



To the product video

BRIEF INFORMATION

Module 90 S-series

- › Halogen replacement series (1,850 lm) and premium LED work lamp series (4,500 lm)
- › Longer service life and higher efficiency compared to halogen
- › Low weight and high corrosion resistance thanks to high-quality materials and coatings

PRODUCT FEATURES

With the S-series, FORVIA HELLA is launching new LED work lamps from the Module 90 series that offer a high light output with a practical design. The Module 90 S-series from FORVIA HELLA combines innovative LED technology with excellent value for money. Thanks to their compact dimensions, the flush-mounted work lamps can be used universally and existing halogen lamps can be quickly and easily converted to powerful LED technology.

In addition, the Module 90 S-series work lamps impress with 1,850 lumens (variant II) – or as premium LED work lamps with a high light output of 4,500 lumens (variant IV). The excellent lumen/watt performance achieves a high efficiency compared to halogen devices.

The lamps' new, efficient cooling fin design with better heat dissipation ensures a long service life. The particularly effective integrated thermal management protects the lamp with automatic dimming against the threat of overheating between +50 °C and +85 °C.

Weight reduction and high corrosion resistance are ensured in the variant II by the housing and cover lenses made of special plastic. The powerful variant IV is equipped with a high-quality die-cast aluminium housing: corrosion protection is achieved through the surface coatings.

Produced according to the latest technological standards, the work lamps meet the highest EMC requirements.

TECHNICAL DETAILS

Technical data

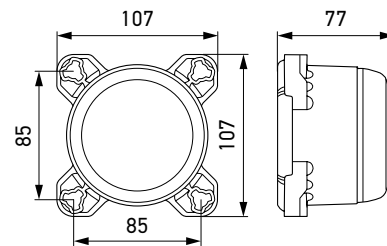
Variant	II	IV
Operating voltage range	Multi-voltage (9–32 V)	
Rated voltage	12 V and 24 V	
Current consumption	12 V: Ø1.29 A* 24 V: Ø0.61 A**	12 V: Ø2.87 A* 24 V: Ø1.3 A**
Power consumption	12 V: Ø17 W* 24 V: Ø17 W**	12 V: Ø38 W* 24 V: Ø36.5 W**
Light output (warm)	Ø1,850 lm	Ø 4,500 lm
Light source	LED	
Colour temperature	6,500 K***	
Material	Housing: plastic	Housing: die-cast aluminium
	Cover lens: plastic	
Weight	256 g	575 g
Temperature range	-40 °C to +85 °C (overheating protection)	
Protection class	IP 6K7, IP 6K9K	
Approved	ECE-R10	
Compliant	RCM, CISPR 25 Class 5	
Protection	Polarity reversal protection, overvoltage protection	
Mounting	Flush mounting	
Connection	DEUTSCH DT connector, 2-pin	

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

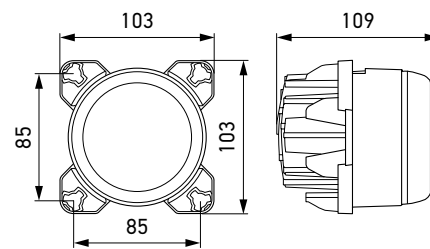
** Warm measured at 28 V after 30 minutes of operation.

*** 5,000 K variants available on request.

Dimensional sketch



Variant II



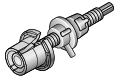
Variant IV

PROGRAM OVERVIEW

Product picture	Variant	Illumination	Part number
	II	Close-range illumination	1G0 996 463-001
		Long-range illumination	1G0 996 463-011
	IV	Close-range illumination	1G0 996 463-401
		Long-range illumination	1G0 996 463-411

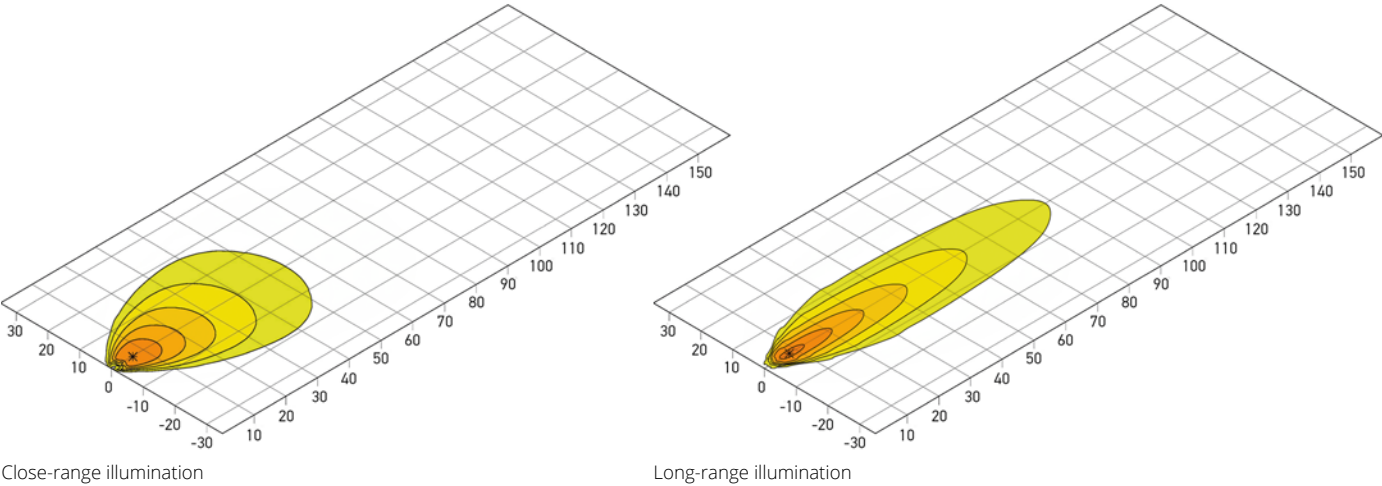
* Packaging unit

ACCESSORIES

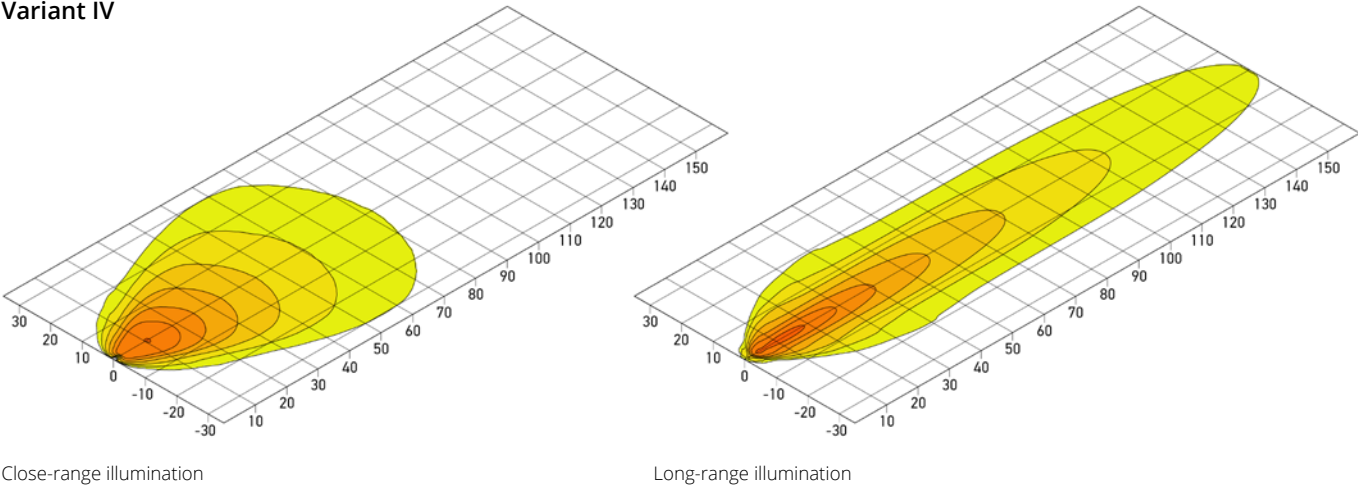
Product picture	Description	Part number
	Adjusting screw group: 3x ball screw, 3x thread fitting, 3x joint piece	9NS 254 242-091
	2,000 mm cable with DEUTSCH DT connector	8KB 990 299-071
	Rubber cap	9GH 990 316-041

LIGHT DISTRIBUTION

Variant II



Variant IV



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)