



**BLACKMAGIC
TOUGH PRO**

**FOR
YOU.**





High-boost function for maximum light performance

Slim position light in white and amber
with multiple modes



Housing with electrophoresis coating for
optimised corrosion protection

CLASSY &

TOUGH!



ELECTRO
PHORETIC
COATED

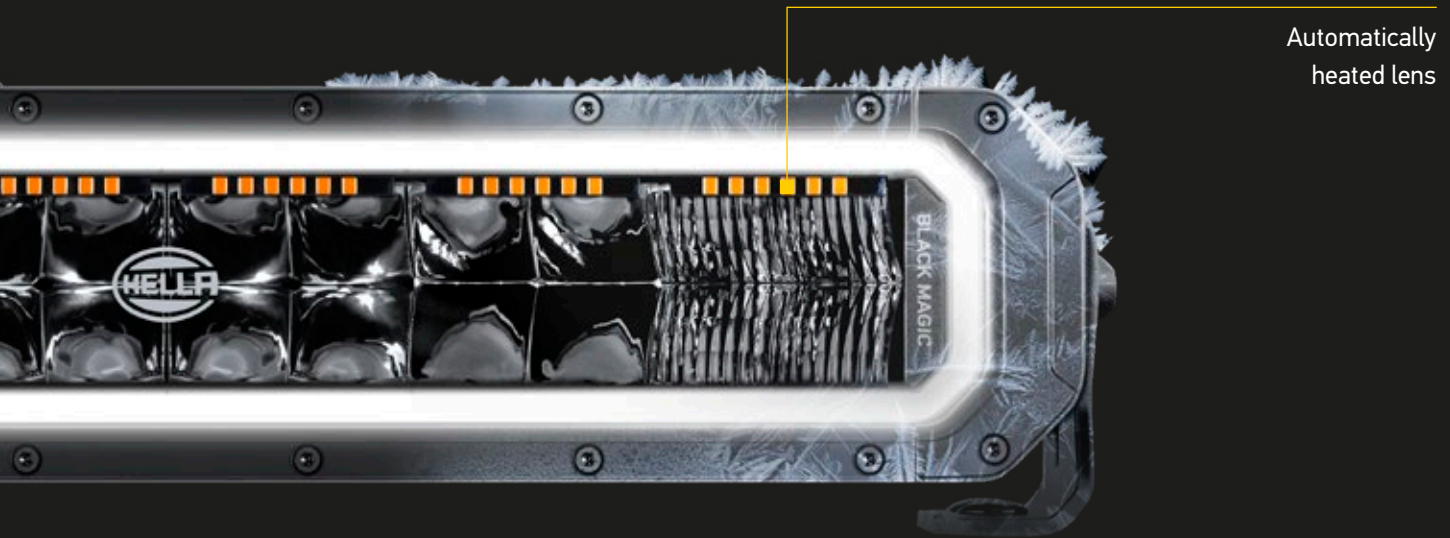
SEE AND BE SEEN – IN ANY AND EVERY ENVIRONMENT

Maximum flexibility for your vehicle: the position light is available in white in accordance with ECE R148 for road traffic or in amber for off-road use. Choose the shape that suits your style best – a striking “O”, a powerful “U” or a dynamic, inverted “U”. The visible light design on the outer frame of the light bar gives your vehicle an impressive centre-stage position and ensures an unmistakable presence on any road or terrain.

For all those who do not wish to leave anything to chance when driving off-road: the powerful light function, with its 10,000 lumens or more even, turns the night into day. Perfect for seeing every single detail of the terrain. (Please note: not approved for use on public roads.)

The corrosion-resistant housing quality of our LED light bars is ensured by means of innovative surface treatment and thus guarantees a particularly long service life – which means that you can count on lasting reliability even under extreme conditions.

COOL & HOT!



Automatically
heated lens

360°
BLACK 

BLACK IS BEAUTIFUL – GOES WITHOUT SAYING.

The resistant and uniform design of the LED light bar is ideal for chiming together in harmony with off-road vehicles and trucks. The black auxiliary high beam headlamp integrates seamlessly into the vehicle design and bestows upon every vehicle a striking and truly aesthetic look. Even the mounting material is styled in black to perfectly complete the flowing, clear-cut design.

The clear cover lens working with powerful reflectors makes for excellent visibility whatever kind of terrain your vehicle is on. Maximised luminous efficiency guarantees a perfect overview of the road at all times – which in turn means more safety and control, even under the toughest conditions.

Clear visibility even in wintry conditions with snow and frost. The heated, sensor-controlled cover lens ensures optimal visibility, even in bad weather, and so enhances the safety factor.

Optional warning flash function





WELCOME

MY LOVE!
LIGHT

Also available completely in white



Circumferential welcome and goodbye light

THAT IS SO FANTASTIC.

Maximum flexibility for your vehicle: the position light is available in white in accordance with ECE R148 for road traffic or in amber for off-road use. Choose the shape that suits your style best – a striking “O”, a powerful “U” or a dynamic, inverted “U”. The visible light design on the outer frame of the light bar gives your vehicle an impressive centre-stage position and ensures an unmistakable presence on any road or terrain.

The individually customisable position light mode introduces new highlights to vehicle design and embellishes the auxiliary lamp with an unmistakable look. This flexible lighting is able to fulfil the most diverse kinds of customer requests and can be perfectly tailored to suit various situations.

The integrated warning lamp, which, depending on the model, has up to 10 different flashing patterns, ramps up visibility and gives vehicles involved in safety-related tasks and also special vehicles that extra helping of protection. It is approved in accordance with ECE R65.

TWO IN ONE

SEEING DOUBLE – ALL-IN-ONE.

High-performance reflectors ensure a powerful high beam and a long-range view, approved in accordance with ECE R149. Depending on the type of illumination required, our LED light bars are available with reference numbers from 20 to 50. The perfect lighting solution for improved visibility and greater safety at night.

For all those who do not wish to leave anything to chance when driving off-road: the powerful high-boost function, with its 10,000 lumens or more even, turns the night into day. Perfect for seeing every single detail of the terrain. (Please note: not approved for use on public roads.)

Always the right size: various designs and lengths.







BLACK MAGIC TOUGH PRO



Rated power	ECE mode: 19 W ^[1] High-boost mode: 35 W	ECE mode: 38 W ^[1] High-boost mode: 69 W ^[1] or 76 W ^[2]	ECE mode: 27 W High-boost mode: 45.4 W	ECE mode: 30.4 W ^[1] High-boost mode: 60.5 W ^[1] or 69 W ^[2]
Light output (calculated)	ECE mode: 2,096 lm ^[1] High-boost mode: 3,223 lm	ECE mode: 4,890 lm ^[1] High-boost mode: 7,520 lm	ECE mode: 2,688 lm High-boost mode: 4,050 lm	ECE mode: 3,584 lm ^[1] High-boost mode: 5,400 lm
Light output (effective)	ECE mode: 1,031 lm ^[1] High-boost mode: 1,920 lm ^[1] or 1,651 lm ^[2]	ECE mode: 3,883 lm ^[1] High-boost mode: 2,200 lm ^[1] or 6,000 lm ^[2]	ECE mode: 1,435 lm High-boost mode: 2,477 lm	ECE mode: 2,044 lm ^[1] High-boost mode: 3,324 lm ^[1] or 3,018 lm ^[2]
Ref. no.	20 ^[1]	37.5 ^[1]	25	30 ^[1]
Light source	9 LEDs, with LED position light (white and amber or red)	21 LEDs, with LED position light (white and amber or red), warning flash function (amber)	12 LEDs, with LED position light (white and amber), warning flash function (amber)	16 LEDs, with LED position light (white and amber or red), warning flash function (amber)
Material	Housing: aluminium with electrophoresis coating	Housing: aluminium with electrophoresis coating	Housing: aluminium with electrophoresis coating ^[A] White version: passivation of the housing	Housing: aluminium with electrophoresis coating
Approved	ECE R10, position light, white and red; ECE R148, high beam; ECE R149	ECE R10, position light, white and red; ECE R148, high beam; ECE R149, warning flash function; ECE R65	ECE R10, position light, white; ECE R148, high beam; ECE R149, warning flash function; ECE R65	ECE R10, position light, white and red; ECE R148, high beam; ECE R149, warning flash function; ECE R65
EMC (warning flash function)		CISPR 25 Class 3	CISPR 25 Class 3	CISPR 25 Class 3
Connection	ATP connector with 1,500 mm cable***	ATP connector with 1,500 mm cable***	ATP connector with 1,500 mm cable***	ATP connector with 1,500 mm cable***
Scope of delivery	1 x light bar with 1,500 mm cable (with connection option to the relevant control box), 2 x side brackets, 2 x rear brackets, mounting material, 1 x 500 mm cable with open ends			

Dimensional sketch	1	2	3	4
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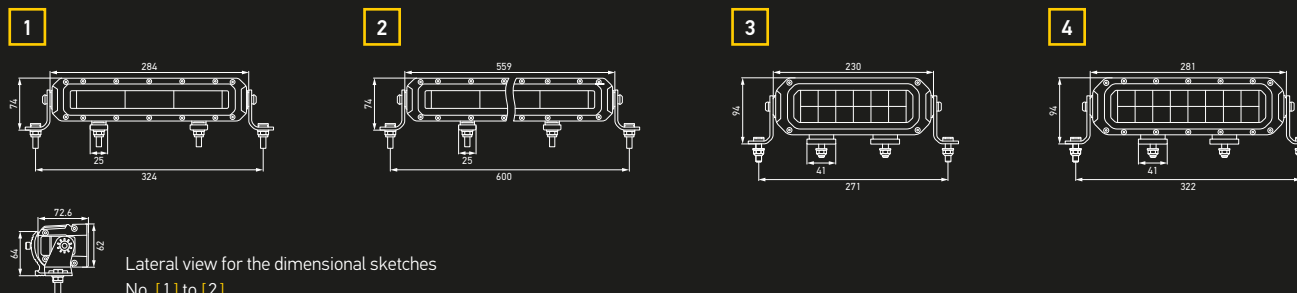
High-boost mode	11" Single Row Lightbar Position light, white and amber High beam 1FG 358 550-201 ^[1]	22" Single Row Lightbar Position light, white and amber High beam 1FJ 358 550-211 ^[1]	9" Double Row Lightbar Position light, white and amber High beam 1FE 358 550-001 High beam, white housing ^[A] 1FE 358 550-011 High beam, warning flash function 1FE 358 550-021	11" Double Row Lightbar Position light, white and amber High beam 1FG 358 550-031 ^[1] High beam, warning flash function 1FG 358 550-041 ^[1]
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ONLY OFFROAD

Position light, red
Flood Light
1GG 358 550-221^[2]

Position light, red
Floodlight, warning flash function
1GJ 358 550-231^[2]

Position light, red
Floodlight, warning flash function
1GG 358 550-151^[2]



* Ambient temperature | ** Storage temperature | *** With connection option to the relevant control box (accessory), plus optional 500 mm cable with open ends



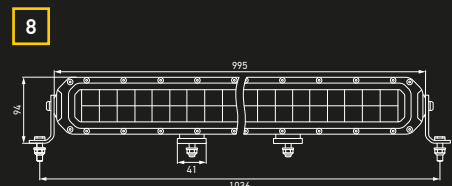
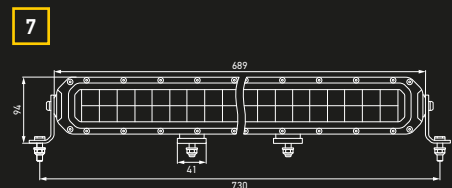
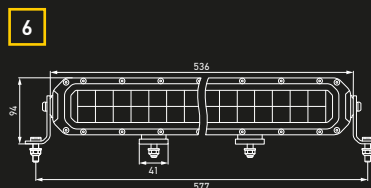
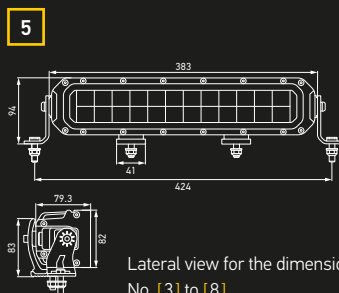
Rated power	ECE mode: 44 W ⁽¹⁾ or 41 W ⁽²⁾ High-boost mode: 95 W ⁽¹⁾ , 68 W ⁽²⁾ or 93 W ⁽³⁾	ECE mode: 76 W High-boost mode: 140 W	ECE mode: 116 W High-boost mode: 187 W	ECE mode: 138 W High-boost mode: 278 W
Light output (calculated)	ECE mode: 5,376 lm ^(1,2) High-boost mode: 7,800 lm	ECE mode: 8,720 lm High-boost mode: 13,513 lm	ECE mode: 10,465 lm High-boost mode: 16,216 lm	ECE mode: 15,700 lm High-boost mode: 24,300 lm
Light output (effective)	ECE mode: 2,282 lm ⁽¹⁾ or 2,100 lm ⁽²⁾ High-boost mode: 4,982 lm ⁽¹⁾ , 4,800 lm ⁽²⁾ or 4,233 lm ⁽³⁾	ECE mode: 4,000 lm ⁽¹⁾ or 3,800 lm ⁽²⁾ High-boost mode: 7,250 lm ⁽¹⁾ or 7,000 lm ⁽²⁾	ECE mode: 5,545 lm High-boost mode: 8,930 lm	ECE mode: 6,100 lm High-boost mode: 12,410 lm
Ref. no.	40	45	50	50
Light source	24 LEDs, with LED position light (white and amber or red), warning flash function (amber)	40 LEDs, with LED position light (white and amber), warning flash function (amber)	48 LEDs, with LED position light (white and amber), warning flash function (amber)	72 LEDs, with LED position light (white and amber), warning flash function (amber)
Material	Housing: aluminium with electrophoresis coating ^(A) White version: passivation of the housing	Housing: aluminium with electrophoresis coating ^(A) White version: passivation of the housing	Housing: aluminium with electrophoresis coating	Housing: aluminium with electrophoresis coating
Approved	ECE R10, position light, white and red: ECE R148, high beam: ECE R149, warning flash function: ECE R65	ECE R10, position light, white: ECE R148, high beam: ECE R149, warning flash function: ECE R65	ECE R10, position light, white: ECE R148, high beam: ECE R149, warning flash function: ECE R65	ECE R10, position light, white: ECE R148, high beam: ECE R149, warning flash function: ECE R65
EMC (warning flash function)	CISPR 25 Class 3	CISPR 25 Class 3	CISPR 25 Class 3	CISPR 25 Class 3
Connection	ATP connector with 1,500 mm cable***	ATP connector with 1,500 mm cable***	ATP connector with 1,500 mm cable***	ATP connector with 1,500 mm cable***
Scope of delivery		1 x light bar with 1,500 mm cable (with connection option to the relevant control box), 2 x side brackets, mounting material, 1 x 500 mm cable with open ends		
Dimensional sketch	2 x rear brackets 5	2 x rear brackets 6	4 x rear brackets 7	4 x rear brackets 8

High-boost mode	15" Double Row Lightbar Position light, white and amber High beam 1FJ 358 550-051⁽¹⁾ High beam, white housing ^(A) 1FJ 358 550-061⁽¹⁾ High beam, warning flash function 1FJ 358 550-071⁽¹⁾ High beam, warning flash function, heated cover lens 1FJ 358 550-301⁽²⁾	21" Double Row Lightbar Position light, white and amber High beam 1FJ 358 550-081⁽¹⁾ High beam, white housing ^(A) 1FJ 358 550-091⁽¹⁾ High beam, warning flash function 1FJ 358 550-101⁽¹⁾ High beam, warning flash function, heated cover lens 1FJ 358 550-311⁽²⁾	27" Double Row Lightbar Position light, white and amber High beam 1FJ 358 550-111 High beam, warning flash function 1FJ 358 550-121	39" Double Row Lightbar Position light, white and amber High beam 1FJ 358 550-131 High beam, warning flash function 1FJ 358 550-141
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ONLY OFFROAD

Position light, red

Floodlight, warning flash
function, heated
cover lens
16J 358 550-321⁽³⁾

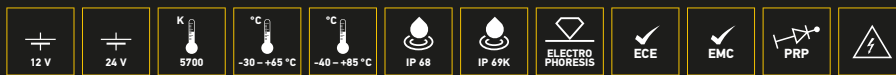


Lateral view for the dimensional sketches
No. [3] to [8].

The AMBER position light does not have ECE approval: use may be limited to off-road areas away from public roads in accordance with local regulations (see mounting instructions). Before connecting the hazard warning flash function, please check whether you are belong to one of the groups who are authorised to use hazard warning flashers in the installed direction in accordance with local legislation.

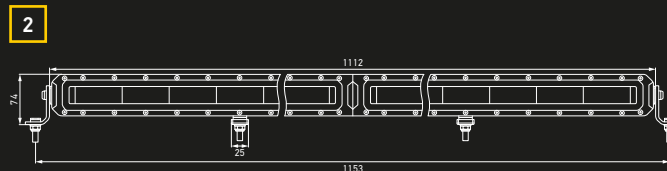
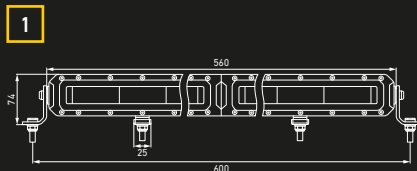


THE NEW DOUBLE LAMP: BLACK MAGIC TOUGH PRO TWIN

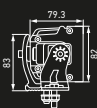
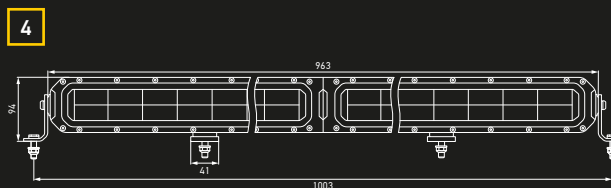
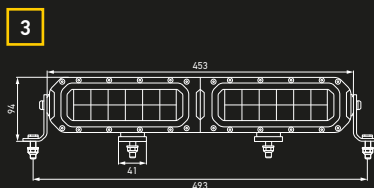


Rated power	ECE mode: 34 W High-boost mode: 68 W	ECE mode: 95.6 W High-boost mode: 192 W	ECE mode: 39 W High-boost mode: 94 W	ECE mode: 127 W High-boost mode: 275 W
Light output (calculated)	ECE mode: 4,100 lm High-boost mode: 6,500 lm	ECE mode: 9,780 lm High-boost mode: 15,040 lm	ECE mode: 4,750 lm High-boost mode: 7,850 lm	ECE mode: 9,850 lm High-boost mode: 16,250 lm
Light output (effective)	ECE mode: 1,537 lm High-boost mode: 3,020 lm	ECE mode: 7,820 lm High-boost mode: 12,000 lm	ECE mode: 1,800 lm High-boost mode: 4,400 lm	ECE mode: 4,660 lm High-boost mode: 10,515 lm
Ref. no.	40	50	40	50
Light source	18 LEDs, with LED position light (white and amber)	42 LEDs, with LED position light (white and amber)	24 LEDs, with LED position light (white and amber)	64 LEDs, with LED position light (white and amber)
Design	2 auxiliary lamps in 1 housing	2 auxiliary lamps in 1 housing	2 auxiliary lamps in 1 housing	2 auxiliary lamps in 1 housing
Material	Housing: aluminium with electrophoresis coating	Housing: aluminium with electrophoresis coating	Housing: aluminium with electrophoresis coating	Housing: aluminium with electrophoresis coating
Approved	ECE R10, position light, white: ECE R148, high beam: ECE R149	ECE R10, position light, white: ECE R148, high beam: ECE R149	ECE R10, position light, white: ECE R148, high beam: ECE R149	ECE R10, position light, white: ECE R148, high beam: ECE R149
Connection	ATP connector with 1,500 mm cable***	ATP connector with 1,500 mm cable***	ATP connector with 1,500 mm cable***	ATP connector with 1,500 mm cable***
Scope of delivery	1 x light bar with 1,500 mm cable (with connection option to the relevant control box), 2 x side brackets, mounting material, 1 x 500 mm cable with open ends			
Dimensional sketch	2 x rear brackets 1	2 x rear brackets 2	2 x rear brackets 3	4 x rear brackets 4

High-boost mode	22" Single Twin Lightbar Position light, white and amber High beam 1FJ 358 550-401	44" Single Twin Lightbar Position light, white and amber High beam 1FJ 358 550-411	18" Double Twin Lightbar Position light, white and amber High beam 1FJ 358 550-421	38" Double Twin Lightbar Position light, white and amber High beam 1FJ 358 550-431
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Lateral view for dimensional sketches No. [1] to [2].



Lateral view for dimensional sketches No. [3] to [4].

The AMBER position light does not have ECE approval: use may be limited to off-road areas away from public roads in accordance with local regulations (see mounting instructions).

* Ambient temperature | ** Storage temperature | *** With connection option to the relevant control box (accessory), plus optional 500 mm cable with open ends



ECE-R149

ECE R149

ROAD OR OFF-ROAD?

FROM TARMAC TO OFF-ROAD – LIGHT BARS FOR EVERY AREA OF USE

The HELLA Black Magic series offers customised lighting solutions for every kind of challenge – off-road and on the highway. The robust light bars are designed for extreme off-road use, while the variants with ECE road approval guarantee maximum safety on public roads. With its powerful light, robust design and state-of-the-art technology, the Black Magic series is the ideal companion for all those who do not wish to make any compromises when driving in the dark.



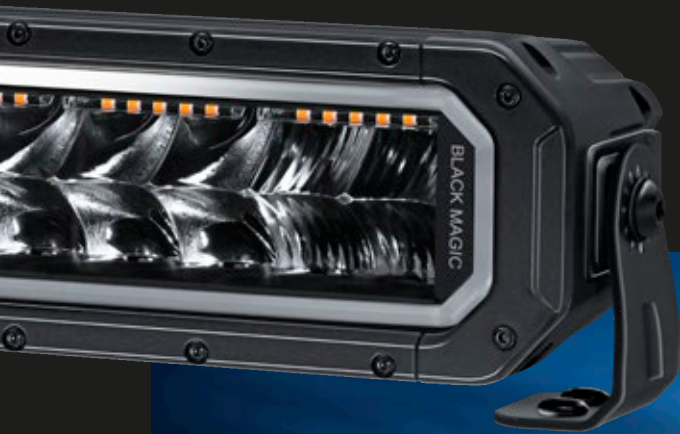
BLACK MAGIC TOUGH PRO
Auxiliary lamps

ECE-R149



IDEAS AND INSPIRATIONS





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