



To the product video

BRIEF INFORMATION

Power Beam S-series

- › Halogen replacement series
- › Longer life and higher efficiency compared to halogen
- › Low weight and high corrosion resistance thanks to plastic material

PRODUCT FEATURES

The new S-series complements FORVIA HELLA's proven Power Beam range. The high-quality rectangular Power Beam S-series work lamps are characterised by an excellent price-performance ratio. They are suitable for use in a wide variety of applications outside of road traffic. The work lamps can be used for upgrading or retrofitting forklifts, trucks and trailers as well as for agricultural machinery, construction machinery, municipal vehicles and other special vehicles. With their slim and universal design, they also make the switch from halogen to LED technology particularly easy: the S-series can replace existing halogen devices one-to-one.

The LED work lamps score points with an excellent lumen/watt output, i.e. high efficiency, as well as a long service life. This is based in reliable protection against overheating: the new, efficient design of the cooling fins ensures better heat dissipation, while the integrated thermal management automatically dims the work lamps as soon as a temperature between +50 °C and +85 °C is reached.

The homogeneous illumination with a light colour similar to daylight is particularly pleasing to the eye. The colour temperature is 6,500 kelvin. The housing and the cover lens of the work lamps are made of special plastics that are highly resistant to corrosion and very lightweight at the same time.

The Power Beam S-series is produced in accordance with the latest technological standards and meets the highest EMC requirements.

With the Black Edition, the Power Beam S-series is also available in an appealing black design to match modern, attractive vehicle designs.

TECHNICAL DETAILS

Technical data			
Variant	I	II	III
Operating voltage range	Multi-voltage (9–32 V)		
Rated voltage	12 V and 24 V		
Current consumption	12 V: Ø0.85 A ^[1] 24 V: Ø0.41 A ^[2]	12 V: Ø1.29 A ^[1] 24 V: Ø0.61 A ^[2]	12 V: Ø 1.815 A ^[1] 24 V: Ø 0.88 A ^[2]
Power consumption	12 V: Ø11.2 W ^[1] 24 V: Ø11.6 W ^[2]	12 V: Ø17 W ^[1] 24 V: Ø17 W ^[2]	12 V: Ø 22 W ^[1] 24 V: Ø 22 W ^[2]
Light output (warm)	Ø1,150 lm ^[3]	Ø1,850 lm ^[3]	Ø 2,150 lm ^[3]
Light source	LED		
Colour temperature	6,500 K ^[4]		
Material	Housing: heat-conductive plastic Cover lens: impact-resistant plastic Bracket: plastic (Black Edition)		
Weight	393 g	397 g	397 g
Temperature range	-40 °C to +85 °C (overheating protection)		
Protection class	IP 6K7, IP 6K9K		
Approved	ECE-R10, ADR/GGVSEB		
Compliant	RCM, CISPR 25 Class 5 (12 V) and Class 4 (24 V)		
Protection	Polarity reversal protection, overvoltage protection		
Mounting	Upright and pendant mounting		
Connection	DEUTSCH DT connector, 2-pin		

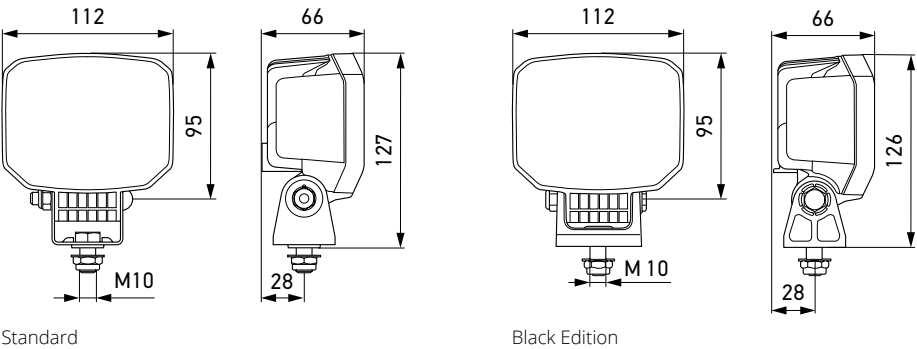
^[1] Warm measured at 13.2 V after 30 minutes of operation.

^[2] Warm measured at 28 V after 30 minutes of operation.

^[3] Further lumen variants available on request.

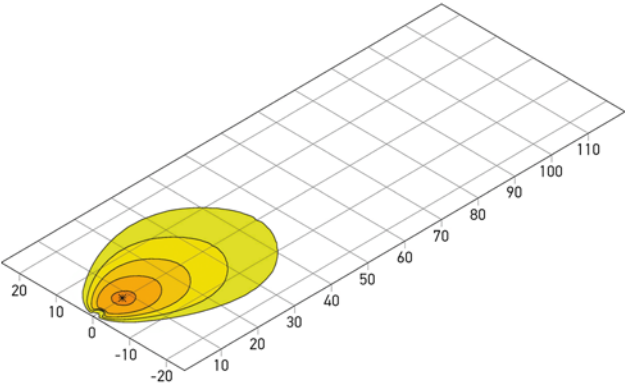
^[4] 5,000 K variants available on request.

Dimensional sketch

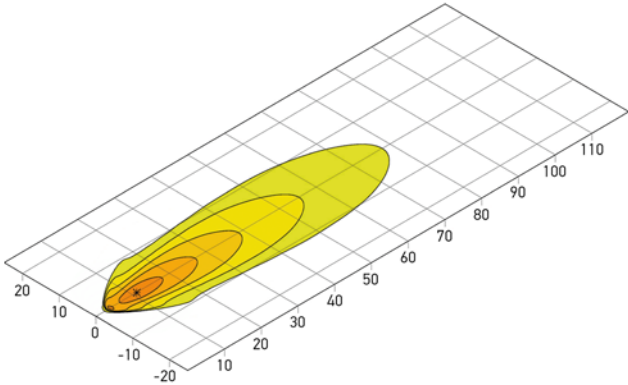


LIGHT DISTRIBUTION

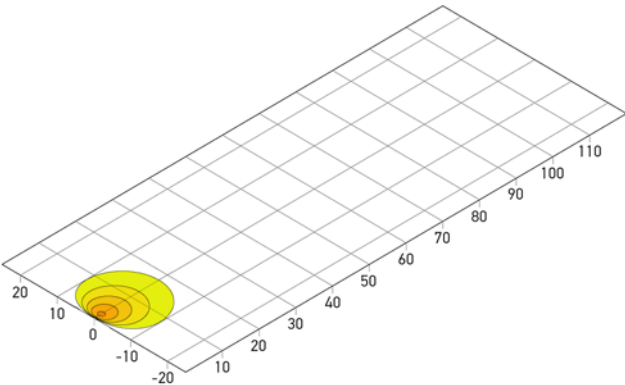
Variant I



Close-range illumination

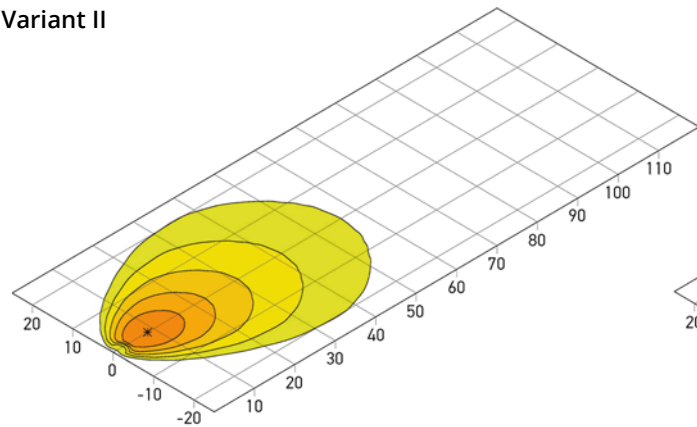


Long-range illumination

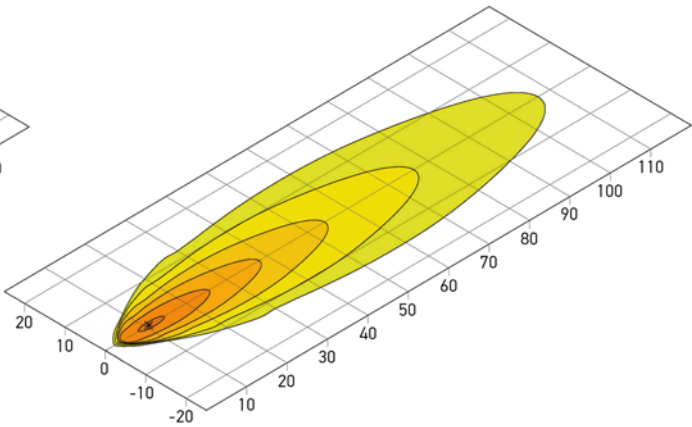


Diffuse flood illumination

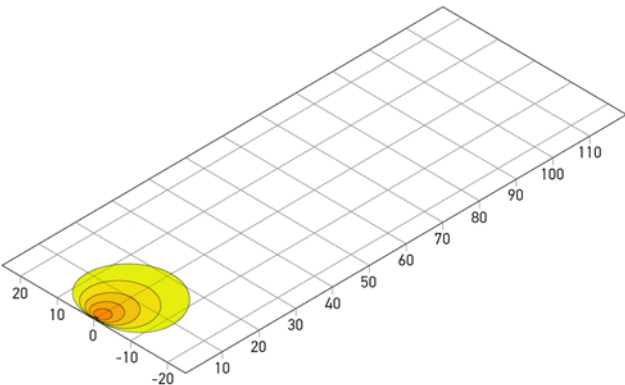
Variant II



Close-range illumination



Long-range illumination



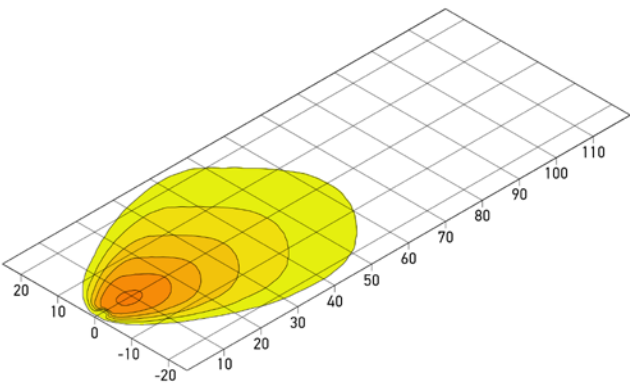
Diffuse flood illumination

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

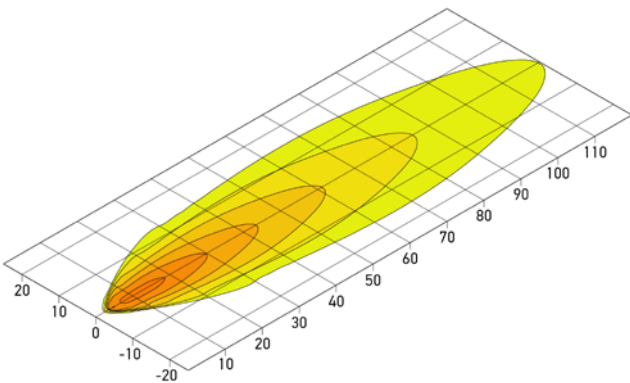
Mounting position: 2.5 m high at -8° (close-range illumination) or -3° (long-range illumination and diffuse flood illumination)

LIGHT DISTRIBUTION

Variant III



Close-range illumination



Long-range illumination

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

Mounting position: 2.5 m high at -8° (close-range illumination) or -3° (long-range illumination)

PROGRAM OVERVIEW

Product picture	Variant	Illumination	Part number
	I – Standard	Close-range illumination	1GA 996 588-001
		Long-range illumination	1GA 996 588-011
		Diffuse flood illumination	1GA 996 588-041
	II – Standard	Close-range illumination	1GA 996 588-201
		Long-range illumination	1GA 996 588-211
		Diffuse flood illumination	1GA 996 588-271
	III – Standard	Close-range illumination	1GA 996 688-001
		Long-range illumination	1GA 996 688-011
	I – Black Edition	Close-range illumination	1GA 996 588-081
		Long-range illumination	1GA 996 588-091
	II – Black Edition	Close-range illumination	1GA 996 588-401
		Long-range illumination	1GA 996 588-411
	III – Black Edition	Close-range illumination	1GA 996 688-401
		Long-range illumination	1GA 996 688-411

ACCESSORIES

Product picture	Description	Part number
	2,000 mm cable with DEUTSCH DT connector	8KB 990 299-071
	Rubber cap	9GH 990 316-041