



BRIEF INFORMATION

DuraLED Flush Mount Marker Lamps

- › Lens made from high impact resistant acrylic
- › Ultra long service life
- › Slim design – thickness of 9 mm

PRODUCT FEATURES

FORVIA HELLA, the world's premier automotive lighting specialist, has upgraded the range of easy-mount DuraLED Marker and Position Lamps with a dual coloured lens featuring a black surround, and a high impact resistant acrylic optical section. This lamp series includes a robust Multivolt circuit with very low power consumption.

Lightweight and easy to install, DuraLED Flush Mount Marker Lamps are UV, chemical, stress and impact resistant. Optional accessories include a marine grade – 316 stainless steel rim and mounting seals.

FURTHER PRODUCT FEATURES

Reverse polarity protection

If the polarity is accidentally reversed, the lamp does not suffer any damage.

Contacts

0.5 m or 2.5 m sealed cable may be selected.

Sealed to withstand high-pressure cleaning

Tested to IP 6K7 and IP 6K9K, this lamp is protected from dust and water ingress under constant immersion.

High vibration resistance

The lamps have been tested to FORVIA HELLA Norm 67101 and meet the requirements for OEM production buses, commercial vehicles and tractors over 6.5 t.



Designed for a Fit and Forget service life

The latest LED technology provides an optimum signal pattern with low power consumption.

LED LIGHTING TECHNOLOGY

As a leading innovator in the field of automotive original equipment, FORVIA HELLA is setting benchmarks:

Extremely low energy consumption

With the combination of efficient light-emitting diodes (LEDs) and precision optics, FORVIA HELLA lamps achieve the statutory light distribution with over 90% less power consumption compared to bulb lamps!

No change of light source, no maintenance and an extremely long operating life due to optimal thermal management

To extend the design life of the lamp, the components are arranged in a way that optimises the temperature conditions, preventing overheating of the LEDs at high ambient temperatures. Competent thermal management maximises design life. The design life of these LED lamps corresponds to that of the vehicle.

INSTALLATION



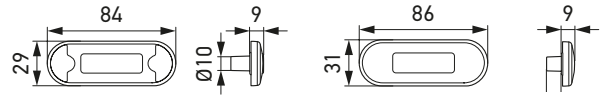
TECHNICAL DETAILS

Technical data

Operating voltage range	Multi-voltage (9 – 33 V)
Rated voltage	12 V and 24 V
Power consumption	0.5 W
Light function	Position light, End-outline marker light, Side marker light
Light source	2 LEDs
Temperature range	-40 °C to +60 °C
Protection class	IP 6K7, IP 6K9K
Approved	ECE-R10, ECE-R7 (Position / End-outline), ECE-R91 (Side marker), ADR / GGVSEB
Protection	Polarity reversal protection
Specification	FORVIA HELLA Norm 67101, class 1.2, 2.2, 3.2, 4.1, 5.1, 6.1, 7.2, 10.2, 11.2
Mounting	Horizontally or vertically (Position / End-outline) Horizontally only (Side marker) Screw connection with 2 screws Ø 5 mm
Connection	0.5 m or 2.5 m cable

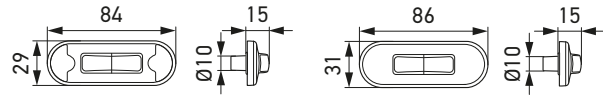
Note: The individual LED lamps may only be operated with a 3 A fuse. Operation of the lamp with AC voltage or synchronised DC voltage is not permitted.

Dimensional sketch



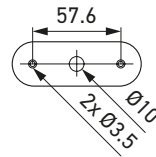
Position / End-Outline Lamp

With optional Stainless Steel rim



Side Marker Lamp

With optional Stainless Steel rim



Hole pattern

APPLICATION EXAMPLES








PROGRAM OVERVIEW

Product picture	Function	Connection	Part number	PU*
	Front Position / End Outline Lamp	0.5 m cable	2PF 980 855-012	1
			2PF 980 855-017	24
		2.5 m cable	2PF 980 855-031	1
			2PF 980 855-037	16
	Side Marker Lamp	0.5 m cable	2PS 980 868-501	1
			2PS 980 868-507	24
		2.5 m cable	2PS 980 868-511	1
			2PS 980 868-517	16
	Rear Position / End Outline Lamp	0.5 m cable	2XA 980 855-302	1
			2XA 980 855-307	24
		2.5 m cable	2XA 980 855-321	1
			2XA 980 855-327	16

* Packaging Unit

ACCESSORIES

Product picture	Function	Part number	PU*
	Polished Stainless Steel Rim	9AR 998 019-001	1
	Curved Gasket	9GD 958 028-001	1
	Rectangular Flat Gasket	9GD 980 867-507	8
	Black Screw Cap	9HD 980 858-008	4
	White Screw Cap	9HD 980 858-018	4

* Packaging Unit