long Tail

Temperature range: -40°C to 100°C.
 Outer Coil Diameter: 50mm.



8KA 227 440-181 - Long tail

Operating Voltage	Multivolt™*
Pins	7
Maximum Working Length	8KA 227 440-181 5.2m
Wire Cross Section Area	5 x 1.5 mm ² + 2 x 4.0 mm ²
Tail Ends	8KA 227 440-181 Tail 1: 300 mm, Tail 2: 1000 mm

*Caution: Operator must confirm voltage compatibility of prime mover and trailer.

7P / Multivolt™ ABS/EBS Plug

Made of reinforced composite, with cover and rubber seals, and a high strength cable gland at the cable outlet.



8JA 227 440-091

Operating Voltage	Multivolt™*
Pins	7
Housing	Reinforced Composite
For Cable	11 mm to 18 mm
Contact Termination	Screw Contact

*Caution: Operator must confirm voltage compatibility of prime mover and trailer.

Park Socket

Used when Plug is not connected to actual socket to prevent the exposure to environment.



8HG 227 440-001

Housing	Reinforced Composite
Suitable For	7P ABS/EBS Plugs 13P & 15P Plugs

ISO7638-1 ABS/EBS Socket Tester

Circuit testers make diagnosing wiring and lighting issues on trailers quick and easy in the field. The ABS/EBS Socket tester can be used on 24V and Multi-Volt ABS/EBS Sockets to confirm connectivity and functionality of the socket.



8PD 004 508-031 - 7 Pin ISO7638-1 Socket Tester

Wiring Standards	ISO 7638-1 (24V)
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Contents

Electrical wiring and connectors

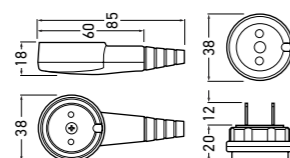
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**Electrical wiring
and connectors**



Magcode® Power Outlet Systems

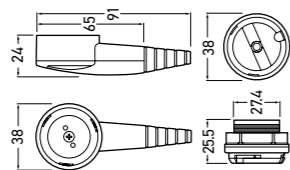
System with magnetically coded flat contacts. Port (outlet) and clip (connector) feature powerful magnets with integral switching function ensuring stable connection and safe power supply. Easy to install, 100 percent short circuit proof. Suits retro-fitting.



8KW 910 169-001	HMPS12VKIT	POWER SYSTEM - 12V DC	
8KW 910 169-351	HMPS24VKIT	POWER SYSTEM - 24V DC	
8KW 910 170-021	HMPS12VPT	POWER PORT - 12V DC	
8KW 910 169-341	HMPS24VPT	POWER PORT - 24V DC	
8KW 910 168-001	HMPS12VCP	POWER CLIP - 12V DC	
8KW 910 168-241	HMPS24VCP	POWER CLIP - 24V DC	
Mounting	28mm dia. (M28) opening		
Maximum Load	25A @ +20°C	25A @ +70°C	20A @ +85°C
Rated Voltage	12V DC	24V DC	
Locking Mechanism	Magnetic Connection		
Protection	Port (front side installed) IP6K9K Port (connection side) IP5K0	Clip (not connected) IP40 Clip (on port) IP42	

MagCode® Pro Power Outlet Systems

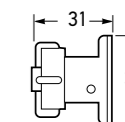
Advanced system for higher power circuits featuring additional mechanical twist lock for greater security (higher separation forces) and reliable prevention from arcing.



8KW 910 169-011	HMPSPRO12VKIT	POWER SYSTEM PLUS - 12V DC	
8KW 910 170-011	HMPSPRO12VPT	POWER PORT PLUS - 12V DC	
8KW 910 168-011	HMPSPRO12VCP	POWER CLIP PLUS - 12V DC	
Mounting	28mm dia. (M28) opening		
Maximum Load	26A @ +20°C	25A @ +70°C	20A @ +85°C
Rated Voltage	12V DC	24V DC	
Locking Mechanism	Magnetic Connection plus mechanical twist lock		
Protection	Port (front side installed) IP6K9K Port (connection side) IP5K0	Clip (not connected) IP40 Clip (on port) IP42	

2 Pole Socket

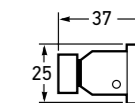
Chrome-plated 2-pin polarised. All-brass connection.



8JB 950 987-001	2741	SOCKET
Maximum Load	22A @ 12V	
Mounting	Surface Mount (3x3mm holes).	

2 Pole Plug

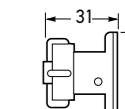
Chrome-plated 2-pin polarised. All-brass construction. Waterproof gland cable entry.



8JA 950 988-001	2742	SOCKET
Maximum Load	22A @ 12V	

4 Pole Socket

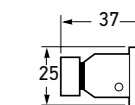
Chrome-plated 4-pin polarised. All-brass construction.



8JB 950 989-001	2744	SOCKET
Mounting	Surface Mount (3 x 3mm holes)	
Maximum Load	22A @ 12V	

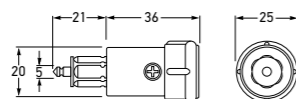
4 Pole Plug

Chrome-plated 4-pin polarised. All-brass construction. Waterproof gland cable entry.



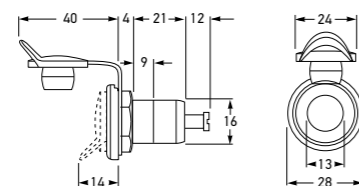
8JA 950 990-001	2745	PLUG
Maximum Load	22A @ 12V	

2 Pole Plug

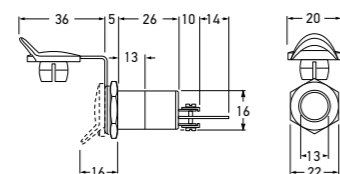


8JA 002 262-021	4914	PLUG
Maximum Load	16A @ 12V 8A @ 24V	
Sockets to Suit	Part No. 4915, 4916, 4917 and 4918.	

2 Pole Socket with Cover

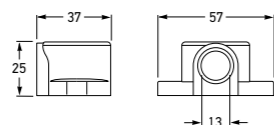


8JB 001 946-023	4915	SOCKET
Mounting	19mm diameter opening	
Maximum Load	16A @ 12V 8A @ 24V	

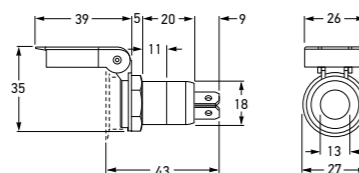
2 Pole Socket with Cover
- Insulated Earth

8JB 004 777-013	4916	SOCKET
Mounting	19mm diameter opening	
Maximum Load	16A @ 12V 8A @ 24V	

2 Pole Surface Mount Socket



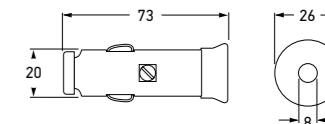
8JB 004 123-005	4917	SOCKET
Mounting	Surface Mount	
Maximum Load	16A @ 12V 8A @ 24V	

2 Pole Socket with Metal Earth
Tab and Cover

8JB 905 388-001	4918	SOCKET
Mounting	22mm diameter opening	
Maximum Load	16A @ 12V 8A @ 24V	

2 Pole Power Plug

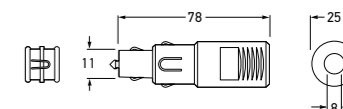
Suitable for standard cigarette sockets.



8JA 905 395-001	4950	PLUG
Maximum Load	8A @ 12V 4A @ 24V	
Socket to Suit	Part No. 8JB 008 023-011 & 8JB 008 023-001	

2 Pole Fused Power/DIN Plug

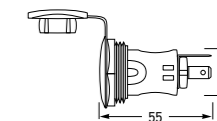
Combination Lighter/DIN 2 Pole Plug with in-built 8A ceramic type fuse suitable for both cigarette lighter and DIN ISO 4165 sockets (standard 2 pole sockets).



8JA 007 589-003	4952	PLUG
Maximum Load	8A @ 12V	
Sockets to Suit	Part No. 4913, 4915, 4916, 4917, 4918, 8JB 008 023-001, 8JB 008 023-011 and 8JB 008 032-001.	

2 Pole Power Socket

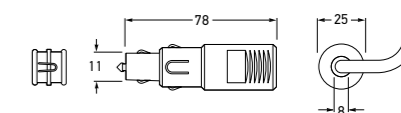
2 Pole lighter size Power Socket with protective cover for connection of a variety of electrical accessories.



8JB 008 023-001	4943	SOCKET
Maximum Load	15A @ 12V	
Plugs to Suit	Part No. 4950, 4951, 4952 & 4939.	

2 Pole Power Socket - Twin DIN
Output

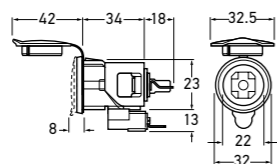
Twin Power Socket featuring two DIN 1465 output sockets for connection of accessories. Plugs into standard vehicle cigarette lighter sockets. Primary lighter plug connection features a removable extension piece allowing the unit to also plug into DIN 2 pole sockets if required.



8JB 008 032-001	4939	SOCKET
Maximum Load	10A	

2 Pole Power Socket - Illuminated - 12V

2-pole cigarette-lighter-size Power Socket with protective cover and illuminated collar for connection of a variety of electrical accessories.



8JB 008 023-011	4942	SOCKET
Voltage	12V Globe included	
Maximum Load	15A @ 12V	
Globes to Suit	12V (W121.2) 24V (W241.2)	
Sockets to Suit	Part No. 4950, 4951, 4952 & 4939.	

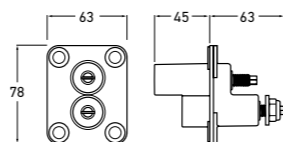
Jump Start Terminals

Heavy duty, high capacity Jump-Start Connectors for vehicles and equipment. Ideal for use where access to terminals is restricted or dangerous. Eliminates chance of cross polarity connections through the specially shaped plug. Reduces chance of sparking and possible ignition of flammable materials. Kit contains terminal, bracket and cap.



HM7546J

HM7546P



8JB 177 305-001	HM7546J	JUMP START TERMINAL
8HG 177 305-031	HM7546KIT	JUMP START TERMINAL KIT
8JA 177 305-101	HM7546P	JUMP START PLUG
8RA 013 347-061		JUMP START PLUG
8RA 013 347-061		JUMP START TERMINAL
8RA 013 347-061		JUMP START TERMINAL KIT

Spare Parts	HM7546B HM7546C	Terminal Bracket ① Terminal Cap ②
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QUICK LINKS

Flexible and secure mounting

The quick link wiring system is a further contact option that stands out thanks to fast and straightforward installation.

Lamps fitted with HELLA quick link wiring consist of a cable with a coupling. The cables are delivered in different lengths depending on requirements. These lamps can contact a 2-wire flat cable in any place. They may also be used for dangerous goods transport.



- Simply connect the coupling to the flat cable
- Fix with the clamping piece
- Press together with the mounting pliers
- Finished



Crimping tool
8PE 008 932-001



QL flat cable 100m
8KL 340 050-001



Heat-shrink end cap
9GS 340 051-001



QL Harness 2-Pin DT
8KA 910 579-017 500mm
8KA 910 579-027 1000mm
8KA 910 579-047 2000mm
8KA 910 579-067 5000mm



Flush mount side marker lamp with QL
2083QLBULK 500mm



Polished flush mount marker lamp with QL
2083QLSBULK



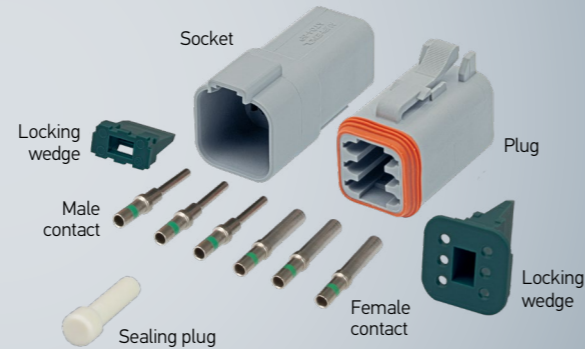
Numberplate lamp with QL
2KA 012 271-041

DT Connectors

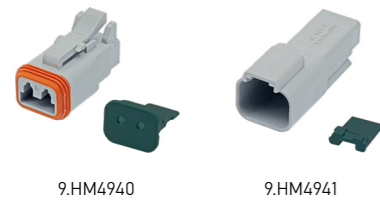
Industry standard environmentally sealed connectors rated at -55° to 125°C.

Rated to 13A current per terminal pin.

Connector housing packs (for plug and socket) are supplied with locking wedges, contact terminals available separately.



2-Pole DT Type Connector Housings



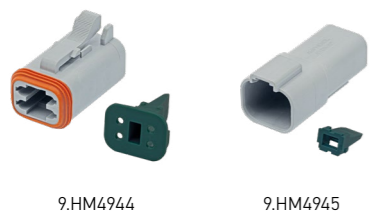
2-POLE DT TYPE CONNECTOR HOUSINGS			
8KW 905 683-001	9.HM4940	PLUG	PACK OF 15
8KW 905 684-001	9.HM4941	SOCKET	PACK OF 15
8JA 959 736-811	4960-P	PLUG WITH TERMINALS	PACK OF 1

3-Pole DT Type Connector Housings



3-POLE DT TYPE CONNECTOR HOUSINGS			
8KW 905 683-011	9.HM4942	PLUG	PACK OF 15
8KW 905 684-011	9.HM4943	SOCKET	PACK OF 15

4-Pole DT Type Connector Housings



4-POLE DT TYPE CONNECTOR HOUSINGS			
8KW 905 683-021	9.HM4944	PLUG	PACK OF 10
8KW 905 684-021	9.HM4945	SOCKET	PACK OF 10

6-Pole DT Type Connector Housings



6-POLE DT TYPE CONNECTOR HOUSINGS			
8KW 905 683-031	9.HM4946	PLUG	PACK OF 10
8KW 905 684-031	9.HM4947	SOCKET	PACK OF 10
8JA 959 736-801	4963-P	PLUG WITH TERMINALS	PACK OF 1

8-Pole DT Type Connector Housings



8-POLE DT TYPE CONNECTOR HOUSINGS			
8KW 905 683-041	9.HM4948	PLUG	PACK OF 5
8KW 905 684-041	9.HM4949	SOCKET	PACK OF 5

12-Pole DT Type Connector Housings



12-POLE DT TYPE CONNECTOR HOUSINGS			
8KW 905 683-051	9.HM4950	PLUG	PACK OF 5
8KW 905 684-051	9.HM4951	SOCKET	PACK OF 5

DT Type Connector Terminals and Sealing Plugs

Terminals suit AWG14 / 2.0mm² cable conductor sizes.



DT TYPE CONNECTOR TERMINALS AND BLIND PLUGS			
8KW 905 026-001	9.HM4955	FOR PLUG	PACK OF 100
8KW 905 025-001	9.HM4954	FOR SOCKET	PACK OF 100
8JA 905 048-001	9.HM4956	FOR ALL	PACK OF 50

Insulated Double Crimp
Terminals/Connectors

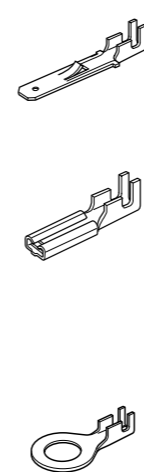


FEMALE BLADE TERMINALS				
Part Numbers	Type	Quantity Per Pack	Size	Cable
8200 8KW 905 461-001	BLISTER PACK	18	6.3mm	2.5 to 3mm cable 0.75 to 1.13mm ² cable
8500 8KW 905 496-001	BULK PACK	100		
8201 8KW 905 461-011	BLISTER PACK	14	6.3mm	4mm cable. 1.84mm ² cable
8501 8KW 905 496-011	BULK PACK	100		
8202 8KW 905 461-021	BLISTER PACK	12	6.3mm	5 to 6mm cable 2.9 to 4.59mm ² cable
8502 8KW 905 496-021	BULK PACK	50		
8203 8KW 905 461-031	BLISTER PACK	10	9.5mm	
8503 8KW 905 496-031	BULK PACK	50		
FULLY INSULATED FEMALE BLADE TERMINALS				
8204 8KW 905 461-041	BLISTER PACK	10	6.3mm	2.5 to 3mm cable 0.75 to 1.13mm ² cable
8504 8KW 905 496-041	BULK PACK	100		
8205 8KW 905 461-051	BLISTER PACK	10	6.3mm	4mm cable. 1.84mm ² cable
8505 8KW 905 496-051	BULK PACK	100		
2-WAY MALE AND FEMALE BLADE TERMINALS				
8210 8KW 905 466-001	BLISTER PACK	10	6.3mm	2.5 to 3mm cable 0.75 to 1.13mm ² cable
8510 8KW 905 498-041	BULK PACK	100		
8211 8KW 905 466-011	BLISTER PACK	10	6.3mm	4mm cable. 1.84mm ² cable
8511 8KW 905 498-051	BULK PACK	100		
8212 8KW 905 466-031	BLISTER PACK	19	6.3mm	
8512 8KW 905 498-061	BULK PACK	100		
MALE BLADE TERMINALS				
8213 8KW 905 467-001	BLISTER PACK	14	6.3mm	2.5 to 3mm cable 0.75 to 1.13mm ² cable
8513 8KW 905 499-001	BULK PACK	100		
8214 8KW 905 467-011	BLISTER PACK	14	6.3mm	4mm cable. 1.84mm ² cable
8514 8KW 905 499-011	BULK PACK	100		
8215 8KW 905 467-021	BLISTER PACK	11	6.3mm	5 to 6mm cable 2.9 to 4.59mm ² cable
8515 8KW 905 499-021	BULK PACK	100		

Insulated Double Crimp
Terminals/Connectors



Non-Insulated Crimp Terminals



PUSH-ON FEMALE TERMINALS				
Part Numbers	Type	Quantity Per Pack	Size	Cable
8220 8KW 905 470-001	BLISTER PACK	14	6.3mm	2.5 to 3mm cable 0.75 to 1.13mm ² cable
8520 8KW 905 501-001	BULK PACK	100		
8221 8KW 905 470-011	BLISTER PACK	14	6.3mm	4mm cable. 1.84mm ² cable
8521 8KW 905 503-001	BULK PACK	100		
FEMALE BULLET CONNECTORS				
8222 8KW 905 470-021	BLISTER PACK	12	6.3mm	2.5 to 3mm cable 0.75 to 1.13mm ² cable
8522 8KW 905 503-011	BULK PACK	100		
8223 8KW 905 470-031	BLISTER PACK	11	6.3mm	4mm cable. 1.84mm ² cable
8523 8KW 905 503-021	BULK PACK	100		
DOUBLE MALE BLADE CONNECTORS				
8216 8KW 905 468-001	BLISTER PACK	9	6.3mm	N/A
8516 8KW 905 499-031	BULK PACK	50	6.3mm	N/A
MALE BLADE TERMINALS				
Part Numbers	Type	Quantity Per Pack	Size	Cable
8570 8KW 905 512-001	BULK PACK	100	2.8mm	2.5 to 3mm cable 0.75 to 1.13mm ² cable
8571 8KW 905 512-011	BULK PACK	100	6.3mm	4mm/1.84mm ²
FEMALE BLADE TERMINALS				
8572 8KW 905 512-021	BULK PACK	100	2.8mm	2.5 to 3mm cable 0.75 to 1.13mm ² cable
8573 8KW 905 512-031	BULK PACK	100	6.3mm	4mm/1.84mm ²
EYE TERMINALS				
8574 8KW 905 512-041	BULK PACK	100	4.3mm	2.5 to 3mm cable 0.75 to 1.13mm ² cable
8576 8KW 905 513-011	BULK PACK	100	6.3mm	2.5 to 4mm cable. 0.75 to 1.84mm ² cable
8577 8KW 905 513-021	BULK PACK	100	8.4mm	2.5 to 4mm cable. 0.75 to 1.84mm ² cable

CABLE CONNECTORS				
Part Numbers	Type	Quantity Per Pack	Size	Cable
8230 8KW 905 472-001	BLISTER PACK	15		2.5 to 3mm cable 0.75 to 1.13mm ² cable
8530 8KW 905 508-001	BULK PACK	100		
8231 8KW 905 472-021	BLISTER PACK	14		4mm cable. 1.84mm ² cable
8531 8KW 905 508-011	BULK PACK	100		
8232 8KW 905 472-011	BLISTER PACK	8		5 to 6mm cable 2.9 to 4.59mm ² cable
8532 8KW 905 508-021	BULK PACK	100		

QUICK CONNECT CABLE CONNECTORS			
Part Numbers	Type	Quantity Per Pack	Size
8235 8KW 950 034-001	BLISTER PACK	6	
8535 8KW 950 034-002	BULK PACK	25	

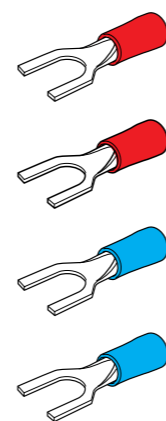
With the use of pliers, connects splices and insulates 0.75 to 1.13mm² (2.5 to 3mm) cable.

EYE TERMINALS				
Part Numbers	Type	Quantity Per Pack	Size	Cable
8236 8KW 905 474-001	BLISTER PACK	25	4.3mm	4mm cable. 1.84mm ² cable
8536 8KW 905 509-001	BULK PACK	100		
8237 8KW 905 475-001	BLISTER PACK	12	9.5mm	4mm cable. 1.84mm ² cable
8537 8KW 905 509-011	BULK PACK	100		
8240 8KW 905 476-001	BLISTER PACK	25	4.3mm	2.5 to 3mm cable 0.75 to 1.13mm ² cable
8540 8KW 905 510-001	BULK PACK	100		
8241 8KW 905 476-061	BLISTER PACK	25	5mm	
8541 8KW 905 510-011	BULK PACK	100		
8242 8KW 905 476-011	BLISTER PACK	16	6.3mm	
8542 8KW 905 510-021	BULK PACK	100		
8243 8KW 905 476-021	BLISTER PACK	25	5mm	4mm cable. 1.84mm ² cable
8543 8KW 905 510-031	BULK PACK	100		
8244 8KW 905 476-031	BLISTER PACK	20	6.3mm	
8544 8KW 905 510-041	BULK PACK	100		
8245 8KW 905 476-041	BLISTER PACK	14	8.4mm	
8545 8KW 905 510-051	BULK PACK	100		



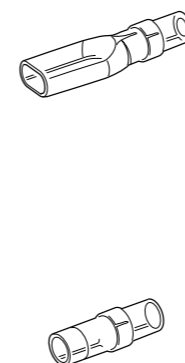
EYE TERMINALS				
Part Numbers	Type	Quantity Per Pack	Size	Cable
8246 8KW 905 476-051	BLISTER PACK	12	6.3mm	5 to 6mm cable 2.9 to 4.59mm ² cable
8546 8KW 905 510-061	BULK PACK	50		
8247 8KW 905 476-101	BLISTER PACK	12	8.4mm	
8547 8KW 905 510-071	BULK PACK	50		
8248 8KW 905 476-071	BLISTER PACK	10	9.5mm	
8548 8KW 905 510-081	BULK PACK	50		
8249 8KW 905 476-081	BLISTER PACK	17	5mm	
8549 8KW 905 511-001	BULK PACK	50		

Insulated Crimp Terminals/Connectors



SPADE TERMINALS				
Part Numbers	Type	Quantity Per Pack	Size	Cable
8260 8KW 905 476-091	BLISTER PACK	21	4.3mm	2.5 to 3mm cable 0.75 to 1.13mm ² cable
8560 8KW 905 511-011	BULK PACK	100		
8261 8KW 905 477-001	BLISTER PACK	21	5.0mm	2.5 to 3mm cable 0.75 to 1.13mm ² cable
8561 8KW 905 511-021	BULK PACK	100		
8262 8KW 905 477-011	BLISTER PACK	20	4.3mm	4mm cable. 1.84mm ² cable
8562 8KW 905 511-031	BULK PACK	100		
8263 8KW 905 477-021	BLISTER PACK	21	5.0mm	4mm cable. 1.84mm ² cable
8563 8KW 905 511-041	BULK PACK	100		

PVC Terminal Insulators



FEMALE TERMINAL INSULATORS				
Part Numbers	Type	Quantity Per Pack	Size	Suits
8578 8KX 905 513-031	BULK PACK	100	2.8mm	Part No. 8572
8579 8KX 905 515-001	BULK PACK	50	6.3mm	Part No. 8573

MALE/FEMALE TERMINAL INSULATORS				
Part Numbers	Type	Quantity Per Pack	Size	Cable
8580 8KX 905 516-001	BULK PACK	100	6.3mm	Male bade and push-on Female (may be used to enclose crimp section of all types)

Handy Box® Service Kits

The Handy Box® Service Kit Complete Set contains all four Handy Box® Kits – Heat Shrink Kit, DT Connector Kit, Blade Fuse Kit and Crimp Terminal Kit. All parts in the kits are available as spares.



9XX 910 121-101	HM8291	HANDY BOX® SERVICE KIT COMPLETE SET
9XX 863 801-001	HM8296	HANDY BOX® CARRY CASE (EMPTY)

Handy Box® Heat Shrink Kit

The Handy Box® Heat Shrink Kit contains 576 Heat Shrink tubes of various diameters and length. All parts in the kit are available as spares.



9MJ 178 458-801	HM8293	HANDY BOX® HEAT SHRINK KIT	
Replacement Parts	9.HM4810	Heat Shrink Tubing	3 Colours 1,2...5 9MJ
	9.HM4811	Heat Shrink Tubing	BK/TR 1,2...50 9MJ
	9.HM4812	Heat Shrink Tubing	3-COLOUR 1,6...50 9MJ
	9.HM4813	Heat Shrink Tubing	BK/TR 1,6...50 9MJ
	9.HM4814	Heat Shrink Tubing	3-COLOUR 2,4...50 9MJ
	9.HM4815	Heat Shrink Tubing	BK/TR 2,4...50 9MJ
	9.HM4816	Heat Shrink Tubing	3-COLOUR 3,2...50 9MJ
	9.HM4817	Heat Shrink Tubing	BK/TR 3,2...50 9MJ
	9.HM4818	Heat Shrink Tubing	5-COLOUR 4,8-100 9MJ
	9.HM4819	Heat Shrink Tubing	5-COLOUR 6,2-100 9MJ
	9.HM4820	Heat Shrink Tubing	BK/TR 9,5-100 9MJ
	9.HM4821	Heat Shrink Tubing	5-COLOUR 4,8-200 9MJ
	9.HM4822	Heat Shrink Tubing	BK 9,5/12,7-200 9MJ

Handy Box® DT Connector Kit

The Handy Box® DT Connector Kit contains 258 of the most popular DT Connectors including tools. All parts in the kit are available as spares.



8KW 910 119-101	HM8292	HANDY BOX® DT CONNECTOR KIT	
Replacement Parts	9.HM4940G	2 Pin DT Plug Set	(Pack of 10)
	9.HM4941G	2 Pin DT Receptacle Set	(Pack of 10)
	9.HM4942G	3 Pin DT Plug Set	(Pack of 10)
	9.HM4943G	3 Pin DT Receptacle Set	(Pack of 10)
	9.HM4946G	6 Pin DT Plug Set	(Pack of 8)
	9.HM4947G	6 Pin DT Receptacle Set	(Pack of 8)

Insulated Terminal Assortment

Pack of 16 and 29 popular HELLA connectors/terminals.



8KW 905 485-001	8280	PACK OF 16
8KW 905 486-001	8281	PACK OF 29

Garage/Auto Electrical Assortment Kit - 188 Piece

Assortment containing 12 complete packs of HELLA connectors/terminals specifically designed to meet the requirements of the automotive industry.



8KW 905 487-001	8282	Contents	
		A quantity of 12 complete packs.	
Part Numbers	Description	Quantity	
8200	Female blade terminal	18	
8201	Female blade terminal	14	
8202	Female blade terminal	12	
8203	Female blade terminal	10	
8210	2-way male and female blade terminal	10	
8211	2-way male and female blade terminal	10	
8230	Cable connector	15	
8231	Cable connector	14	
8232	Cable connector	8	
8241	Eye terminal	25	
8244	Eye terminal	20	
8247	Eye terminal	12	

Insulated Terminal and Connector Kit - 1025 Piece

This Professional Assortment containing 1025 HELLA Connectors/Terminals and a Ratchet Crimping Tool Part No. 8273, is designed to meet the requirements of the automotive industry. Includes a quantity of 20 complete packs.



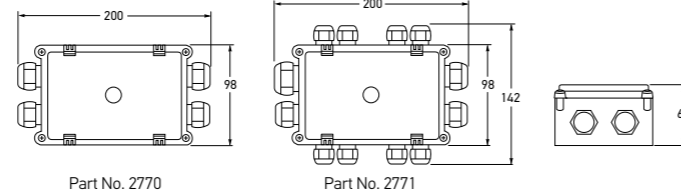
8KW 905 489-001	8284	Contents	
		20 types of HELLA connectors/terminals.	
Part Numbers	Description	Quantity	
8200	Female blade terminal	100	
8201	Female blade terminal	100	
8202	Female blade terminal	50	
8204	Fully Insulated female blade terminal	50	
8205	Female blade terminal	50	
8213	Male blade terminal	50	
8214	Male blade terminal	50	
8220	Male bullet connector	50	
8221	Male bullet connector	50	
8222	Male bullet connector	50	
8223	Female bullet connector	50	
8230	Female bullet connector	50	
8231	Cable connector	50	
8232	Cable connector	50	
8241	Eye terminal	50	
8243	Eye terminal	50	
8244	Eye terminal	50	
8246	Eye terminal	25	
8247	Eye terminal	25	
8248	Eye terminal	25	

ACCESSORIES

ACCESSORIES

Cable Junction Box

Compact cable Junction Box with the option of 4 or 12 inlet/outlets, and outer cable size from Ø10mm to Ø17mm. Complete with connecting cartridge allowing 14 separate groups of connections (6 x 8-way and 8 x 4-way) all using 6.3mm flat blade connectors. The heavy duty nylon housing will withstand common lubricants found underneath truck and trailers, and is safe to clean with high pressure washing equipment.



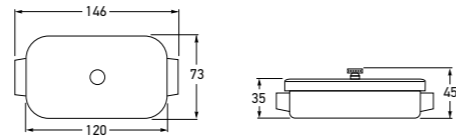
8KV 177 785-011	2770	4 OUTLETS
8KV 177 785-001	2771	12 OUTLETS
Fittings	2770 2771	4 x Ø13mm 1 x Ø17mm + 3 x Ø13mm + 8 x Ø10mm
Protection	IP 69K (Protection against dust and high pressure/steam jet cleaning)	
Plug Cartridge	14 separate connection groups.	



Connecting cartridge

Cable Junction Box

8 screw connections.



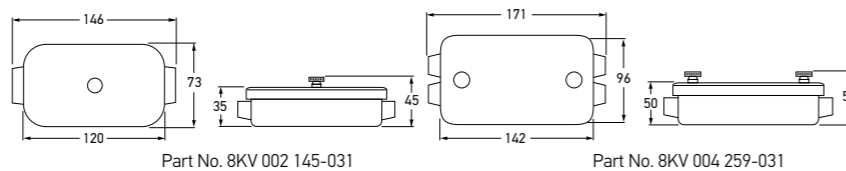
8KV 002 143-031	2757
Cable	Suitable for medium cable up to 6mm ² cross-sectional area.

Cable Junction Box

8 pole, 8 double flat plug connection.



8KV 004 259-031



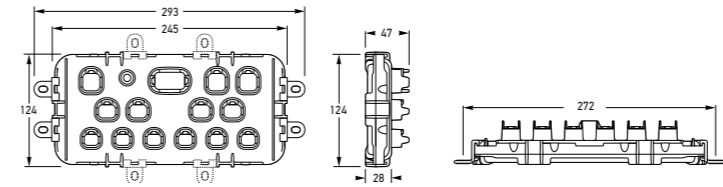
8KV 002 145-031	2758
8KV 004 259-031	2759
To Suit	8KV 002 145-031 Suitable for medium cable up to 6mm ² cross-sectional area. 8KV 004 259-031 Suitable for heavy cable up to 10mm ² cross-sectional area.



8KV 002 145-031

LED Lamp Distribution Box

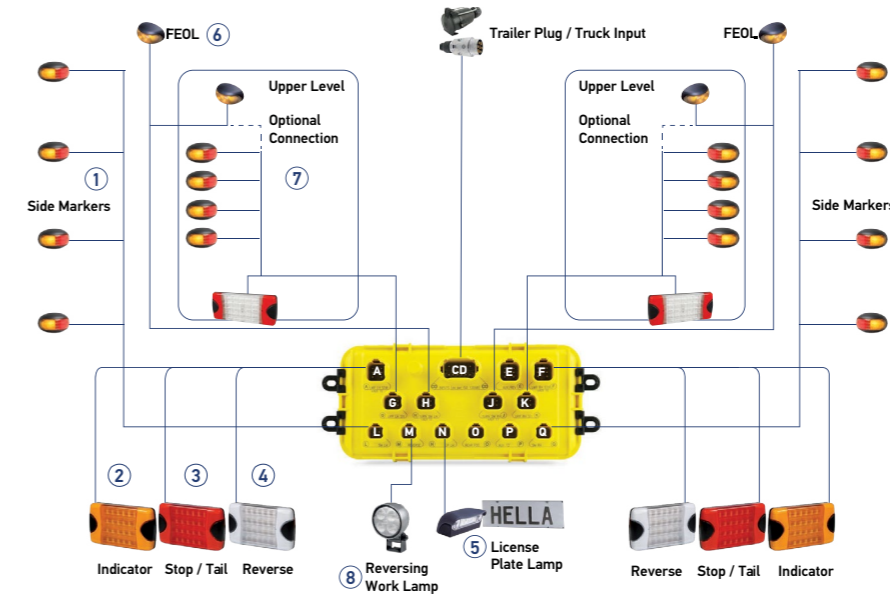
HELLA's revolutionary LED Lamp Distribution Box is the quick connect, easy trouble shooting solution for fitting LED lamps to heavy trailers and custom vehicles. The LED Lamp Distribution Box is designed with integrated DT type connector sockets that provide easy and reliable lamp connection. Internal electronics protect and isolate individual circuits and reduce lamp outage to ensure a long life and reliable lamp operation. A completely sealed housing and durable materials provide protection against water, dust and high pressure/steam jet cleaning.



8JE 233 496-001 – LED Lamp Distribution Box	
Rated Voltage	12/24V DC Powered Vehicles
Operating Temperature	-40° to 50° Celsius
Lamp Connections (DT Type Sockets)	Input: 12-Pole Output: 3x 6-Pole (2x Stop/Tail/Indicator/Reverse, 1x Aux/Reverse) 4x 4-Pole (2x Front Outline, 2x Stop/Tail/Indicator) 6x 2-Pole (2x Side Marker, 1x each of Reverse, License Plate, Rear Fog and Aux.)
Max Power / Current	1.3 A @ 50°C Ambient Temp. (Per output pin) 13A Total for entire unit
Protection	IP 6K7 and IP 6K9K
Overload Protection Type	Internal thermal Contact, self resetting



Example of Wiring layout using LED Lamp Distribution Box



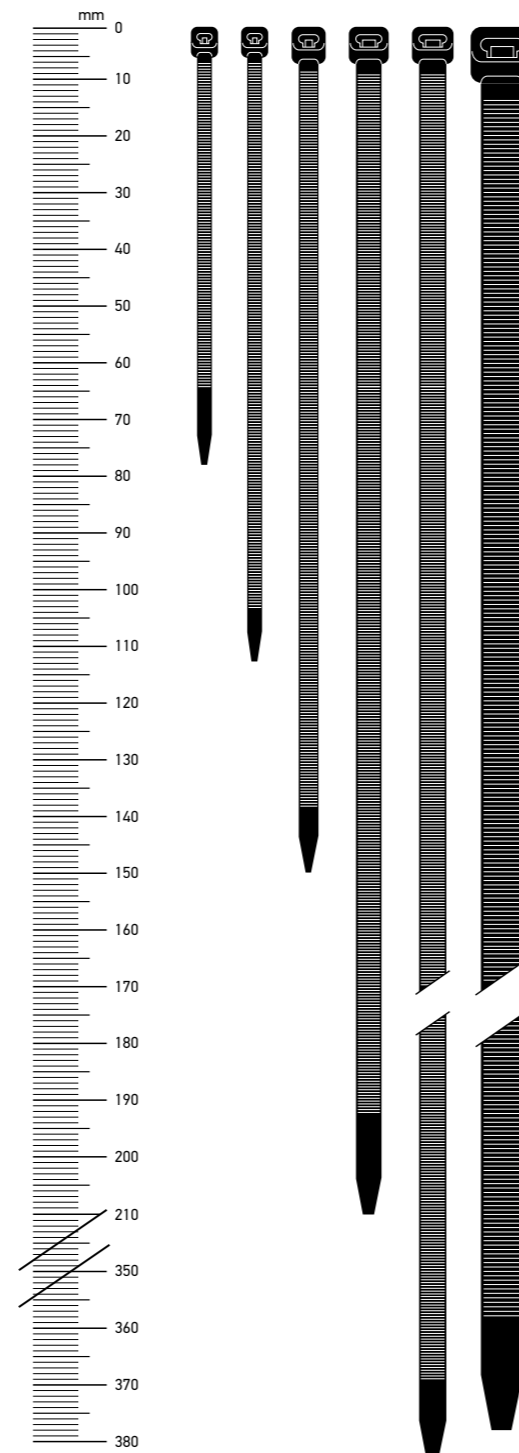
LED Lamp Distribution box, connectors populated

Nylon Cable Ties

100 percent 6/6 nylon cable ties. Very flexible locking latch. Bell-mouthed head allows easier threading than previous ties. Strongest possible locking power without damaging the serrations of the tie. Quick fastening and simple locking mechanism. Black ties are UV resistant.

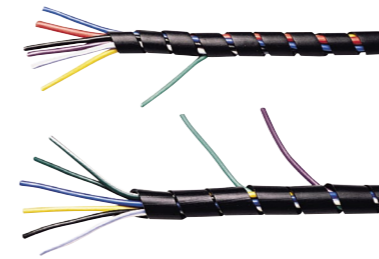
WHITE CABLE TIES		
Quantity 100 Per Pack	Length	Width
8341 8HL 905 491-101	78mm	2.5mm
8342 8HL 905 491-121	103mm	2.5mm
8343 8HL 905 491-141	143mm	3.2mm
8344 8HL 905 491-161	191mm	4.5mm
8345 8HL 905 491-181	368mm	4.8mm
8346 8HL 905 491-202	378mm	7.6mm

BLACK UV RESISTANT CABLE TIES			
Quantity 10 Per Pack	Quantity 100 Per Pack	Length	Width
-	8341UV 8HL 905 491-111	78mm	2.5mm
-	8342UV 8HL 905 491-131	103mm	2.5mm
8333UV 8HL 905 491-031	8343UV 8HL 905 491-151	143mm	3.2mm
8334UV 8HL 905 491-051	8344UV 8HL 905 491-171	191mm	4.5mm
8335UV 8HL 905 491-071	8345UV 8HL 905 491-191	368mm	4.8mm
8336UV 8HL 905 491-091	8346UV 8HL 905 491-211	378mm	7.6mm



Cable Wraps

Manufactured from moisture-resistant black polyethylene. Stable to a temperature of 100°C.



CONVOLUTED SPLIT TUBING				
Part Number	Internal Diameter	Contents	Length	Wrapping Range
8347 8JR 950 888-001	6mm	1	10m	6 to 18mm
8348 8JR 950 888-011	12mm	1		12 to 35mm

Manufactured from black polypropylene. Temperature Range: -20°C to +60°C.



CONVOLUTED SPLIT TUBING			
Part Number	Internal Diameter	Contents	Length
8351 8JR 910 196-071	7mm	1	10 metres
8356 8JR 910 196-081			30 metres
8349 8JR 910 196-001	10mm	1	10 metres
8357 8JR 910 196-011			30 metres
8350 8JR 910 196-021	13mm	1	10 metres
8358 8JR 910 196-031			30 metres
8352 8JR 910 196-041	16mm	1	10 metres
8353 8JR 910 196-051	20mm	1	10 metres
8355 8JR 910 196-061	25mm	1	3 metres

Heat Shrink Tubing Assortment

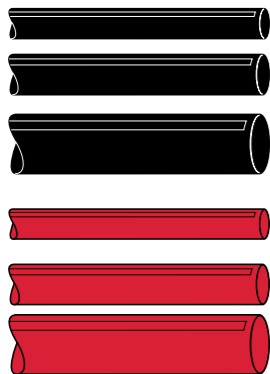
Assortment of 12 x 200mm lengths of Heat Shrink Tubing ranging from 3.2mm to 6.4mm diameter.



9MJ 905 495-161							
Content	Diameter	Colour					
2 x 3.2mm	2 x 4.8mm	2 x 6.4mm	■ BLACK				
				2 x 3.2mm	2 x 4.8mm	2 x 6.4mm	■ RED
2 x 3.2mm	2 x 4.8mm	2 x 6.4mm					
				2 x 3.2mm	2 x 4.8mm	2 x 6.4mm	

Heat Shrink Tubing Assortment

Assortment of 12 x 200mm lengths of Heat Shrink Tubing ranging from 9.5mm to 19mm diameter.











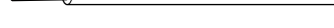
9MJ 905 495-171							
Content	Diameter	Colour					
2 x 9.5mm	2 x 12.7mm	2 x 19.0mm	■ BLACK				
				2 x 9.5mm	2 x 12.7mm	2 x 19.0mm	■ RED
2 x 9.5mm	2 x 12.7mm	2 x 19.0mm					
				2 x 9.5mm	2 x 12.7mm	2 x 19.0mm	

Heat Shrink Tubing Assortment




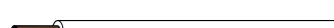


HEAT SHRINK TUBING - ASSORTMENT					
Part Number	Type	Pre - Shrunk Diameter	Shrunk Diameter	Length	Colour
9MJ 910 188-081	BLISTER PACK	2.4mm	1.2mm	1.2m	■
8361					■
9MJ 910 188-091	BLISTER PACK	3.2mm	1.6mm	1.2m	■
8371					■
9MJ 910 188-101	BLISTER PACK	4.8mm	2.4mm	1.2m	■
8362					■
9MJ 910 188-111	BLISTER PACK	6.4mm	3.2mm	1.2m	■
8372					■
9MJ 910 188-121	BLISTER PACK	9.5mm	4.8mm	1.2m	■
8363					■
9MJ 910 188-151	BLISTER PACK	12.7mm	6.4mm	1.2m	■
8373					■
9MJ 910 188-141	BLISTER PACK	19 mm	9.5mm	1.2m	■
8364					■
9MJ 910 188-151	BLISTER PACK	25.4mm	12.7mm	1.2m	■
8374					■
9MJ 910 188-001	BLISTER PACK	2.4mm	1.2mm	1.2m	■
8365					■
9MJ 910 188-011	BLISTER PACK	3.2mm	1.6mm	1.2m	■
8375					■
9MJ 910 188-021	BLISTER PACK	4.8mm	2.4mm	1.2m	■
8366					■
9MJ 910 188-031	BLISTER PACK	6.4mm	3.2mm	1.2m	■
8376					■
9MJ 910 188-041	BLISTER PACK	9.5mm	4.8mm	1.2m	■
8367					■
9MJ 910 188-051	BLISTER PACK	12.7mm	6.4mm	1.2m	■
8377					■
9MJ 910 188-061	BLISTER PACK	19 mm	9.5mm	1.2m	■
8368					■
9MJ 910 188-071	BLISTER PACK	25.4mm	12.7mm	1.2m	■
8378					■



Single Core Automotive Cable
- 3mm

	8KL 905 541-001	8800	■ BLACK
	8KL 905 541-011	8801	■ RED
	8KL 905 541-021	8802	■ GREEN
	8KL 905 541-031	8803	■ YELLOW
	8KL 905 541-041	8804	■ BLUE
	8KL 905 541-051	8805	■ ORANGE
	8KL 905 541-061	8806	■ VIOLET
	8KL 905 541-071	8807	■ WHITE
	8KL 905 541-081	8808	■ BROWN
Cable Diameter		3mm	
Strand No./Dia.		14/0.32mm	
Conductor Cross Section Area		1.13mm ²	
Length		30m	



Single Core Automotive Cable
- 4mm

	8KL 905 541-091	8810	■ BLACK
	8KL 905 541-101	8811	■ RED
	8KL 905 541-121	8813	■ YELLOW
	8KL 905 541-161	8817	■ WHITE
Cable Diameter		4mm	
Strand No./Dia.		23/0.32mm	
Conductor Cross Section Area		1.84mm ²	
Length		30m	



Single Core Automotive Cable
- 5mm

	8KL 905 541-181	8820	■ BLACK
	8KL 905 541-191	8821	■ RED
Cable Diameter		5mm	
Strand No./Dia.		36/0.32mm	
Conductor Cross Section Area		2.90mm ²	
Length		30m	

Single Core Automotive Cable
- 6mm

	8KL 905 541-221	8825	■ BLACK
	8KL 905 541-231	8826	■ RED
Cable Diameter		6mm	
Strand No./Dia.		57/0.32mm	
Conductor Cross Section Area		4.59mm ²	
Length		30m	

Single Core Automotive Cable
- Double Insulated

	8KL 905 547-001	8850	4MM CABLE
	8KL 905 547-011	8851	6MM CABLE
Strand No./Dia.		8850 - 23/0.32mm	8851 - 57/0.32mm
Conductor Cross Section Area		8850 - 1.84mm ²	8851 - 4.59mm ²
Length		30m	

2 Core Figure 8 Cable



	8KL 905 544-001 8840	8KL 905 544-011 8845
Cable Diameter	3mm	4mm
Strand No./Dia.	2 x 14/0.32mm	2 x 23/0.32mm
Conductor Cross Section Area	1.13mm ²	1.84mm ²
Length	30m	30m

2 Core Sheathed Cable



	8KL 905 546-001 8846	8KL 905 546-011 8847	8KL 905 546-021 8848	8KL 905 546-031 8849
Cable Diameter	3mm	4mm	5mm	6mm
Strand No./Dia.	2 x 14/0.32mm	2 x 23/0.32mm	2 x 36/0.32mm	2 x 57/0.32mm
Conductor Cross Section Area	1.13mm ²	1.84mm ²	2.90mm ²	4.59mm ²
Length	30m			

5 Core Cable



8KL 905 542-001	8832
Cable Diameter	2.5mm
Strand No./Dia.	5 x 8/0.32mm
Conductor Cross Section Area	0.64mm ²
Length	30m

7 Core Cable



8KL 905 542-011	8833
Cable Diameter	2.5mm
Strand No./Dia.	7 x 8/0.32mm
Conductor Cross Section Area	0.64mm ²
Length	30m



8PE 905 479-001	8273	Insulated Terminals
Adjustable ratchet mechanism and spring release ensures a perfect crimp every time for insulated terminals.		



8PE 905 479-021	8274	Non-Insulated Terminals
Adjustable ratchet mechanism and spring release ensures a perfect crimp every time for open barrel non-insulated terminals.		



8PE 980 837-001	HM8275	DT Terminals
Specially designed crimping tool with multiple jaws for an even crimp of DT terminals. See page 408 for DT connectors.		



8PE 910 118-011	HM8277	DT Contacts
DT Contact Crimping Tool – 0.5 - 1.0mm		



8KW 905 488-001	8283	Handyman Crimp Kit
Especially designed for the handyman and hobbyist, this kit contains a useful crimping tool that cuts cable, strips cable insulation and crimps all popular insulated terminals. Comes complete with an assortment of 29 popular HELLA connectors and terminals.		

Self-Amalgamating Loom Tape

Polyethylene self-amalgamating loom tape ideal for waterproof sealing of electrical connections, temporary repair and sealing of plumbing joints. Also suitable for emergency repair of radiators, engine hoses and auto electrics. Easy to unwind and resistant to water, ozone, UV and a wide range of chemicals including alkalis, hydraulic fluids and vegetable oils.



9MJ 910 147-001	HMAT85	(Pack of 4)
Voltage	34kV/mm	
Elongation	600%	
Temperature Range	-35°C to 130°C	
Size	Tape Thickness 0.5mm – tensile strength at break 12N/cm.	

High Temperature Electrical Insulation Tape

High temperature resistant PVC electrical tape suitable for use in environments including engine bays. Flame retardant and used in OE wiring loom production.



9MJ 905 490-001	8320	20m	■ GREY
9MJ 905 490-011	8321	20m	■ ORANGE
Temperature range	-40°C to 120°C		
Insulation Resistance	107 megohms		
Tensile Strength	49N		
Size	Tape Width - 19mm, Thickness 0.13mm		

Electrical Insulation Tape

PVC electrical tape suitable for use in general environments such as automotive cabins. As used in OE level wiring looms from a variety of vehicle manufacturers.



9MJ 905 490-021	8322	20m	■ BLACK
9MJ 905 490-031	8323	20m	■ RED
Temperature range	-40°C to 80°C		
Insulation Resistance	107 megohms		
Tensile Strength	43N		
Size	Tape Width - 19mm, Thickness 0.13mm		



Contents

HELLA Workshop

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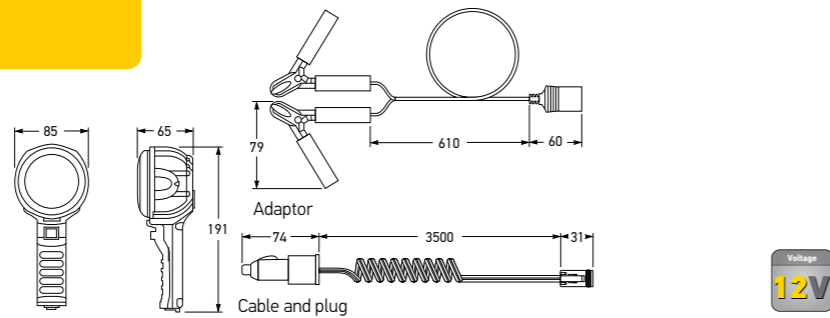
HELLA Workshop

High quality inspection lamps and testing equipment designed to meet the needs of discerning do-it-yourself and professional technicians.

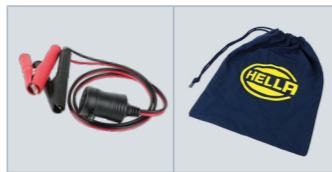


LED Hand Held Spot Lamps

The new LED hand held spot lamp only uses 1/3 of the power consumption of the 1520. It has a compact size and light weight, and is comfortable to hold even for long periods. The LED spot lamp comes with a spiral plug-in cable (which can stretch up to 3.5m) and a DT connector, which allows a custom cable to be fitted to suit your own requirements.



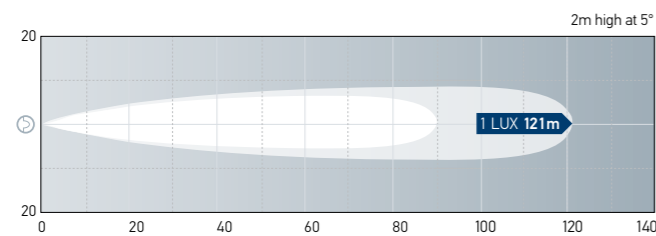
1520LED	2XM 958 372-001	LONG RANGE
1521LED	2XM 958 373-001	MEDIUM RANGE
Voltage	10-16V DC	
Power Consumption	35W	
Light Output	1350 lumen	
Compliance		



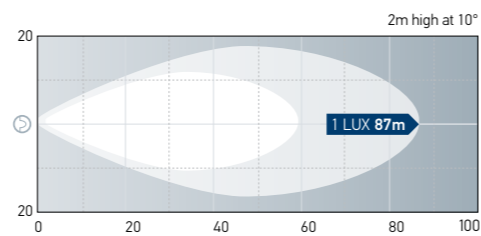
Battery clips to power socket adaptor (Supplied)
HELLA Bag (Supplied)



Long Range



Medium Range



Timing Light

Timing Light with stroboscope for precise timing adjustment of all petrol engines. Features corrosion and impact resistant housing and inductive clamp.

7023	8PD 004 835-001	12 VOLT
Spare Parts	9.7023.01 (8PD 950 881-021) 9.7022.02 (8PD 950 881-021)	Xenon Flash Tube ① Inductive Clamp ②



Tyre Pressure Gauge – Chrome

Tough all-metal chrome-plated housing, with pressure-release valve. Easy-to-read scale in bars and psi. Supplied with sturdy protective case.



7039	8PD 006 535-001
Test Range	0-4 bars (0-56psi)



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Automotive Globes

HELLA's automotive globes are renowned for their uncompromising adherence to the highest quality and safety standards.



QUICK REFERENCE GLOBE GUIDE

HALOGEN HEADLAMP GLOBES



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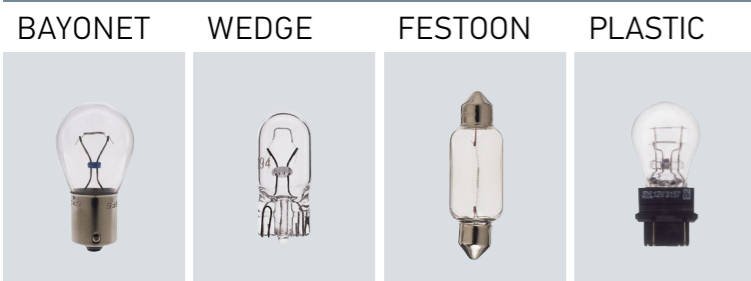
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XENON GAS DISCHARGE GLOBES



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CONVENTIONAL SIGNAL AND MARKER GLOBES



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QUICK REFERENCE UPGRADE GLOBE GUIDE



XENON WHITE ULTRA-BLUE – WHITER (UP TO 4200°K)

These globes come close to emulating the colour of a Xenon HID lamp. The high colour temperature of the Cool Blue globes creates the crisp white light which provides illumination that is conspicuous while being easy on the eye

UPGRADE GLOBES

Globe	Category	Part Number	ADR COMPLIANT	Voltage	Power Consumption	Base	Pack Qty		Page
	H1	H1-XWUBLUEDP2		12V	55W	P14.5s	Twin		398
	H3	H3-XWUBLUEDP2		12V	55W	PK22s	Twin		400
	H4	H4-XWUBLUEDP2		12V	60/55W	P43t	Twin		401
	HB3	HB3-XWUBLUEDP2		12V	60W	P20d	Twin		402
	HB4	HB4-XWUBLUEDP2		12V	51W	P22d	Twin		403
	H7	H7-XWUBLUEDP2		12V	55W	PX26d	Twin		404
	H9	H9-XWUBLUEDP2		12V	55W	PX26d	Twin		405
	H11	H11-XWUBLUEDP2		12V	55W	PX26d	Twin		405
	T4W	HLB124BL2		12V	4W	BA9s	Twin		408
	W5W	WBQ125BL2		12V	5W	W2.1x9.5d	Twin		416

PLUS100 LONGLIFE - UP TO 2.5 TIMES THE LIFETIME AND 100% GREATER ILLUMINATION.



A new generation of high performance Halogen Globes specifically designed to cope with the extreme demands of 24-volt heavy-duty commercial transport applications. The advanced single-coil filament technology is highly vibration resistant and up to 100% brighter than normal, typically extending useful illumination of the road by 20 metres and delivering double the service life of standard globes.

UPGRADE GLOBES

Globe	Category	Part Number	ADR COMPLIANT	Voltage	Power Consumption	Base	*Rated Life T _c (Hrs)		Page
	H1	8GH 002 089-491 previously C2470LTS		24V	70W	P14.5s	LONGLIFE 1200 STANDARD 650		398
	H3	YC2470LTS		24V	70W	PK22s	LONGLIFE 1200 STANDARD 650		400
	H4	XD2475/70LTS		24V	75/70W	P43t	LONGLIFE 1400 STANDARD 700		401
	H7	8GH 007 157-231 previously CA2470LTS		24V	70W	PX26d	LONGLIFE 1000 STANDARD 550		404



LOONGLIFE (LL) - UP TO TWICE THE LIFE

LongLife (LL) globes are increasing in popularity for applications such as taxis and drivers using headlamps during the day. Many new vehicles now come equipped with LongLife globes as a standard fitment. The globes will provide safe and legal light performance and can be rated at twice or greater the service life of standard globes.

UPGRADE GLOBES									
Globe	Category	Part Number		Voltage	Power Consumption	Base	*Rated Life T _c (Hrs)		Page
12V LOONGLIFE GLOBES									
	H1	8GH 002 089-351 previously C1255LL		12V	55W	P14.5s	LOONGLIFE 1250	STANDARD 400	398
	H1	H1-LLDP2		12V	55W	P14.5s	LOONGLIFE 1250	STANDARD 400	398
	H3	YC1255LL		12V	55W	PK22s	LOONGLIFE 1500	STANDARD 450	400
	H3	H3-LLDP2		12V	55W	PK22s	LOONGLIFE 1500	STANDARD 450	400
	H4	XD1260/55LL		12V	60/55W	P43t	LOONGLIFE 1500	STANDARD 700	401
	H4	H4-LLDP2		12V	60/55W	P43t	LOONGLIFE 1500	STANDARD 700	401
	HB3	HB3-LLDP2		12V	60W	P20d	LOONGLIFE 1500	STANDARD 700	402
	HB4	HB4-LLDP2		12V	51W	P22d	LOONGLIFE 1500	STANDARD 700	403
	HB5	CC1265/55LL		12V	65/55W	PX29t	LOONGLIFE 1500	STANDARD 700	403
	H7	8GH 007 157-201 previously CA1255LL		12V	55W	PX26d	LOONGLIFE 930	STANDARD 550	404
	H7	H7-LLDP2		12V	55W	PX26d	LOONGLIFE 930	STANDARD 550	404
	H9	H9-LLDP2		12V	65W	PGJ19-5	LOONGLIFE 650	STANDARD 500	405
	H11	H11-LLDP2		12V	55W	PGJ19-2	LOONGLIFE 1800	STANDARD 580	405
	R5W	G125LL		12V	5W	BA15s	LOONGLIFE 1500	STANDARD 300	411
	R10W	G1210LL		12V	10W	BA15s	LOONGLIFE 500	STANDARD 300	411
	PY21W	RY1221LL		12V	21W	BAU15s	LOONGLIFE 2400	STANDARD 450	412
	P21W	R1221LL		12V	21W	BA15s	LOONGLIFE 1000	STANDARD 320	412
	P21/5W	S1221/5VLL		12V	21/5W	BAY15d	LOONGLIFE *800	STANDARD *320	413
	W5W	W125LL		12V	5W	W2.1x9.5d	LOONGLIFE 2000	STANDARD 700	416
24V LOONGLIFE GLOBES									
	H1	H1-LL-24VDP2		24V	70W	P14.5s	LOONGLIFE 1250	STANDARD 400	398
	H3	H3-LL-24VDP2		24V	70W	PK22s	LOONGLIFE 1500	STANDARD 450	400
	H4	XD2475/70LL		24V	75/70W	P43t	LOONGLIFE 1500	STANDARD 700	401
	H4	H4-LL-24VDP2		24V	75/70W	P43t	LOONGLIFE 1500	STANDARD 700	401
	H7	H7-LL-24VDP2		24V	70W	PX26d	LOONGLIFE 930	STANDARD 550	404
	T4W	HL244LL		24V	4W	BA9s	LOONGLIFE 1000	STANDARD 350	409
	R5W	G245LL		24V	5W	BA15s	LOONGLIFE 1000	STANDARD 225	411
	R10W	G2410LL		24V	10W	BA15s	LOONGLIFE 1000	STANDARD 225	411
	PY21W	RY2421LL		24V	21W	BAU15s	LOONGLIFE 500	STANDARD N/A	412
	P21W	R2421LL		24V	21W	BA15s	LOONGLIFE 1000	STANDARD 160	412

*Test performed on main filament only.



PLATINUM WHITE-PLUS 100 - UP TO + 100% BRIGHTER

Plus 100 globes are the ideal globes for drivers looking to increase safety with more light on the road. This halogen globe produces up to 100% more light on the road, has a beam that is up to 25 metres longer and provides light that is up to 10% whiter than a standard globe.

UPGRADE GLOBES									
Globe	Category	Part Number		Voltage	Power Consumption	Base	Pack Qty		Page
	H1	H1-PW100DP2		12V	55W	P14.5s	Twin		398
	H3	H3-PW100DP2		12V	55W	PK22s	Twin		400
	H4	H4-PW100DP2		12V	60/55W	P43t	Twin		401
	H7	H7-PW100DP2		12V	55W	PX26d	Twin		404
	H9	H9-PW100DP2		12V	65W	PGJ19-5	Twin		405
	H11	H11-PW100DP2		12V	55W	PGJ19-2	Twin		405
	HB3	HB3-PW100DP2		12V	60W	P20d	Twin		402
	HB4	HB4-PW100DP2		12V	51W	P22d	Twin		403



SUPERVISION-PLUS 50 - UP TO + 50% BRIGHTER

Plus 50 globes take lighting even further by providing up to 50% more illumination on the road than a standard headlamp globe while emitting a 10-20m longer beam.

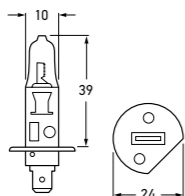
UPGRADE GLOBES									
Globe	Category	Part Number		Voltage	Power Consumption	Base	Pack Qty		Page
	H1	H1-SV50DP2		12V	55W	P14.5s	Twin		398
	H3	H3-SV50DP2		12V	55W	PK22s	Twin		400
	H4	H4-SV50DP2		12V	60/55W	P43t	Twin		401
	H7	H7-SV50DP2		12V	55W	PX26d	Twin		404
	H9	H9-SV50DP2		12V	65W	PGJ19-5	Twin		405
	H11	H11-SV50DP2		12V	55W	PGJ19-2	Twin		405
	HB3	HB3-SV50DP2		12V	60W	P20d	Twin		402
	HB4	HB4-SV50DP2		12V	51W	P22d	Twin		403



H1-SV50DP2



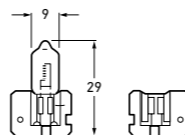
Retail Packaging



HALOGEN GLOBES - H1						
Part Numbers	Voltage	Power Consumption	Base	ADR 51/00 Category	Pack Qty	
H1-SV50DP2 8GH 211 730-391	12V	55W	P14.5s	H1	Twin	
H1-XWUBLUEDP2 8GH 211 730-401	12V	55W	P14.5s	H1	Twin	
H1-PW100DP2 8GH 211 730-421	12V	55W	P14.5s	H1	Twin	
H1-LLDP2 8GH 178 555-381	12V	55W	P14.5s	H1	Twin	
H1-LL-24VDP2 8GH 178 555-414	24V	70W	P14.5s	H1	Twin	

HALOGEN GLOBES - H1						
Part Numbers	Voltage	Power Consumption	Base	ADR 51/00 Category	*Rated Life T _C (Hrs)	
8GH 002 089-491 previously C2470LTS	24V	70W	P14.5s	H1	LOGLIFE 1200	STANDARD 650
8GH 002 089-351 previously C1255LL	12V	55W	P14.5s	H1	LOGLIFE 1250	STANDARD 400

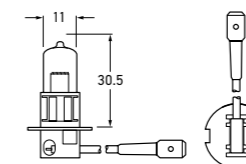
HALOGEN GLOBES - H1						
Part Numbers	Voltage	Power Consumption	Base	ADR 51/00 Category	Pack Qty	
8GH 002 089-153 previously C12100	12V	100W	P14.5s	-	-	
8GH 178 555-641 previously C24100	24V	100W	P14.5s	-	-	
8GH 002 089-131 previously C1255	12V	55W	P14.5s	H1	-	
8GH 002 089-251 previously C2470	24V	70W	P14.5s	H1	-	



HALOGEN GLOBES - H2						
Part Numbers	Voltage	Power Consumption	Base	ADR 51/00 Category	Pack Qty	
CD1255 8GH 002 857-124	12V	55W	X511	H2	-	
CD2470 8GH 002 857-242	24V	70W	X511	H2	-	



CD1255



H3-SV50DP2



Retail Packaging

HALOGEN GLOBES - H3						
Part Numbers	Voltage	Power Consumption	Base	ADR 51/00 Category	Pack Qty	
H3-SV50DP2 8GH 211 730-431	12V	55W	PK22s	H3	Twin	
H3-XWUBLUEDP2 8GH 211 730-441	12V	55W	PK22s	H3	Twin	
H3-PW100DP2 8GH 211 730-461	12V	55W	PK22s	H3	Twin	
H3-LLDP2 8GH 211 730-471	12V	55W	PK22s	H3	Twin	
H3-LL-24VDP2 8GH 178 555-424	24V	70W	PK22s	H3	Twin	

HALOGEN GLOBES - H3						
Part Numbers	Voltage	Power Consumption	Base	ADR 51/00 Category	*Rated Life T _C (Hrs)	
YC1255LL 8GH 002 090-111	12V	55W	PK22s	H3	LOGLIFE 1500	STANDARD 450
YC2470LTS 8GH 002 090-472	24V	70W	PK22s	H3	LOGLIFE 1200	STANDARD 650

HALOGEN GLOBES - H3						
Part Numbers	Voltage	Power Consumption	Base	ADR 51/00 Category	Pack Qty	
8GH 178 555-921 previously YC12100	12V	100W	PK22s	-	-	
8GH 178 555-651 previously YC24100	24V	100W	PK22s	-	-	
8GH 178 555-061 previously YC1255	12V	55W	PK22s	H3	-	
8GH 178 555-241 previously YC2470	24V	70W	PK22s	H3	-	



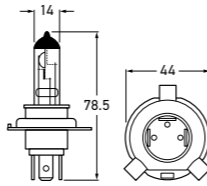
H4-SV50DP2



Retail Packaging



XD1260/55LL



HALOGEN GLOBES - H4						
Part Numbers	Voltage	Power Consumption	Base	ADR 51/00 Category	Pack Qty	
H4-SV50DP2 8GJ 002 525-653	12V	60/55W	P43t	H4	Twin	
H4-XWUBLUEDP2 8GJ 002 525-364	12V	60/55W	P43t	H4	Twin	
H4-PW100DP2 8GJ 211 730-491	12V	60/55W	P43t	H4	Twin	
H4-LLDP2 8GJ 178 555-391	12V	60/55W	P43t	H4	Twin	
H4-LL-24VDP2 8GJ 178 555-434	24V	75/70W	P43t	H4	Twin	

HALOGEN GLOBES - H4						
Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	*Rated Life T _C (Hrs)	
XD2475/70LTS 8GJ 002 525-712	24V	75/70W	P43t	H4	LONG LIFE 1400	STANDARD 700

HALOGEN GLOBES - H4						
Part Numbers	Voltage	Power Consumption	Base	ADR 51/00 Category	*Rated Life T _C (Hrs)	
XD1260/55LL 8GJ 002 525-482	12V	60/55W	P43t	H4	LONG LIFE 1500	STANDARD 700
XD2475/70LL 8GJ 002 525-701	24V	75/70W	P43t	H4	LONG LIFE 1500	STANDARD 700

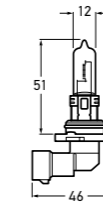
HALOGEN GLOBES - H4						
Part Numbers	Voltage	Power Consumption	Base	ADR 51/00 Category	Pack Qty	
XD12100/55 8GJ 002 525-102	12V	100/55W	P43t	-	-	
8GJH 178 555-901 previously XD12100/90	12V	100/90W	P43t	-	-	
8GJ 178 555-661 previously XD24100/90	24V	100/90W	P43t	-	-	
8GJ 178 555-001 previously XD1260/55	12V	60/55W	P43t	H4	-	
8GJ 178 555-201 previously XD2475/70	24V	75/70W	P43t	H4	-	



HB3-SV50DP2

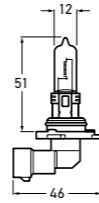


Retail Packaging



HALOGEN GLOBES - HB3						
Part Numbers	Voltage	Power Consumption	Base	ADR 51/00 Category	Pack Qty	
HB3-SV50DP2 8GH 211 730-631	12V	60W	P20d	HB3	Twin	
HB3-XWUBLUEDP2 8GH 211 730-641	12V	60W	P20d	HB3	Twin	
HB3-PW100DP2 8GH 211 730-661	12V	60W	P20d	HB3	Twin	
HB3-LLDP2 8GH 005 635-021	12V	60W	P20d	HB3	Twin	

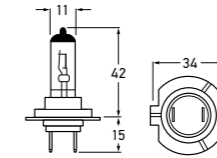
Cool Blue



HALOGEN GLOBES - HB4						
Part Numbers	Voltage	Power Consumption	Base	ADR 51/00 Category	Pack Qty	
HB4-SV50DP2 8GH 211 730-671	12V	51W	P22d	HB4	Twin	
HB4-XWUBLUEDP2 8GH 211 730-681	12V	51W	P22d	HB4	Twin	
HB4-PW100DP2 8GH 211 730-701	12V	51W	P22d	HB4	Twin	
HB4-LLDP2 8GH 211 730-711	12V	51W	P22d	HB4	Twin	
8GH 178 555-091 previously CC1255	12V	51W	P22d	HB4	-	



Retail Packaging

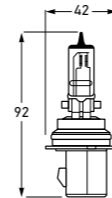


HALOGEN GLOBES - H7						
Part Numbers	Voltage	Power Consumption	Base	ADR 51/00 Category	Pack Qty	
H7-SV50DP2 8GH 178 555-581	12V	55W	PX26d	H7	Twin	
H7-XWUBLUEDP2 8GH 211 730-571	12V	55W	PX26d	H7	Twin	
H7-PW100DP2 8GH 211 730-511	12V	55W	PX26d	H7	Twin	
H7-LLDP2 8GH 211 730-521	12V	55W	PX26d	H7	Twin	
H7-LL-24VDP2 8GH 211 730-531	24V	70W	PX26d	H7	Twin	



Retail Packaging

HALOGEN GLOBES - H7						
Part Numbers	Voltage	Power Consumption	Base	ADR 51/00 Category	*Rated Life T _c (Hrs)	
8GH 007 157-231 previously CA2470LTS	24V	70W	PX26d	H7	LONGLIFE 1000	STANDARD 500
8GH 007 157-201 previously CA1255LL	12V	55W	PX26d	H7	LONGLIFE 930	STANDARD 550



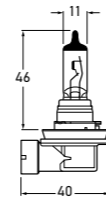
HALOGEN GLOBES - HB5						
Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	*Rated Life T _c (Hrs)	
CC1265/55LL 8GJ 008 824-141	12V	65/55W	PX29t	-	LONGLIFE 1500	STANDARD 700

Note SAE Category HB5

HALOGEN GLOBES - H7					
Part Numbers	Voltage	Power Consumption	Base	ADR 51/00 Category	Pack Qty
8GH 007 157-121 previously CA1255	12V	55W	PX26d	H7	-
8GH 178 555-251 previously CA2470	24V	70W	PX26d	H7	-



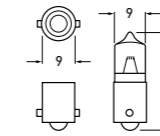
8GH 178 555-151



HALOGEN GLOBES - H8						
Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category		
8GH 178 555-151 previously CE1235	12V	35W	PGJ 19-1	H8		



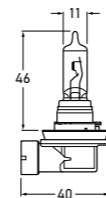
8GH 002 473-151



SPECIAL PURPOSE HALOGEN GLOBES - TRANSVERSE FILAMENT						
Part Numbers	Voltage	Power Consumption	Base	ADR 51/00 Category		
8GH 002 473-151 previously YL125	12V	5W	BA9s	-		



H9-SV50DP2



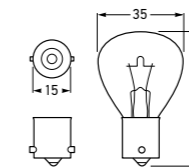
HALOGEN GLOBES - H9						
Part Numbers	Voltage	Power Consumption	Base	ADR 51/00 Category	Pack Qty	
H9-SV50DP2 8GH 211 730-541	12V	65W	PGJ 19-5	H9	Twin	
H9-XWUBLUEDP2 8GH 211 730-551	12V	65W	PGJ 19-5	H9	Twin	
H9-PW100DP2 8GH 211 730-571	12V	65W	PGJ 19-5	H9	Twin	
H9-LLDP2 8GH 211 730-581	12V	65W	PGJ 19-5	H9	Twin	
8GH 178 555-161 previously CF1265	12V	65W	PGJ 19-5	H9	-	



Retail Packaging



8GA 002 074-121



SPECIAL GLOBES FOR EMERGENCY FLASHER AND REVOLVING LAMPS						
Part Numbers	Voltage	Power Consumption	Base	ADR 51/00 Category		
8GA 002 074-121 previously U1245	12V	45W	BA15s	-		
8GA 002 074-241 previously U2445	24V	45W	BA15s	-		



H11-SV50DP2



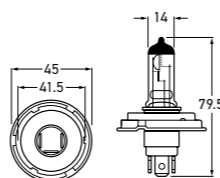
HALOGEN GLOBES - H11						
Part Numbers	Voltage	Power Consumption	Base	ADR 51/00 Category	Pack Qty	
H11-SV50DP2 8GH 211 730-591	12V	55W	PGJ 19-2	H11	Twin	
H11-XWUBLUEDP2 8GH 211 730-601	12V	55W	PGJ 19-2	H11	Twin	
H11-PW100DP2 8GH 211 730-621	12V	55W	PGJ 19-2	H11	Twin	
H11-LLDP2 8GH 178 555-401	12V	55W	PGJ 19-2	H11	Twin	
8GH 178 555-111 previously CG1255	12V	55W	PGJ 19-2	H11	-	
8GH 008 358-251 previously CG2470	24V	70W	PGJ 19-2	H11	-	



Retail Packaging



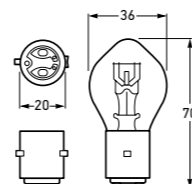
8GJ 178 555-271



HALOGEN HEADLAMP GLOBES					
Part Numbers	Voltage	Power Consumption	Base	ADR 51/00 Category	
8GJ 178 555-271 previously XE2475/70	24V	75/70W	P45t	-	



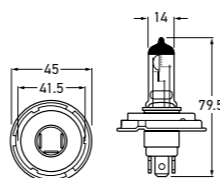
8GD 002 084-131



HEADLAMP GLOBES					
Part Numbers	Voltage	Power Consumption	Base	ADR 51/00 Category	
8GD 002 084-131 previously D1235/35	12V	35/35W	BA20d	S2	



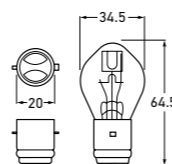
8GD 002 088-271



8GD 002 088-271 previously A2455/50	24V	55/50W	P45t	R2	
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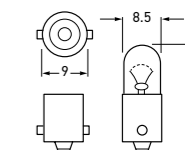
8GD 002 084-151



8GD 002 084-151 previously B1245/40	12V	45/40W	BA20d	-	
Note	Bosch base				



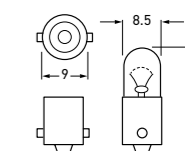
HL244LL



MINIATURE GLOBES					
Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	*Rated Life T _C (Hrs)
HL244LL 8GP 002 067-262	24V	4W	BA9s	T4W	LONG LIFE 1000 STANDARD 350



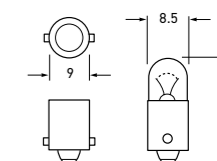
8GP 002 067-061



MINIATURE GLOBES					
Part Numbers	Voltage	Power Consumption	Base	ADR 51/00 Category	
8GP 002 067-061 previously HL64	6V	4W	BA9s	T4W	
HL124 8GP 002 067-152	12V	4W	BA9s	T4W	
8GP 002 067-241 previously HL244	24V	4W	BA9s	T4W	



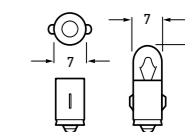
H122



H122 8GP 002 068-122	12V	2W	BA9s	-	
8GP 002 068-131 previously H123	12V	3W	BA9s	-	
8GP 002 068-241 previously H242	24V	2W	BA9s	-	



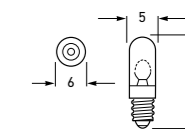
8GP 002 066-121



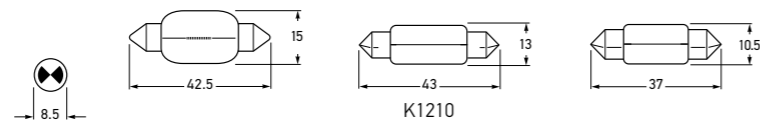
8GP 002 066-121 previously J122	12V	2W	BA7s	-	
8GP 002 066-241 previously J243	24V	3W	BA7s	-	



292



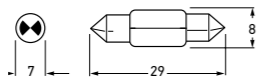
292 8GP 002 095-081	12V	1.5W	E 5.5	-	
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FESTOON GLOBES					
Part Numbers	Voltage	Power Consumption	Base	ADR 51/00 Category	
8GM 002 092-121 previously L125	12V	5W	SV8.5	C5W	
L2410 8GM 002 091-031	24V	10W	SV8.5	-	
8GM 002 092-241 previously L245	24V	5W	SV8.5	C5W	
8GM 002 091-131 previously K1210	12V	10W	SV8.5		
8GM 002 091-251 previously K2410	24V	10W	SV8.5		
8GM 002 091-181 previously K1221	12V	21W	SV8.5	C21W	

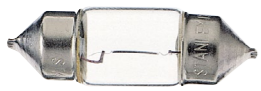


8GM 002 091-131

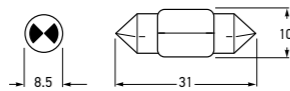


8GM 002 094-121

8GM 002 094-121 previously M123	12V	3W	S7	-	
8GM 002 094-241 previously M243	24V	3W	S7	-	



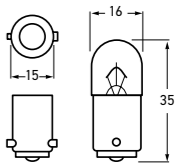
N1210



N1210 8GM 002 091-301	12V	10W	SV8.5	-	
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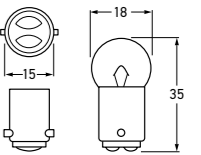
G125LL



REAR POSITION, MARKER AND CLEARANCE GLOBES					
Part Numbers	Voltage	Power Consumption	Base	ADR 51/00 Category	*Rated Life T _C (Hrs)
G125LL 8GA 002 071-352	12V	5W	BA15s	R5W	LONG LIFE 1500 STANDARD 300
G1210LL 8GA 002 071-342	12V	10W	BA15s	R10W	LONG LIFE 500 STANDARD 300
8GA 002 071-261 previously G245LL	24V	5W	BA15s	R5W	LONG LIFE 1000 STANDARD 225
G2410LL 8GA 002 071-272	24V	10W	BA15s	R10W	LONG LIFE 1000 STANDARD 225
8GA 002 071-121 previously G125	12V	5W	BA15s	R5W	
8GA 002 071-131 previously G1210	12V	10W	BA15s	R10W	
8GA 002 071-241 previously G245	24V	5W	BA15s	R5W	
8GA 002 071-251 previously G2410	24V	10W	BA15s	R10W	



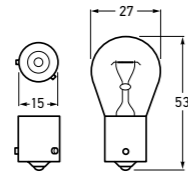
8GA 002 071-371



8GA 002 071-371 previously GD125	12V	5W	BA15d	R5W	
8GA 002 071-361 previously GD245	24V	5W	BA15d	R5W	



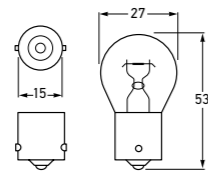
RY1221LL



BAYONET INDICATOR AND STOP LAMP GLOBES							
Part Numbers	Voltage	Power Consumption	Base	ADR 51/00 Category	*Rated Life T _C (Hrs)		
RY1221LL 8GA 006 841-041	12V	21W	BAU15s	PY21W	LONGLIFE 2400	STANDARD 450	
8GA 006 841-121 previously RY1221	24V	21W	BAU15s	PY21W	LONGLIFE 750	STANDARD N/A	
8GA 006 841-251 previously RY2421LL	12V	21W	BAU15s	PY21W			



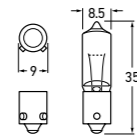
8GA 002 073-271



8GA 002 073-271 previously R1221LL	12V	21W	BA15s	P21W	LONGLIFE 1000	STANDARD 320	
R2421LL 8GA 002 073-252	24V	21W	BA15s	P21W	LONGLIFE 500	STANDARD 160	



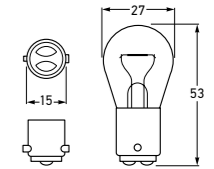
8GH 008 417-001



8GH 008 417-001 previously RQ1221	12V	21W	BAY9s	H21W			
8GH 178 555-261 previously RQ2421	24V	21W	BAY9s	H21W			



8GA 002 073-281



BAYONET INDICATOR AND STOP LAMP GLOBES				
Part Numbers	Voltage	Power Consumption	Base	ADR 51/00 Category
8GA 002 073-281 previously FD1221	12V	21W	BA15d	P21W
FD2421 8GA 002 073-031	24V	21W	BA15d	P21W

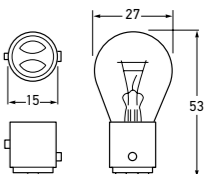


8GA 002 073-121

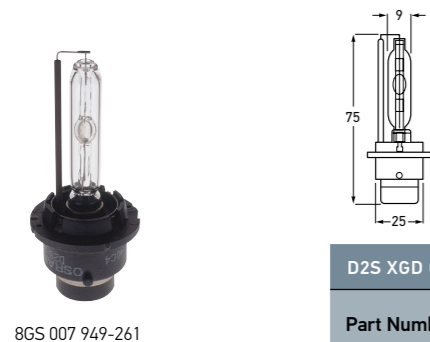
8GA 002 073-121 previously R1221	12V	21W	BA15s	P21W
8GA 002 072-241 previously R2418	24V	18W	BA15s	
8GA 002 073-241 previously R2421	24V	21W	BA15s	P21W



8GD 002 078-121

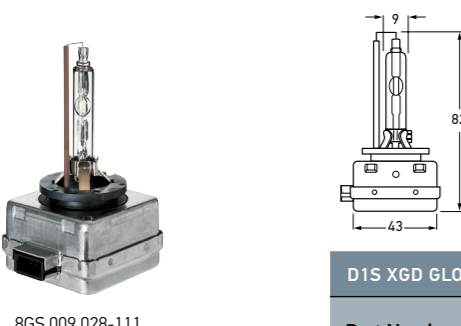


BAYONET STOP AND TAIL LAMP GLOBES							
Part Numbers	Voltage	Power Consumption	Base	ADR 51/00 Category	*Rated Life T _C (Hrs)		
S1221/5VLL 8GD 002 078-172	12V	21/5W	BAY15d	P21/5W	LONGLIFE *800	STANDARD *320	
Note	*Test performed on main filament only.						
8GD 002 078-121 previously S1221/5V	12V	21/5W	BAY15d	P21/5W			
S2418/5V 8GD 002 078-071	24V	18/5W	BAY15d				
8GD 002 078-011 previously S2421/5V	24V	21/5W	BAY15d	P21/5W			



8GS 007 949-261

D2S XGD GLOBES					
Part Number	Voltage	Power Consumption	Base	ADR 78/00 Category	Colour Temperature
8GS 007 949-261 previously XN4000	85V	35W	P32d-2	D2S	4200°K
Note For use only with appropriate electronic control gear.					



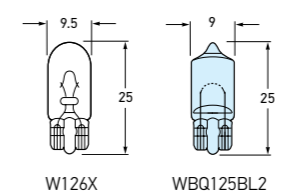
8GS 009 028-111

D1S XGD GLOBE					
Part Number	Voltage	Power Consumption	Base	ADR 78/00 Category	Colour Temperature
8GS 009 028-111 previously XN4001	85V	35W	PK32d-2	D1S	4200°K
Note For use only with appropriate electronic control gear.					



8GS 009 028-311

D3S GLOBE					
Part Number	Voltage	Power Consumption	Base	ADR 78/00 Category	Colour Temperature
8GS 009 028-311	42V	35W	P32d-5	D3S	4200°K
Note For use only with appropriate electronic control gear.					

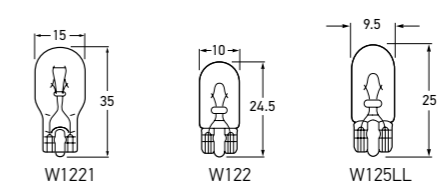


W126X WBQ125BL2

HALOGEN WEDGE BASE GLOBES					
Part Numbers	Voltage	Power Consumption	Base	ADR 51/00 Category	Pack Qty
W126X 8GP 003 594-401	12V	6W	W2.1x9.5d	-	-
High performance miniature globe utilising xenon filling gas to provide 60% brighter light than standard equivalents.					



W126X



W1221 W122 W125LL

WEDGE BASE GLOBES					
Part Numbers	Voltage	Power Consumption	Base	ADR 51/00 Category	*Rated Life T _c (Hrs)
W125LL 8GP 003 594-161	12V	5W	W2.1x9.5d	W5W	LONG LIFE 1500 STANDARD 700
W122 8GP 002 095-071	12V	2 c.p	W2.1x9.5d	-	
8GP 003 594-121 previously W125	12V	5W	W2.1x9.5d	W5W	
8GP 003 594-251 previously W245	24V	5W	W2.1x9.5d	W5W	
8GA 008 246-001 previously W1221	12V	21 c.p	W2.1x9.5d	W16W	
WS1212 8GP 002 095-051	12V	12 c.p	W2.1x9.5d	-	



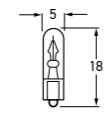
W125LL



W122



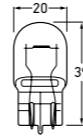
8GA 008 246-001



WS122 8GP 002 095-041	12V	2W	W2x4.6d	-	
WS242 8GP 002 095-011	24V	2W	W2x4.6d	-	
8GP 002 095-121 previously W121.2	12V	1.2W	W2x4.6d	-	
W241.2 8GP 002 095-242	24V	1.2W	W2x4.6d	-	
Note *Special for early model Matrix high level brake lamps.					



8GA 008 892-002



GLASS WEDGE BASE GLOBES					
Part Numbers	Voltage	Power Consumption	Base	ADR 51/00 Category	
8GA 008 892-002 previously WG1221	12V	21W	W3x16d	W21W	

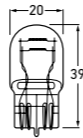


WGY1221

WGY1221 8GP 009 021-123	12V	21W	W3x16d	WY21W	
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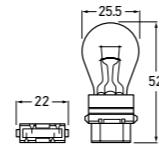
8GD 008 893-002



8GD 008 893-002 previously WG1221/5	12V	21/5W	W3x16q	W21/5W	
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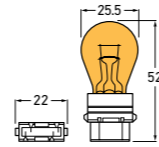
WP1227/7



PLASTIC WEDGE BASE GLOBES					
Part Numbers	Voltage	Power Consumption	Base	ADR 51/00 Category	
WP1227/7 8GD 007 731-271	12V	27/7W	W2.5x16q	P27/7W	



WPA1227/7



WPA1227/7 8GD 007 731-011	12V	27/7W	W2.5x16q	P27/7W	
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3RD EDITION ADR REFERENCE GUIDE

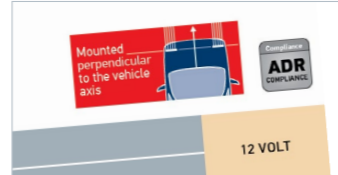
The following pages are a guide to mounting HELLA lamps in compliance with the Australian Design Rules (ADR). The diagrams in this section are intended as a general guide only, for exact mounting specifications please refer to ADR 13/00.



A quick reference



1. Find the product that fulfils your illumination requirement.



2. Check for the ADR symbol next to the part number to ensure it's compliance.

HELLA Part No.	Engineering Drawing No.	A.D.R. No.	Function
2550	001386-28	48/00	Number Plate Lamp
2551	001386-29	48/00	Number Plate Lamp
2553	991068-02	48/00	Number Plate Lamp
2954	990921-00	48/00	Number Plate Lamp
2954	001389-10	48/00	Number Plate Lamp
2555	001389-01	48/00	Number Plate Lamp

3. Look up the part number on the chart in this section for complete ADR information.

Simpler ADR Compliance

The 3rd edition ADR covers all vehicles and trailers, even those not subject to registration requirements such as very light trailers or 'box' trailers.

To simplify the ADR approval process for smaller manufacturers and individual home-builders, HELLA has obtained Component Type Approval (CTA) Numbers or ECE Certification for all HELLA products that comply with 3rd Edition ADRs.

This catalogue lists Component Type Approval (CTA) or ECE Certification Number beside each item in a quick reference ADR application chart in this section.

HELLA provides specific ADR related lamp orientation and mounting requirements to enable customers requiring ADR compliance to simply quote the relevant CTA Number or ECE Certification Number to the authorities.

In addition, the CTA Numbers may be referenced on the ROVER portal at the Australian Government, Department of Infrastructure, Transport, Regional Development, Communications and the Arts.

www.rover.infrastructure.gov.au

REAR

- 1 ADR 49/00 Rear End Outline Lamps
- 2 ADR 48/00 Number Plate Lamps
- 3 ADR 6/00: Cat.2 Rear Direction Indicators
- 4 ADR 49/00 Rear Position Lamps
- 5 ADR 49/00 Stop Lamps
- 6 ADR 47/00 Rear Retro Reflectors
- 7 ADR 1/00 Reversing Lamps

SIDE

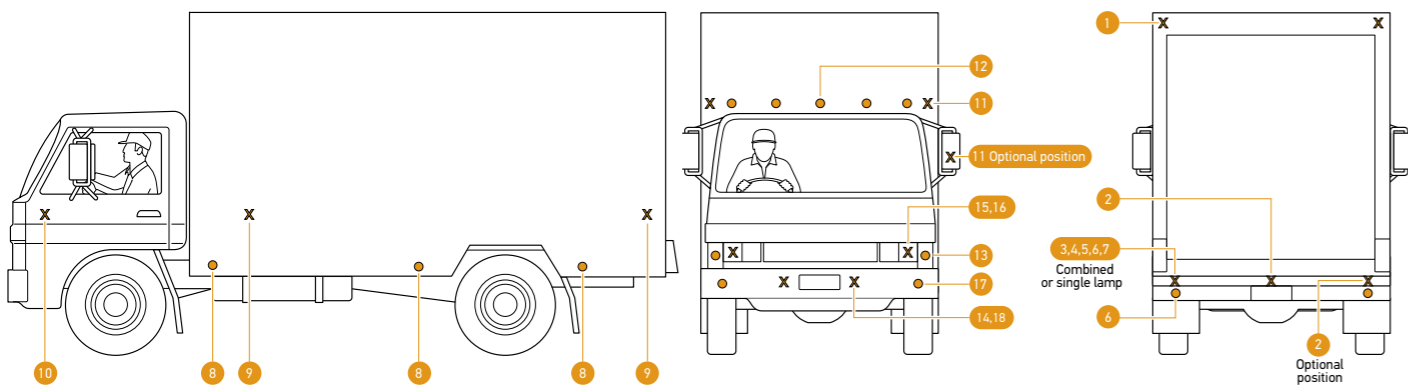
- 8 ADR 47/00 Side Retro Reflectors
- 9 ADR 45/01 or 74/00 Side Markers
- 10 ADR 6/00 Supplementary Side Direction Indicators

FRONT

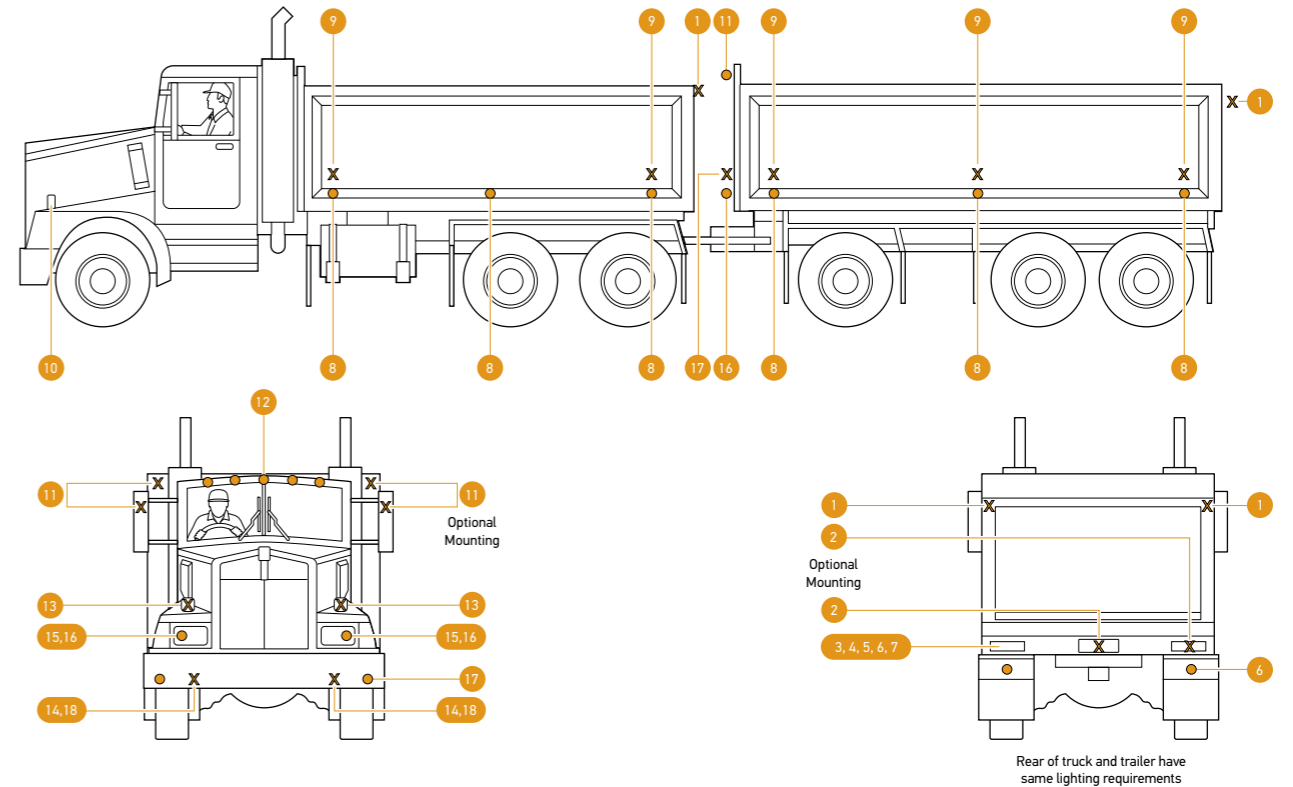
- 11 ADR 49/00 Front End Outline Lamps
- 12 ADR 45/01 Cab Markers (optional)
- 13 ADR 6/00: Cat.1 Front Direction Indicators
- 14 ADR 50/00 Front Fog Lamps (optional)
- 15 ADR 46/00 Headlamps
- 16 ADR 49/00 Front Position Lamps
- 17 ADR 47/00 Front Retro Reflectors
- 18 ADR 76/00 Daytime Running Lamps (optional)
- 19 Driving Lamps (optional)

*Optional on motor vehicles. ADR 13/00 permits up to 4 driving lamps that do not have to comply with ADR 46/00

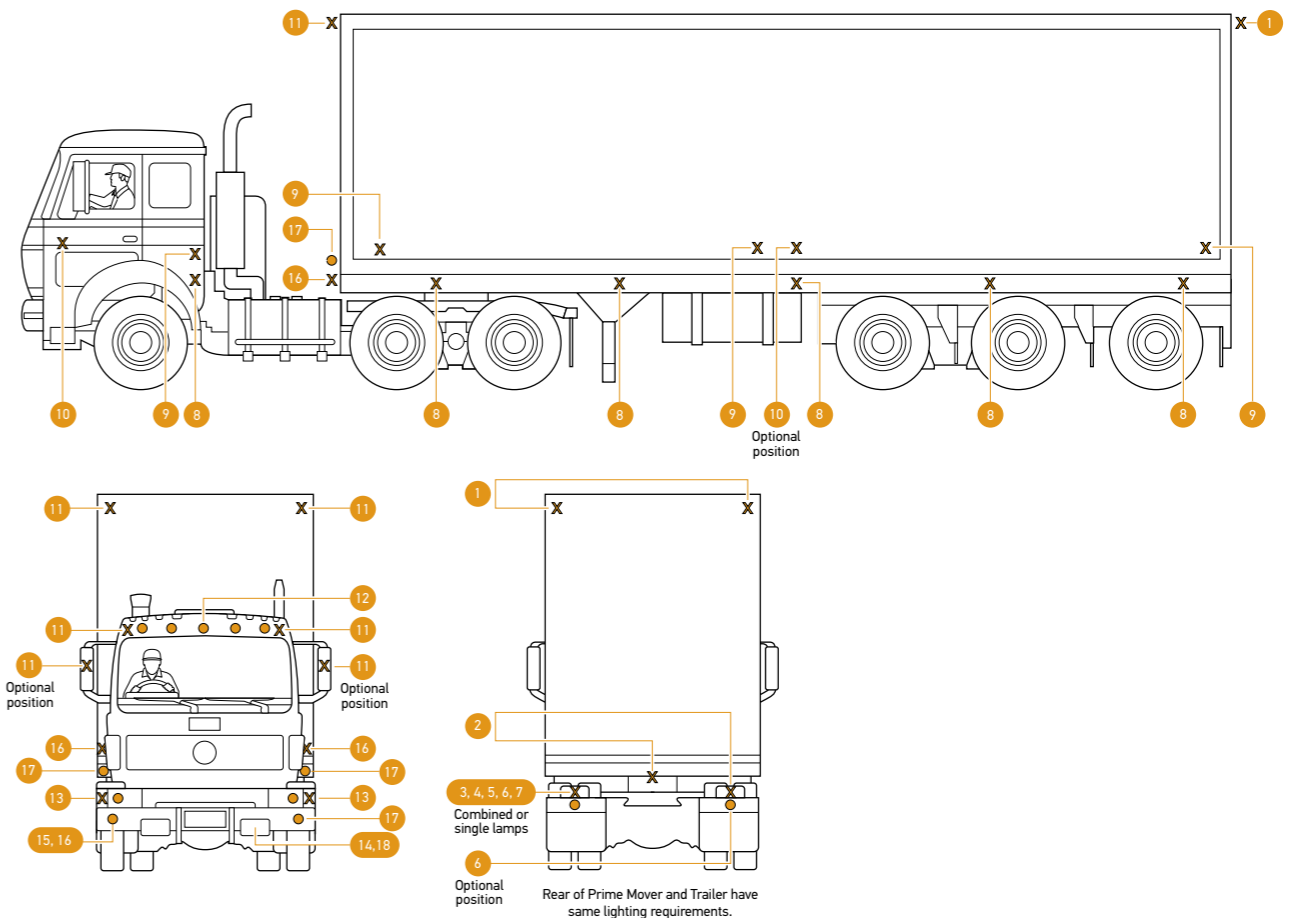
SMALL TRUCK



SINGLE TRAILER



SEMI TRAILER



REAR

- 1 ADR 49/00 Rear End Outline Lamps
- 2 ADR 48/00 Number Plate Lamps
- 3 ADR 6/00: Cat.2 Rear Direction Indicators
- 4 ADR 49/00 Rear Position Lamps
- 5 ADR 49/00 Stop Lamps
- 6 ADR 47/00 Rear Retro Reflectors
- 7 ADR 1/00 Reversing Lamps

SIDE

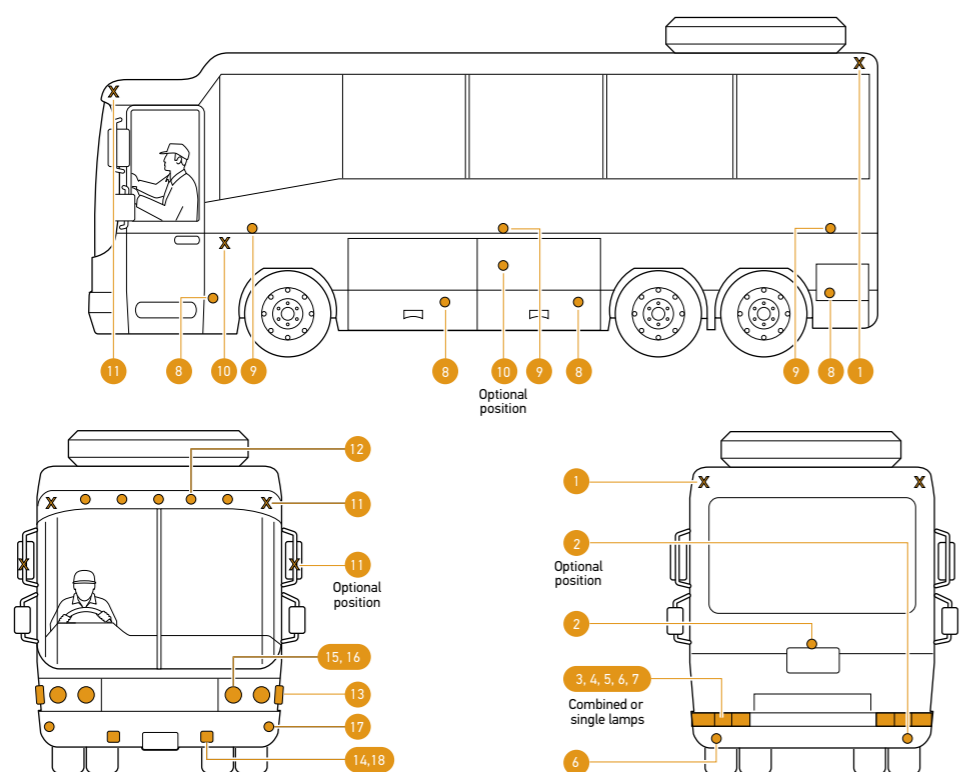
- 8 ADR 47/00 Side Retro Reflectors
- 9 ADR 45/01 or 74/00 Side Markers
- 10 ADR 6/00 Supplementary Side Direction Indicators

FRONT

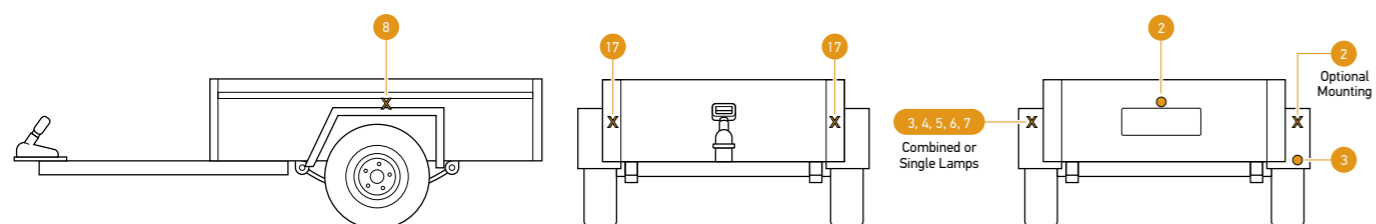
- 11 ADR 49/00 Front End Outline Lamps
- 12 ADR 45/01 Cab Markers (optional)
- 13 ADR 6/00: Cat.1 Front Direction Indicators
- 14 ADR 50/00 Front Fog Lamps (optional)
- 15 ADR 46/00 Headlamps
- 16 ADR 49/00 Front Position Lamps
- 17 ADR 47/00 Front Retro Reflectors
- 18 ADR 76/00 Daytime Running Lamps (optional)
- 19 Driving Lamps (optional)

*Optional on motor vehicles. ADR 13/00 permits up to 4 driving lamps that do not have to comply with ADR 46/00

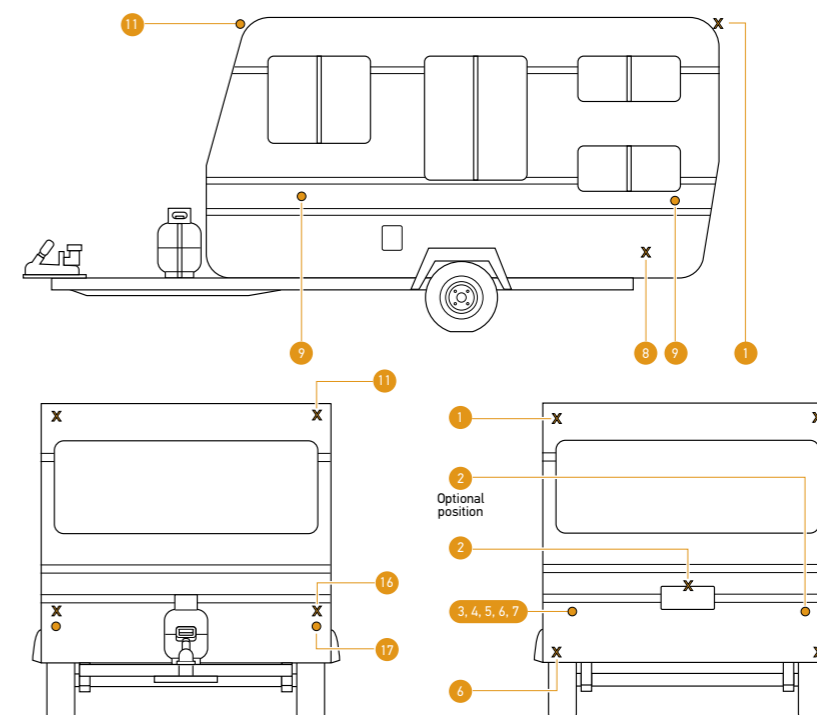
COACH



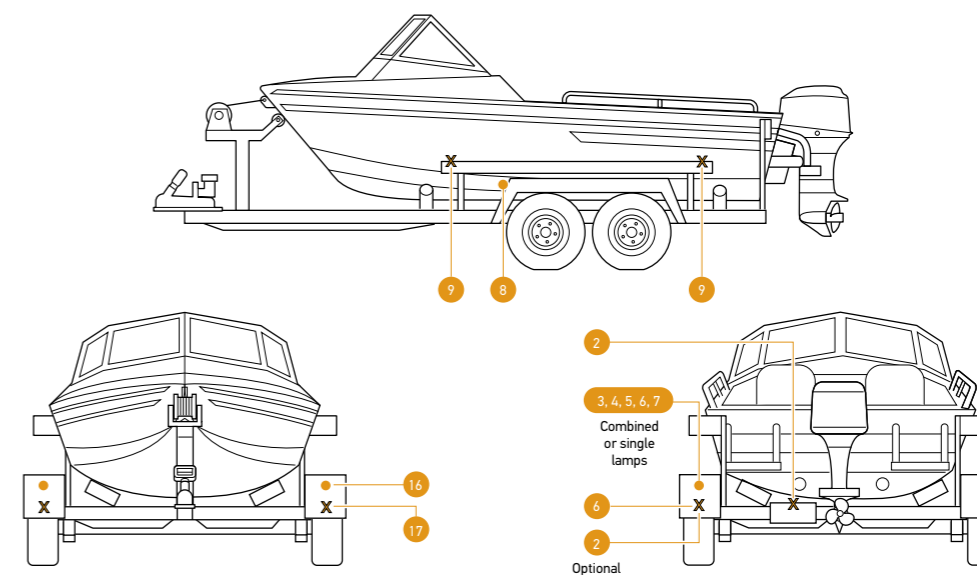
SMALL TRAILER



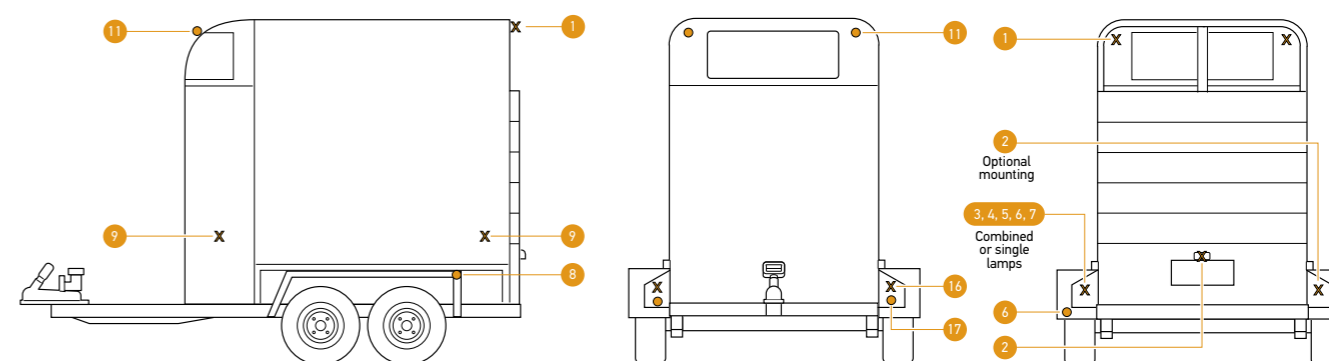
CARAVAN



BOAT TRAILER



HORSE FLOAT



Hella Part No.	12 Digit Part No.	Engineering Drawing No.	A.D.R.No.	Function	Globe Type	CTA or ECE	Instruction Sheet No.	Lamp Identification
1LE996374031	1LE 996 374-031	996.374-031	6/00:Cat 1 & 5	Front Direction Indicator Lamp	N/A LED	E1 4079		E1 4079
1LE996374041	1LE 996 374-041	996.374-041	46/00	Headlamp (Low/Dipped, Hih/Main)	N/A LED	E1 4080	HKG & ADR 13/00	E1 4080
			49/00	Front Position Lamp	N/A LED	E1 4079		E1 4079
1009	2PT 980 880-0xx	980.880-0xx	76/00	Daytime Running Lamp	N/A LED	E24 5869	958-780-04	0880
1009-24V	2PT 980 880-1xx	980.880-1xx						
1009V	2PT 980 880-4xx	980.880-4xx						
1009V-24V	2PT 980 880-5xx	980.880-5xx	76/00	Daytime Running Lamp	N/A LED	CTA-045962 CTA-045965	958-780-92	0880 B
1027	1LG 003 434-181	003.434-181	46/00	Headlamp	H4	E1 17016	911-352-79	17016
			49/00	Front Position Lamp	T4W	E1 7016		
1028	1BL 007 834-001	007.834-001	46/00	Headlamp (Low/Dipped Beam)	H1	E1 550	911-353-80	550
1029	1LL 008 193-xxx	008.193-xxx	46/00	Headlamp (Low/Dipped Beam)	H7	E1 917	911-353-81	
1030-24V	1K0 008 191-021	008.191-021	49/00	Front Position Lamp (1030 only)	T4W		911-353-79	917
1031	1K0 008 191-041	008.191-041	46/00	Headlamp (High/Main Beam)	H7	E1 917		
1041	1KB 003 177-061	003.177-061	46/00	Headlamp	H1	E1 24504	911-351-06	24504
1042	1LB 003 177-301	003.177-301	46/00	Headlamp	H4	E1 7197	911-351-07	7197R20
1043	1LE 003 427-041	003.427-041	46/00	Headlamp	H4	E1 17009	911-351-08	17009
			49/00	Front Position Lamp	T4W	E1 17119		
1044	1LB 003 177-511	003.177-511	46/00	Headlamp	H4	E1 7197	911-351-10	7197R20
			49/00	Front Position Lamp	T4W			
1053	1K3 114 155-001	114.155-001	46/00	Headlamp	H1	E1 14464	911-351-14	14464R8
			46/00	Headlamp	H4	E1 17031	911-351-16	17031R20
1055	1L3 002 850-06x	002.850-06x	49/00	Front Position Lamp	T4W	E1 515	911-351-17	53
			46/00	Headlamp	H4	E4 53		
1056	1L6 002 395-84x	002.395-84x	49/00	Front Position Lamp	T4W	E4 0325	911-351-18	53
			46/00	Headlamp	H4	E4 53		
1058 & 1058HD	1L6 002 395-131 1L6 002 395-261	002.395-131 002.395-261	46/00 49/00	Headlamp Front Position Lamp	H4 T4W	E4 0325		
1058LED	1L6 958 307-011	958.307-011	46/00	Headlamp	N/A LED	E11 6081	958-315-63	00 E11 12.5 6081
			49/00	Front Position Lamp	N/A LED			
			76/00	Daytime Running Lamp	N/A LED			
1ML012488111	1ML 012 488-111	012.488-111	46/00	Low Beam Headlamp	N/A LED	E1 4090	HKG & ADR 13/00	E1 4090
46/00	Low Beam Headlamp	N/A LED	E1 0072					
1ML012488131	1ML 012 488-131	012.488-131	49/00	Front Position Lamp	N/A LED	E1 0069		
76/00	Daytime Running Lamp	N/A LED						
1F0011988021	1F0 011 988--021	011.988-021	46/00	High Beam Headlamp	N/A LED	E1 3831	HKG & ADR 13/00	E1 3831
1F0011988121	1F0 011 988--121	011.988-121	46/00	High Beam Headlamp	N/A LED	E1 0071		
1F0011988131	1F0 011 988--131	011.988-131	49/00	Front Position Lamp	N/A LED	E1 0069		
			76/00	Daytime Running Lamp	N/A LED			
1F0011988171	1F0 011 988--171	011.988-171	46/00	High Beam Headlamp	N/A LED	E1 0071		
			6/00 Cat1	Front Direction Indicator Lamp	N/A LED			
1M0015050011	1M0 015 050-011	015.050-011	46/00	Low Beam Headlamp	N/A LED	E1 0008	HKG & ADR 13/00	E1 0008
1K0015050021	1K0 015 050-021	015.050-021	46/00	High Beam Headlamp	N/A LED	E1 0009	HKG & ADR 13/01	E1 0009
1LE996374031	1LE 996 374-031	996.374-031	46/00	Low & High Beam Headlamp	N/A LED	E1 4080 R112/01		E1 4080
1LE996374041	1LE 996 374-041	996.374-041	6/00:Cat 1 & 5	Front Direction Indicator Lamp and	N/A LED	E1 4079 R6 Cat.1b & 5	HKG & ADR 13/00	E1 4079
			6/00:Cat 5	Supp.Side Direction Indicator Lamp				
			49/00	Front Position Lamp	N/A LED	E1 4079 R7/02		
1LL012758111	1LL 012 758-111	012.758-111	46/00	Headlamp	N/A LED	E1 4209	HKG & ADR 13/00	E1 4209
1LL015318041	1LL 015 318-041	015.318-041	46/00	Headlamp	N/A LED	E1 0020	HKG & ADR 13/00	E1 0020
1TL998570641	1TL 998 570-641	998.570-641	55/00	Low Beam Headlamp (Motorcycle)	N/A LED	E4 0237	HKG & ADR 19/00	E4 0237
1KL998570621	1KL 998 570-621	998.570-621	46/00	High Beam Headlamp	N/A LED	E4 24910	HKG & ADR 13/00	E4 24910
1108	1N4 005 750-xxx	005.750-xxx	50/00	Front Fog Lamp	H3	E1 18213	911-351-30	18213R19
1110	1NB 005 860-xxx	005.860-xxx	50/00	Front Fog Lamp	H3	E1 18227	911-351-32	18227
1123	1NA 008 284-001	008.284-001	50/00	Front Fog Lamp	H7	E1 1211	911-353-47	021211
1308	1F4 005 750-xxx	005.750-xxx	46/00	High Beam Headlamp	H3	E1 44404	911-351-43	0444404R8
1309	1FD 005 700-111	005.700-111	46/00	High Beam Headlamp	H3	E1 44410	911-351-44	0444410R8

Hella Part No.	12 Digit Part No.	Engineering Drawing No.	A.D.R.No.	Function	Globe Type	CTA or ECE	Instruction Sheet No.	Lamp Identification
1310	1FB 005 860-231	005.860-231	46/00	High Beam Headlamp	H3	E1 44442	911-351-45	044442
1358LED	1L6 958 307-021	958.307-021	46/00	High Beam Headlamp	N/A LED	E11 7501	958-315-65	E11 30 01 7501
1378CHROME	1F3 009 094-031	009.094-031	46/00	High Beam Headlamp	H1	E1 1901	911-353-94	00 1901
1384	1F3 009 094-311	009.094-311	77/00	High Beam Headlamp	DIS	E1 2087	HKG & ADR 13/00	E1 002087
1395	1FJ 958 040-021	958.040-021	46/00	High Beam Headlamp	N/A LED	E24 0008	460 881-50	E24 20 0008
1395HD	1FJ 958 040-031	958.040-031					460 881-51	
1396	1FJ 958 040-061	958.040-061	46/00	High Beam Headlamp	N/A LED	E24 0009	460 881-50	E24 30 0009
1396HD	1FJ 958 040-041	958.040-041					460 881-51	
1397HD	1FJ 958 130-121	958.130-121	46/00	High Beam Headlamp	N/A LED	E24 0012	460 881-51	E24 25 0012
1398HD	1FJ 958 130-021	958.130-021	46/00	High Beam Headlamp	N/A LED	E24 0013	460 881-51	E24 37.5 0013
1F8016560001	1F8 016 560-001	016 560-00	46/00	High Beam Headlamp	N/A LED	E24 5919	HKG	E24 25 5919
			49/00	Front Position Lamp	N/A LED			
1F8016560011	1F8 016 560-011	016 560-01	46/00	High Beam Headlamp	N/A LED	E24 5920	HKG	E24 50 5920
			49/00	Front Position Lamp	N/A LED			
1F8016560021	1F8 016 560-021	016 560-02	46/00	High Beam Headlamp	N/A LED	E24 5919	HKG	E24 25 5919
			49/00	Front Position Lamp	N/A LED			
1F8016560031	1F8 016 560-031	016 560-03	46/00	High Beam Headlamp	N/A LED	E24 5920	HKG	E24 50 5920
			49/00	Front Position Lamp	N/A LED			
1FA996197151	1FA 996 197-151	996.197-151	46/00	High Beam Headlamp	N/A LED	E1 4517	HKG	E1 4517
1FA996197181	1FA 996 197-181	996.197-181						
22R017008001	22R 017 008-001	017008-00x	1/00	Reversing Lamp	N/A LED	E24 0925	959-150-10	E24 148R1/01*0925*00
22R3503000xx	22R 350.300-0xx	350.300-0xx	1/00	Reversing Lamp	N/A LED	E24 5945 AR		E24* 148R01/02*5945*00AR
			49/00	Rear Position Lamp	N/A LED	E24 5945 R1		E24* 148R01/02*5945*00R1
1433	22R 959 820-00x	959.820-00x	1/00	Reversing Lamp	N/A LED	E4 10208	959-149-69	9020
1446-H	22R 959 041-3xx	959.041-3xx	1/00	Reversing Lamp	N/A LED	CTA-035980	959-149-95	9040
1446-V	22R 959 041-4xx	959.041-4xx	1/00	Reversing Lamp	N/A LED	CTA-036243		
1461	22R 980 762-xxx	980.762-xxx	1/00	Reversing Lamp	N/A LED	CTA-045442	958-780-72	0760
			47/00	Retro Reflector (Red/Rear)	N/A			
1465 / 1467	22R 959 930-xxx	959.930-xxx	1/00	Reversing Lamp	N/A LED	CTA-035981	959-150-04 / -18	9930
1468	22R 980 889-00x	980.889-00x	1/00	Reversing Lamp	N/A LED	E24 000027	958-315-25	0880D
1468-24V	22R 980 889-20x	980.889-20x	1/00	Reversing Lamp	N/A LED		958-315-25	0880D
1468V	22R 980 889-10x	980.889-10x	1/00	Reversing Lamp	N/A LED	E24 000028	958-315-26	0880E
1468V-24V	22R 980 889-30x	980.889-30x	1/00	Reversing Lamp	N/A LED		958-315-26	0880E
1490	22R 959 010-5xx	959.010-5xx	1/00	Reversing Lamp	N/A LED	E4 11391	959-150-16	9010
1551LED-RE	22R 996188-121	996.188-121	1/00	Reversing Spotlamp	N/A LED	E1 3249	HFA & ADR 13/00	003249
1563LED-RE	22R 996 284-501	996.284-501	1/00	Reversing Spotlamp	N/A LED	E1 4576	HFA & ADR 13/00	004576
22R996285501	22R 996 285-501	996.285-501	1/00	Reversing Spotlamp	N/A LED	E1*148R01/02*0519*01	HFA & ADR 13/00	AR E1 148R01 0519
22R996576621	22R 996 576-621	996.576-621	1/00	Reversing Spotlamp	N/A LED	E1*148R00/00*0013*00	HFA & ADR 13/01	AR E1 148R00 0013
22R996588501	22R 996 588-501	996.588-501	1/00	Reversing Spotlamp	N/A LED	E1*148R00/04*0338*00	HFA & ADR 13/00	AR E1 148R00 0338
2026 & HM2026	2BP 959 660-xxx	959.660-xxx	45/01	Cab Marker Lamp	N/A LED	CTA-050133	959-149-17 / 05.19	9560
& HM2026D			6/00:Cat 5	Supp. Side Direction Indicator Lamp				
2027 / 2027P	2BP 980 660-1xx	980.660-1xx	45/01	Cab Marker Lamp	N/A LED	CTA-042857	980-703-13	6600
			6/00:Cat 5	Supp. Side Direction Indicator Lamp				
2031	2BM 959 700-0xx	959.700-00xx	6/00:Cat 5	Supp. Side Direction Indicator Lamp	N/A LED	CTA-030768	959-149-55	9700
2033	2PS 959 700-2xx	959.700-2x	45/01	Side Marker Lamp	N/A LED	CTA-031432	959-149-58	9700
			74/00	Side Marker Lamp	N/A LED			
2047	2PS 345 600-001	345.600-001	74/00 SM1	Side Marker Lamp : SM1	N/A LED	E24 5881	Refer ADR 13/00	E24 5881
			47/00	Retro Reflector (Amber Side)	N/A			
2048	2PS 345 600-011	345.600-011	74/00 : SM1	Side Marker Lamp : SM1	N/A LED			
2051	2PF 959 570-xxx	959.570-xxx	49/00	Front End Outline Lamp	N/A LED	CTA-040676	959-150-79	9560
			45/01	Side Marker Lamp	N/A LED			
2053	2PS 959 660-xxx	959.660-xxx	74/00	Side Marker Lamp	N/A LED	CTA-24743	959-149-16	9560
			49/00	Front Position Lamp or Front End Outline Lamp	N/A LED			
2055	2PF 959 590-40x	959.590-40x	49/00	Front Position Lamp or Front End Outline Lamp	N/A LED	E24 0054	959-149-26	A 02 E24 0054

Hella Part No.	12 Digit Part No.	Engineering Drawing No.	A.D.R.No.	Function	Globe Type	CTA or ECE	Instruction Sheet No.	Lamp Identification
2056	2PF 959 590-3xx	959.590-3xx	49/00	Front End Outline Lamp	N/A LED	CTA-027380	959-149-38	9590
2057	2XS 959 650-0xx	959.650-0xx	45/01	Cab Marker Lamp	N/A LED	CTA-027432	959-149-42	9650
2058P	2PS 980 660-0xx	980.660-0xx	45/01	Side Marker Lamp	N/A LED	CTA-041597	980-703-13	6600
			74/00	Side Marker Lamp	N/A LED	CTA-041597		
2059	2PF 980 855-01x	980.855-01x	49/00	Front Position Lamp or Front End Outline Lamp	N/A LED	E24 7R-025878 01	958-780-67	0855
2059S	2PF 980 855-02x	980.855-02x		958-780-70	0855			
2060 / 2060S	2PF 980 855-2xx	980.855-2xx	49/00	Front End Outline Lamp	N/A LED	CTA-045630	958-780-70	0855
2061P	2PF 980 660-2xx	980.660-2xx	49/00	Front Position Lamp or Front End Outline Lamp	N/A LED	CTA-046857	958-780-95	6600
2062P	2PF 980 660-3xx	980.660-3xx	49/00	Front End Outline Lamp	N/A LED	CTA-046858	958-780-96	6600
2066	2PF 006 679-001	006.679-001	49/00	Front Position Lamp or	R10W	E1 21691	911-351-79	0121691
				Front End Outline Lamp				
2071	2PF 980 990-4xx	980.990-4xx	49/00	Front End Outline Lamp	N/A LED	CTA-045943	958-780-90	0990
2073	2PS 980 990-0xx	980.990-0xx	45/01	Side Marker Lamp	N/A LED	CTA-045809	958-780-87	0990
			74/00	Side Marker Lamp	N/A LED	CTA-045809		
2074	2PF 980 990-20x	980.990-20x	49/00	Front Position Lamp or	N/A LED	E24 7R-025892	958-780-89	0990
				Front End Outline Lamp				
2076	2BP 980 990-1xx	980.990-1xx	45/01	Cab Marker Lamp	N/A LED	CTA-045810	958-780-88	0990
			6/00:Cat 5	Supp. Side Direction Indicator Lamp				
2083 / 2083S	2PS 980 868-xxx	980.868-xxx	45/01	Side Marker Lamp	N/A LED	CTA-047116	958-315-32	0868
			74/00	Side Marker Lamp	N/A LED	CTA-047116		
2086 / 2086S	2BM 980 868-3xx	980.868-3xx	6/00:Cat 5	Supp. Side Direction Indicator Lamp	N/A LED	CTA-049890	460-965-06	8983
2101	2BA 002 939-171	002.939-171	6/00:Cat 1	Front Direction Indicator Lamp	P21W	E1 32710	911-353-58	32710
2105	2BA 959 932-xxx	959.932-xxx	6/00:Cat 1	Front Direction Indicator Lamp	N/A LED	CTA-036805	959-150-24	9930
2105CLR	2BA 959 932-xxx	959.932-xxx	6/00:Cat 1	Front Direction Indicator Lamp	N/A LED	CTA-040148		
2106-CS	2BE 959 932-13x	959.932-13x	6/00:Cat 1	Front Direction Indicator Lamp	N/A LED	E24 5851	959-150-92	1 01 E24 5851
			49/00	Front Position Lamp	N/A LED		A 02 E24 5851	
2107	2BA 959 011-1xx	959.011-1xx	6/00:Cat 1	Front Direction Indicator Lamp	N/A LED	CTA-041601	980-703-19	9010
2108-GMD	2BE 980 687-11x	980.687-11x	6/00:Cat 1	Front Direction Indicator Lamp	N/A LED	E24 5921	980-703-70	0690
2108-GMD24V	2BE 980 686-01x	980.686-01x	49/00	Front Position Lamp	N/A LED		980-703-29	
2109	2BA 980 888-3xx	980.888-3xx	6/00:Cat 1	Front Direction Indicator Lamp	N/A LED	E24 5869	958-315-01	0880
			2109-24V	2BA 980 888-4xx	980.888-4xx			
2109V	2BA 980 888-5xx	980.888-5xx	6/00:Cat 1	Front Direction Indicator Lamp	N/A LED	E24 5869	958-315-20	0880B
2109V-24V	2BA 980 888-6xx	980.888-6zxx	6/00:Cat 1	Front Direction Indicator Lamp	N/A LED			
2110-12V	2BE 980 819-xxx	980.819-xxx	6/00:Cat 1	Front Direction Indicator Lamp	N/A LED	CTA-049241	958-315-80	0880C
			49/00	Front Position Lamp	N/A LED			
2110-24V	2BE 980 819-xxx	980.819-xxx	6/00:Cat 1	Front Direction Indicator Lamp	N/A LED	CTA-049252	958-315-80	0880C
			49/00	Front Position Lamp	N/A LED			
2128LED	2BA 959 932-xxx	959.932-xxx	6/00:Cat 1	Front Direction Indicator Lamp	N/A LED	CTA-036805	959-150-25	9930
2130	2BA 959 011-0xx	959.011-0xx	6/00:Cat 2a	Rear Direction Indicator Lamp	N/A LED	E4 11391	959-149-50	9010
2133	2BA 959 822-00x	959.822-00x	6/00:Cat 2a	Rear Direction Indicator Lamp	N/A LED	E4 10208	959-149-71	9020
2135LED	2BA 959 932-xxx	959.932-xxx	6/00:Cat 1	Front Direction Indicator Lamp	N/A LED	CTA-036805	959-150-26	9930
2138	2BR 959 031-0xx	959.031-0xx	6/00:Cat2a	Rear Direction Indicator Lamp	N/A LED	CTA-044203	958-780-39	9030
			47/00	Retro Reflector (Red/Rear)	N/A			

Hella Part No.	12 Digit Part No.	Engineering Drawing No.	A.D.R.No.	Function	Globe Type	CTA or ECE	Instruction Sheet No.	Lamp Identification
2144LED-H	2BA 959 041-xxx	959.041-xxx	6/00:Cat2a	Rear Direction Indicator Lamp	N/A LED	CTA-034498	959-149-30	9040
2146-H	2BA 959 041-1xx	959.041-1xx	6/00:Cat2a	Rear Direction Indicator Lamp	N/A LED	CTA-026179	959-149-30	9040
2146-HCS	2BA 959 041-xxx	959.041-xxx				CTA-034498	959-150-57	
2146-H24	2BA 959 041-xxx	959.041-xxx				CTA-026180	959-149-88	
2146-V	2BA 959 041-2xx	959.041-2xx				CTA-036718	959-149-30	
2146-V24	2BA 959 041-7xx	959.041-7xx					959-149-88	
2BA017006001	2BA 017 006-001	017006-00x	6/00:Cat2a	Rear Direction Indicator Lamp	N/A LED	E24 0924		E24 148R1/01*0924*00
2BA3503000xx	2BA 350.300-0xx	350.300-0xx	6/00:Cat2a	Rear Direction Indicator Lamp	N/A LED	E24 5945 2a		E24* 148R01/02*5945*00 2a
			49/00	Rear Position Lamp	N/A LED	E24 5945 R1	959-150-11	E24* 148R01/02*5945*00 R1
2153	2BM 006 692-01x	006.692-01x	6/00:Cat 6	Supp.Side Direction Indicator Lamp	P21W	E1 52621	911-353-69	52621
2154	2BM 006 692-02x	006.692-02x	6/00:Cat 6	Supp.Side Direction Indicator Lamp	P21W	E1 52621	911-353-70	
2155	2BM 008 355-00x	008.355-00x	6/00:Cat 6	Supp.Side Direction Indicator Lamp	P21W	E1 1059	911-353-71	1059
2155CLR	2BM 008 355-01x	008.355-01x	6/00:Cat 6	Supp.Side Direction Indicator Lamp	PY21W	E1 1848		1848
2156	2BA 959 075-5xx	959.075-5xx	6/00:Cat 2a	Rear Direction Indicator Lamp	N/A LED	CTA-026483	959-149-28	9074
2156-24V	2BA 959 075-0xx	959.075-0xx	6/00:Cat 2a	Rear Direction Indicator Lamp	N/A LED	CTA-026104	959-149-29	
2161	2BR 980 761-xxx	980.761-01x	6/00:Cat 2a	Rear Direction Indicator Lamp	N/A LED	CTA-045443	958-780-73	0760
			47/00	Retro Reflector (Red/Rear)	N/A			
2161-CS	2BR 980 761-xxx	980.761-02x	6/00:Cat 2a	Rear Direction Indicator Lamp	N/A LED	CTA-045443	958-780-74	0760
			47/00	Retro Reflector (Red/Rear)	N/A			
2165	2BA 959 932-xxx	959.932-xxx	6/00:Cat 2a	Rear Direction Indicator Lamp	N/A LED	CTA-036056	959-150-06	9930
2167	2BA 959 932-xxx	959.932-xxx	6/00:Cat 2a	Rear Direction Indicator Lamp	N/A LED	CTA-036056	959-150-22	9930
2168	2BA 980 888-0xx	980.888-0xx	6/00:Cat 2a	Rear Direction Indicator Lamp	N/A LED	E24 5891	958-315-02	0880C
2168-24V	2BA 980 888-2xx	980.888-2xx	6/00:Cat 2a	Rear Direction Indicator Lamp	N/A LED			
2BM011788021	2BM 011 788-021	011788-02	6/00:Cat 6	Supp.Side Direction Indicator Lamp	N/A LED	E11 7506	HKG 460 903-61/11.13	01 6 E11 7506
							Refer ADR 13/00	
2305	2TM 345 600-307	345.600-007	49/00	Rear Position Lamp or	N/A LED	E24 5881	Refer ADR 13/00	R 02 E24 5881
				Rear End Outline Lamp				
2306	2TM 345 600-317	345.600-317	49/00	Rear Position Lamp or	N/A LED	E24 5881	Refer ADR 13/00	R 02 E24 5881
				Rear End Outline Lamp				
2307	2XA 959 560-xxx	959.560-xxx	49/00	Rear Position Lamp or	N/A LED	CTA-040680	959-150-81	9560
				Rear End Outline Lamp				
2308	2BA 959 610-40x	959.610-40x	49/00	Rear Position Lamp or Rear End Outline Lamp	N/A LED	E4 7597	959-149-20	E4 7R 02 7597
2309	2BA 959 700-3xx	959.700-3xx	49/00	Rear Position Lamp or Rear End Outline Lamp	N/A LED	CTA-031431	959-149-59	9700
2310 / 2310S	2XA 980 855-xxx	980.855-xxx	49/00	Rear Position Lamp or Rear End Outline Lamp	N/A LED	CTA-045631	958-780-71	0855
						E24 7R-025878 01		
2311 / 2311P	2XS 980 660-xxx	980.660-xxx	49/00	Rear Position Lamp or Rear End Outline Lamp	N/A LED	CTA-046859	958-780-97	6600
2312	2XS 980 660-60x	980.990-60x	49/00	Rear Position Lamp or Rear End Outline Lamp	N/A LED	E24 7R-025892	958-780-91	0990

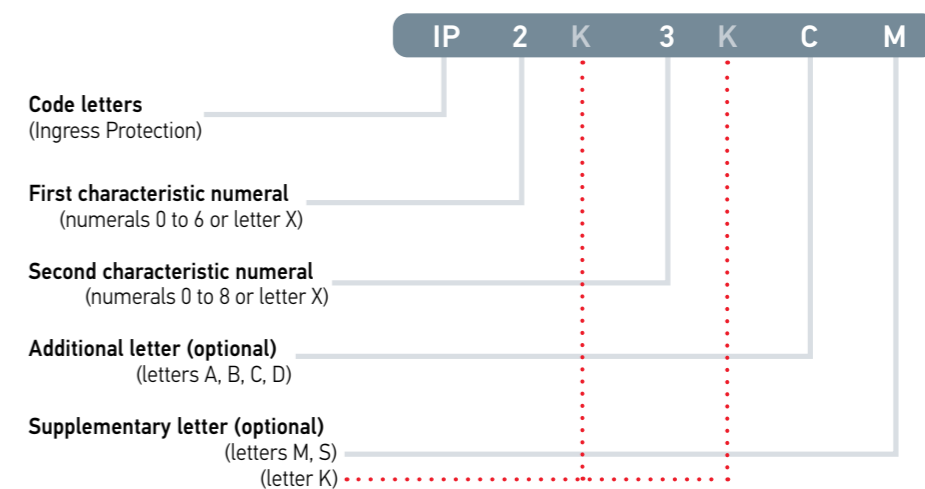
Hella Part No.	12 Digit Part No.	Engineering Drawing No.	A.D.R.No.	Function	Globe Type	CTA or ECE	Instruction Sheet No.	Lamp Identification
2317	2TA 959 030-1xx	959.030-1xx	47/00	Retro Reflector (Red/Rear)	N/A	CTA-042577	959-149-05	9030
			49/00	Rear Position : Horiz	N/A LED			
			49/00	Stop : Horiz	N/A LED			
2SB017007001	2SB 017 007-001	017007-00x	49/00	Stop Lamp	N/A LED	E24 5942		E24 148R01/01*5942*00
2SB3503000xx	2SB 350.300-0xx	350.300-0xx	49/00	Stop Lamp	N/A LED	E24 5945 S1		E24* 148R01/02*5945*00 S1
				Rear Position Lamp	N/A LED	E24 5945 R1		E24* 148R01/02*5945*00 R1
2332-H24	2SB 959 040-5xx	959.040-5xx	49/00	Stop Lamp	N/A LED	CTA-034502	959-149-87	9040
			49/00	Rear Position Lamp	N/A LED			
2332-V24	2SB 959 040-7xx	959.040-7xx	49/00	Stop Lamp	N/A LED	CTA-036721	959-149-87	
			49/00	Rear Position Lamp	N/A LED			
2334	2SB 959 074-xxx	959.074-xxx	49/00	Stop Lamp	N/A LED	CTA-026484	959-149-27	9074
			49/00	Rear Position Lamp	N/A LED			
2334-24V	2SB 959 074-xxx	959.074-xxx	49/00	Stop Lamp	N/A LED	CTA-026151		
			49/00	Rear Position Lamp	N/A LED			
2361	2TA 980 760-xxx	980.760-xxx	49/00	Stop Lamp	N/A LED	CTA-045632	958-780-75	0760
			49/00	Rear Position Lamp	N/A LED			
			47/00	Retro Reflector (Red/Rear)	N/A			
2365	2SB 959 931-xxx	959.931-xxx	49/00	Stop Lamp	N/A LED	CTA-036250	959-150-05	9930
			49/00	Rear Position Lamp	N/A LED			
2366	2SB 959 821-00x	959.821-00x	49/00	Stop Lamp	N/A LED	E4 10208	959-149-70	9020
			49/00	Rear Position Lamp	N/A LED			
2367	2SB 959 931-xxx	959.931-xxx	49/00	Stop Lamp	N/A LED	CTA-036250	959-150-20	9930
			49/00	Rear Position Lamp	N/A LED			
2375-12V	2SD 980 819-00x	980.819-00x	6/00:Cat 2a	Rear Direction Indicator Lamp	N/A LED	E24 5902	958-315-70	0880H
2375-24V	2SD 980 819-22x	980.819-22x	49/00	Stop Lamp	N/A LED			
			49/00	Rear Position Lamp	N/A LED			
2377	2VA 980 710-01x	980.710-01x	6/00:Cat 2a	Rear Direction Indicator Lamp	N/A LED	E24 5882	958-780-66	0710
			49/00	Stop Lamp	N/A LED			
			49/00	Rear Position Lamp	N/A LED			
			47/00	Retro Reflector (Red/Rear)	N/A			
2378	2SD 980 613-00x	980.613-00x	6/00:Cat 2a	Rear Direction Indicator Lamp	N/A LED	E24 5883	958-780-63	0710
2378-CS	2SD 980 613-20x	980.613-20	49/00	Stop Lamp	N/A LED		958-780-64	
2378DT	2SD 980 602-00x	980.602-00	49/00	Rear Position Lamp	N/A LED		958-780-65	
2378DTCS	2SD 980 602-00x	980.602-20x					958-780-68	
2VP 015 074-001	2VP 015 074-001	015.074-00	47/00	Retro Reflector (Red/Rear)	N/A	CTA-050198		
2VP 015 074-101	2VP 015 074-101	015.074-10	47/00	Retro Reflector (Red/Rear)	N/A			
2VP 015 075-001	2VP 015 075-001	015.075-00	6/00:Cat 2a	Rear Direction Indicator Lamp	N/A LED	E24 5925	460-965-10	0710
2VP 015 075-101	2VP 015 075-101	015.075-10	6/00:Cat 2a	Rear Direction Indicator Lamp	N/A LED			
			49/00	Stop/Rear Position Lamp	N/A LED			
			49/00	Stop/Rear Position Lamp	N/A LED			
			1/00	Reversing Lamp	N/A LED			
			1/00	Reversing Lamp	N/A LED			
2VP 328 630-011	2VP 328 630-011	328.630-01	47/00	Retro Reflector (Red/Rear)	N/A			
			6/00:Cat 2a	Rear Direction Indicator Lamp	N/A LED			
			49/00	Stop/Rear Position Lamp	N/A LED			
			52/00	Rear Fog Lamp	N/A LED			
			1/00	Reversing Lamp	N/A LED			

Hella Part No.	12 Digit Part No.	Engineering Drawing No.	A.D.R.No.	Function	Globe Type	CTA or ECE	Instruction Sheet No.	Lamp Identification
2VP 328 630-021	2VP 328 630-021	328.630-02	47/00	Retro Reflector (Red/Rear)	N/A	E9 1386	HKG	1386
			6/00:Cat 2a	Rear Direction Indicator Lamp	N/A LED			
			49/00	Stop/Rear Position Lamp	N/A LED			
			52/00	Rear Fog Lamp	N/A LED			
			1/00	Reversing Lamp	N/A LED			
2383-24VCS	2SK 980 615-5xx	980.613-5xx	6/00:Cat 2a	Rear Direction Indicator Lamp	N/A LED	E24 5894	958-315-28	0710
2383-DT24VCS	2SK 980 602-xxx	980.602-5xx	49/00	Stop Lamp	N/A LED			
			49/00	Rear Position Lamp	N/A LED		958-315-27	
2390	2SB 959 010-0xx	959.010-0xx	49/00	Stop Lamp	N/A LED	E4 11391	959-149-51	9010
			49/00	Rear Position Lamp	N/A LED			
2391	2VP 980 980-xxx	980.980-xxx	1/00	Reversing Lamp	N/A LED	CTA-045248	958-780-58	0980
			6/00:Cat 2a	Rear Direction Indicator Lamp	N/A LED			
			49/00	Stop Lamp	N/A LED			
			49/00	Rear Position Lamp	N/A LED			
			47/00	Retro Reflector (Red/Rear)	N/A			
2392L / 2392R	2VD 980 980.xxx	980.980-xxx	1/00	Reversing Lamp	N/A LED	CTA-045263	958-780-59	0980
			6/00:Cat 2a	Rear Direction Indicator Lamp	N/A LED			
			49/00	Stop Lamp	N/A LED			
			49/00	Rear Position Lamp	N/A LED			
			47/00	Retro Reflector (Red/Rear)	N/A			
2394	2VA 980 720-xxx	980720-xxx	6/00:Cat 2a	Rear Direction Indicator Lamp	N/A LED	CTA-042034	980-703-20	0720
			49/00	Stop Lamp	N/A LED			
			49/00	Rear Position Lamp	N/A LED			
			47/00	Retro Reflector (Red/Rear)	N/A			
			48/00	Licence Plate Lamp	N/A LED			
2395	2VB 980 720-xxx	980.720-xxx	6/00:Cat 2a	Rear Direction Indicator Lamp	N/A LED	CTA-042030	980-703-21	0720
			49/00	Stop Lamp	N/A LED			
			49/00	Rear Position Lamp	N/A LED			
			47/00	Retro Reflector (Red/Rear)	N/A			
			48/00	Licence Plate Lamp	N/A LED			
2399	2SD 959 010-2xx	959.010-2xx	6/00:Cat 2a	Rear Direction Indicator Lamp	N/A LED	E9 1538	959-150-30	9010
			49/00	Stop Lamp	N/A LED			
			49/00	Rear Position Lamp	N/A LED			
2416LED	2VA 959 030-321	959.030-321	6/00:Cat2a	Rear Direction Indicator Lamp	N/A LED	CTA-044203	959-150-39	9030
			47/00	Retro Reflector (Red/Rear)	N/A			
			49/00	Rear Position : Horiz	N/A LED			
			49/00	Stop : Horiz	N/A LED			
			49/00	Rear Position : Vert	N/A LED			
2422LED	2VA 959 030-421	959.030-421	6/00:Cat2a	Rear Direction Indicator Lamp	N/A LED	CTA-042577	959-150-38	9030
			47/00	Retro Reflector (Red/Rear)	N/A			
			49/00	Rear Position : Horiz	N/A LED			
			49/00	Stop : Horiz	N/A LED			
			49/00	Rear Position : Vert	N/A LED			
2426-H	2SD 959-040-801	959-040-801	6/00:Cat2a	Rear Direction Indicator Lamp	N/A LED	CTA-034498	959-149-88	9040
			49/00	Stop Lamp	N/A LED			
			49/00	Rear Position Lamp	N/A LED		959-149-87	
2427-H	2SD 959-040-811	959-040-811	6/00:Cat2a	Rear Direction Indicator Lamp	N/A LED	CTA-034498	959-149-88	9040
			49/00	Stop Lamp	N/A LED			
			49/00	Rear Position Lamp	N/A LED		959-149-87	
2428-H	2SK 959-041-811	959-041-811	1/00	Reversing Lamp	N/A LED	CTA-035980	959-149-95	9040
			6/00:Cat2a	Rear Direction Indicator Lamp	N/A LED			
			49/00	Stop Lamp	N/A LED			
			49/00	Rear Position Lamp	N/A LED			

Hella Part No.	12 Digit Part No.	Engineering Drawing No.	A.D.R.No.	Function	Globe Type	CTA or ECE	Instruction Sheet No.	Lamp Identification
2429	2VA 980 760-801	980760-80x	6/00:Cat 2a	Rear Direction Indicator Lamp	N/A LED	CTA-045443	958-780-73/74	0760
2429-CS	2VA 980 761-801	980761-80x	49/00	Stop Lamp	N/A LED	CTA-045632	958-780-75	
			49/00	Rear Position Lamp	N/A LED			
2430	2VA 980 760-811	980760-81x	6/00:Cat 2a	Rear Direction Indicator Lamp	N/A LED	CTA-045443	958-780-73/74	
			49/00	Stop Lamp	N/A LED	CTA-045632	958-780-75	
2430-CS	2VA 980 761-811	980761-81x	49/00	Rear Position Lamp	N/A LED			
2430DTCS	2VA 980 761-941	980761-94x	47/00	Retro Reflector (Red/Rear)	N/A			
2431	2VP 980 760-821	980760-82x	6/00:Cat 2a	Rear Direction Indicator Lamp	N/A LED	CTA-045443	958-780-73/74	0760
2431-CS	2VP 980 761-821	980761-82x	49/00	Stop Lamp	N/A LED	CTA-045632	958-780-75	
			49/00	Rear Position Lamp	N/A LED			
2431DTCS	2VP 980 761-951	980761-95x	1/00	Reversing Lamp	N/A LED	CTA-045442	958-780-72	
			47/00	Retro Reflector (Red/Rear)	N/A	CTA-045632		
2553	2KA 003 389-061	003.389-061	48/00	Licence Plate Lamp	R10W	E1 22819	911-352-47	E1 22819
2559	2KA 959 640-0xx	959.640-0xx	48/00	Licence Plate Lamp	N/A LED	CTA-042545	959-149-35	9590
2559-1	2KA 959 640-xxx	959.640-xxx	48/00	Licence Plate Lamp	N/A LED	CTA-041602	980-703-00	9640
2560	2KA 980 869-0xx	980.869-0xx	48/00	Licence Plate Lamp	N/A LED	CTA-046799	958-315-24	0855
2902	8RA 002 016-11x	002.016-11x	47/00	Retro Reflector (Red/Rear)	N/A	E1 31290	911-352-51	0231290
2915	8RA 002 014-23x	002.014-23x	47/00	Retro Reflector (Red/Rear)	N/A	E24 0030	911-352/3-55/50	020030
2916	8RA 002 014-25x	002.014-25x	47/00	Retro Reflector (Amber/Side)	N/A	E24 0030	911-352/3-56/48	020030
2917	8RA 002 014-24x	002.014-24x	47/00	Retro Reflector (White/Front)	N/A	E24 0030	911-352/3-57/49	020030
2919	8RA 004 412-00x	004.412-00x	47/00	Retro Reflector (Amber/Side)	N/A	E17 02338	911-352/3-58/48	02338
2920	8RA 004 412-02x	004.412-02x	47/00	Retro Reflector (Red/Rear)	N/A	E17 02338	911-352/3-70/50	02338
2921	8RA 004 412-01x	004.412-01x	47/00	Retro Reflector (White/Front)	N/A	E17 02338	911-352/3-71/49	02338
2922	8RA 003 326-04x	003.326-04x	47/00	Retro Reflector (Amber/Side)	N/A	E2 92031	911-352/3-59/48	0292031
2922-2/200	8RA 003 326-01x	003.326-01x	47/00	Retro Reflector (Amber/Side)	N/A	E1 21395	HKG & ADR13/00	E1 0221395
2923	8RA 003 326-03x	003.326-03x	47/00	Retro Reflector (Red/Rear)	N/A	E2 92031	911-352/3-72/50	0292031
2923-2BULK	8RA 003 326-00x	003.326-00x	47/00	Retro Reflector (Red/Rear)	N/A	E1 21395	HKG & ADR13/00	E1 0221395
2924	8RA 003 326-05x	003.326-05x	47/00	Retro Reflector (White/Front)	N/A	E2 92031	911-352/3-73/49	0292031
2924-2BULK	8RA 003 326-02x	003.326-02x	47/00	Retro Reflector (White/Front)	N/A	E1 21395	HKG & ADR13/00	E1 0221395
2925	8RB 004 713-00x	004.713-00x	47/00	Retro Reflector (Amber/Side)	N/A	E17 353	911-352/3-60/48	02353
2926	8RB 342 007-10x	342.007-10x	47/00	Retro Reflector (Red/Rear)	N/A	E17 353	911-352/3-74/50	02353
5243	2DA 959 071-5xx	959.071-5xx	49/00 Cat S3	Centre High Level Brake Lamp	N/A LED	E4 7547	959-089-01	27547
5245	2DA 980 887-30x	980887-30x	49/00 Cat S3	Centre High Level Brake Lamp	N/A LED	E24 0087	958-780-83	0880 A
5608	2PT 009 496-80x	009.496-80x	76/00	Daytime Running Lamp	N/A LED	E1 2344	911-355-16	2344
5618-24V	2PT 980 680-85x	980.680-85x	76/00	Daytime Running Lamp	N/A LED	E24 0001	980-703-24	E24 0001 (0680)
5619	2PT 980 880-0xx	980.880-0xx	76/00	Daytime Running Lamp	N/A LED	E24 5869	958-780-26	0880
5619-24V	2PT 980 880-1xx	980.880-1xx						
5619V	2PT 980 880-1xx	980880-90	76/00	Daytime Running Lamp	N/A LED	CTA-045962	958-780-98	0880 B
5619V-24V		980880-95				CTA-045965	958-780-98	
5636	2PT 980 970-0xx	980.970-0xx	76/00	Daytime Running Lamp	N/A LED	E24 5875	958-780-52	0970
5636-24V	2PT 980 970-5xx	980.970-5xx						
5641	1N4 005 750-xxx	005.750-xxx	50/00	Front Fog Lamp	H3	E1 18213	911-351-30	18213R19
9.1358.01	1F6 002 659-07x	002.659-07x	46/00	High Beam Headlamp	H3	E1 14529	911-351-50	14529

Ingress Protection (IP) Rating

Construction and meaning of the IP Rating



Ingress Protection: Overview of the Elements of the IP Rating

Element	Numeral / Letter	Protection of electrical equipment	Protection of persons
First characteristic numeral / supplementary letter	0	Protection against the ingress of solid foreign objects (including dust): Not protected	Protection against access to hazardous parts (unless described by extra letters): Not protected
	1	With size ≥ 50mm	With back of hand
	2	With size ≥ 12.5mm	With finger
	3	With size ≥ 2.5mm	With tool
	4	With size ≥ 1mm	With wire
	5K	Dust-protected	With wire
	6K	Dust-tight	With wire
Second characteristic numeral / supplementary letter	0	Protection against the ingress of water: Not protected	
	1	Vertical dripping	
	2	Dripping (inclined 15°)	
	3	Spraying	
	4	Splashing	
	4K	Same with increased pressure	
	5	Jetting	
	6	Powerful jetting	
	6K	Same at increased pressure	
7	Temporary immersion		
8	Continuous immersion		
9K	High-pressure/steam jet cleaning		
Additional letter (optional)	A	Meaning for the protection of electrical equipment	Protection against access to hazardous parts (unless described by first characteristic numeral): With back of hand
	B		With finger
	C		With tool
	D		With wire
Supplementary letter (optional)	M	Movement of moving parts during water test	
	S	Standstill of moving parts during water test	
	K	Specifically for the electrical equipment in road vehicles	



Warranty Information

STATEMENT OF WARRANTY

Hella Australia Pty Ltd warrants all products from the date of purchase by the first-time end-user and covers defects in materials and/or manufacturing only and provided that the product is installed in accordance with our mounting instructions and by suitable qualified personnel. Warranty is valid from country of purchase only.

The goods are supplied strictly on the terms and subject to the condition that the Buyer has satisfied itself of their suitability for their intended purpose.

The benefits given by our Warranty are in addition to other rights and remedies of consumers under a law in relation to the products to which our Warranty relates; and

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. In the event of a minor failure, the Company reserves the right to choose to repair or replace the product.

Information supplied and printed in catalogues, specifications or other details on the product shall not constitute guarantees for condition or durability.

WARRANTY PERIODS

Automotive & Marine Products

1. Hella DuraLED® products carry a Lifetime* warranty covering faults in material, components, or manufacturing.
2. Hella and Hella Marine LED products carry a five (5) year warranty covering faults in material, components, or manufacturing.
3. Hella and Hella Marine products carry a three (3) year warranty covering faults in material, components, or manufacturing.
4. SCANGRIP products carry a three (3) year warranty covering faults in material, components, or manufacturing, except the "FOR LIFE" range products which carry a five (5) year warranty covering faults in material, components, or manufacturing

* Lifetime means the economic life of the vehicle these products were first installed on.

Thermal Management

All air conditioning and engine cooling components carry a limited warranty of one (1) year or 50,000km (whichever occurs first) covering faults in material, components, or manufacturing commencing from the date of fitment.

Brakes - HELLA BRAKE SYSTEMS

Hella branded brake products carry a limited warranty covering faults in materials, components, or manufacturing.

LIMITATION OF LIABILITY

Hella Australia Pty Ltd liability is limited to repair, replacement, or settlement by credit note at Hella Australia Pty Ltd discretion. This warranty does not cover:

- Claims that are attributable to the non-compliance of the vehicle manufacturer's production specifications, maintenance and or service policies.
- Claims as a result of any modifications / alterations to the product.
- Claims as a result of non-compliance to the assembly, service and operating instructions and/or any unfit or improper use, and /or wrong or negligent treatment, and / or normal wear and tear, contamination, results from accidents, insufficient or excessive electrical supply, subject to undue environmental conditions, accident or improper application.

But does not exclude any consumer guarantees applying to the goods under Australian Consumer Law.

CLAIMS SUBMISSION

When a Hella product is suspected to be defective, the end-user shall stop using the product and contact the original place of purchase or Hella Australia Pty Ltd (contact details below) and must include the proof of purchase and a description of the defect. The end user shall also promptly provide further information that may be requested with respect to the claim. The credits officer will register the claim, organise pickup of goods and a copy of the claim will be sent to the customer that must be attached to the goods when returned to Hella Australia Pty Ltd head office for assessment.

Upon receipt, the claim will be reviewed and if the warranty claim is found to be valid, the product will be repaired/replaced and returned to the customer or a credit note will be provided.

If the warranty claim is found to be invalid, the customer will be notified and must organise pickup of the original product at their expense within 30 days from the day of notification, after which the product may be scrapped.



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