



To the product video

## BRIEF INFORMATION

### 90 mm LED module R 80

- › Specially developed reflector design for homogeneous illumination
- › Compact and robust design
- › Enables cost-effective replacement of halogen to LED headlamps

## PRODUCT FEATURES

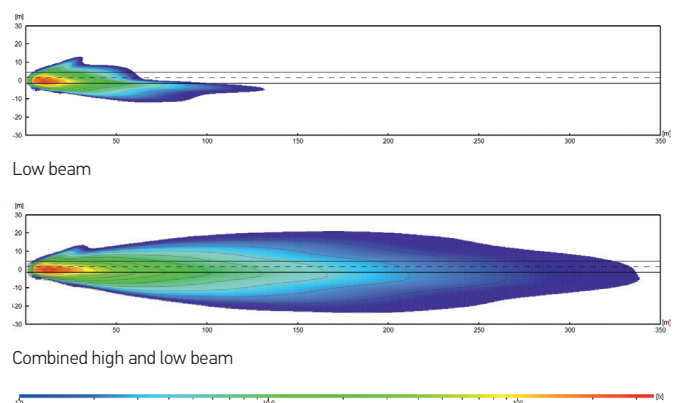
The new R 80 modules combine the advantages of LED lighting with a cost-efficient design and can be used for a wide variety of vehicle types. The modules for conversions from halogen to LED are particularly interesting.

The R 80 has an innovative reflector design that provides a particularly homogeneous illumination that neither distracts nor tires the driver. The LED lighting also increases safety, especially in comparison to halogen headlights. Thanks to the high colour temperature of the LEDs, the illumination appears more like daylight and the driver sees much better and does not tire so quickly. Driving comfort increases.

The R 80 LED headlamps offer a long, maintenance-free service life and reduce operating costs compared to conventional halogen products, even in vehicles with low usage.

The robust design with aluminium heat sink and impact-resistant polycarbonate lens allows for the use in harsh environments and under maximum demands.

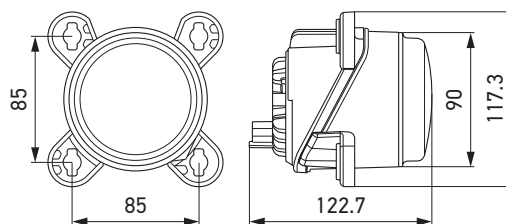
## LIGHT DISTRIBUTION





# TECHNICAL DETAILS

Technical data	
Operating voltage range	Multi-voltage (9 – 32 V)
Rated voltage	12 V and 24 V
Light function	Low beam and high beam
Light source	LED
Material	Cover lens: polycarbonate Housing: plastic Reflector: plastic Heat sink: aluminium
Weight	445 g
Temperature range	-40°C to +60°C
Protection class	IP X9K, IP X4K, IP 5KX
Approved	ECE-R112, ECE-R149 Class B, FMVSS 108
Compliant	CISPR 25 class 4
Protection	Polarity reversal protection
Salt spray resistance	480 h acc. to DIN EN ISO 9227
Specification	HELLA Standard 67101: Class 3.2 / 4.1 / 7.2 / 10.2 / 11.2 / 12.1 / 13.2
Connection	DEUTSCH DT 2-pin connector or FEP 2-pin connector.

## Dimensional sketch



# PROGRAM OVERVIEW

Product image	Description	Male	Part number
<b>LED dipped beam headlight R 80*</b>			
	Right-hand traffic, ECE	DEUTSCH DT connector	<b>1B0 015 050-001</b>
	Right-hand traffic, SAE	DEUTSCH DT connector	<b>1B0 015 050-031</b>
	Left-hand traffic, ECE	DEUTSCH DT connector	<b>1M0 015 050-011</b>
	Right-hand traffic, ECE	FEP connector	<b>1B0 015 050-101</b>
	Right-hand traffic, SAE	FEP connector	<b>1B0 015 050-131</b>
	Left-hand traffic, ECE	FEP connector	<b>1M0 015 050-111</b>
<b>LED spotlight R 80*</b>			
	-	DEUTSCH DT connector	<b>1K0 015 050-021</b>
	-	FEP connector	<b>1K0 015 050-121</b>

\* Mounting set 254 163-00 not included.