BRIEF INFORMATION
LED fog lamp R80

> Compact and robust 90 mm design with LED-reflector-technology
> Homogeneous and wide illumination
> Convincing price performance ratio
> Easy upgrade from halogen to LED

PRODUCT FEATURES

The R80 LED fog lamp represents practical design, combined with performance and durability. Featuring a compact 90 mm design with LED reflector-technology, this fog lamp provides a wide and homogeneous light distribution, enhancing visibility under difficult and foggy weather conditions. Its robust design includes a sturdy plastic housing and a resilient polycarbonate lens, ensuring longevity and reliability.

This LED fog lamp is suitable for a seamless transition from halogen to LED, including all adjustment elements and a carrier frame for easy and quick mounting. It combines performance and cost efficiency and operates across a broad voltage range (9–32 V). Accommodating both 12 V and 24 V systems, this fog lamp is versatile for various vehicle installations.

Rated with an IP 5K9K and IP 5K4K protection class, the R80 LED fog lamp is built to withstand severe environmental conditions including dust, high pressure, and temperature extremes ranging from -40 °C to +60 °C. Its excellent vibration resistance makes it ideal for use in demanding applications such as buses and caravans. It is also well-suited for harsh environments, including construction machinery and agricultural vehicles.

The lamp is compliant with ECE/SAE standards and has as well the CCC certification. It is designed for flush mounting and can be connected using either FEP or DEUTSCH DT connectors, ensuring easy integration and upgrade from former halogen lamps to LED.
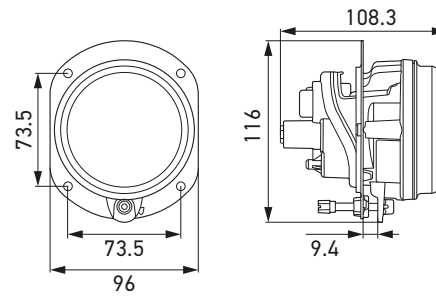
TECHNICAL DETAILS

Technical data

Operating voltage range	Multi-voltage (9 – 32 V)
Rated voltage	12 V or 24 V
Current consumption	12 V: Ø 3 A* 24 V: Ø 3 A**
Power consumption	12 V: Ø 8.1 W* 24 V: Ø 8.7 W**
Light function	Front fog lamp
Light source	LED
Material	Housing: PC + ABS, black Cover lens: PC transparent
Weight	346 g
Temperature range	-40 °C to +60 °C
Protection class	IP 5K9K, IP 5K4K
Approved	SAE J583, ECE-R149.01 CCC GB 4660-2017 INDIA AIS-012 (part 1) 2014
Compliant	ECE-R10.06, CISPR Class 5
Mounting	With carrier frame (front and back mounting)
Connection	DEUTSCH DT 2-pin connector or FEP 2-pin connector
Recommended angle of inclination	4°

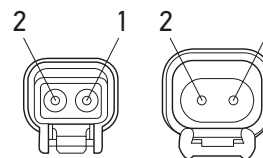*   Warm measured at 13.2 V after 30 minutes in operation.
** Warm measured at 28 V after 30 minutes in operation.

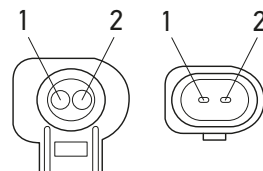## Dimensional sketch

Pin assignment

DEUTSCH DT connector

Pin 1: Ground
Pin 2: Fog light

View connector wire side and
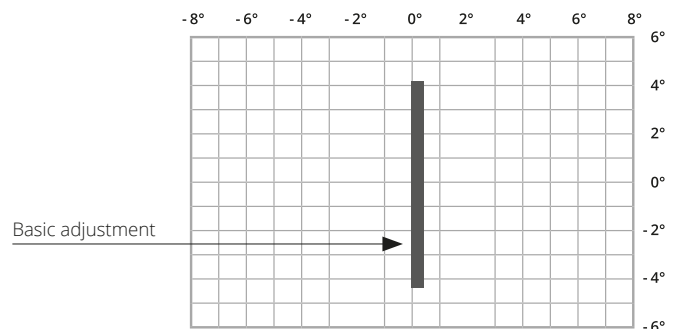connector housing

FEP connector

Pin 1: Fog light
Pin 2: Ground

View connector wire side and
connector housing

Adjustment range

Basic adjustment

PROGRAM OVERVIEW

Product picture	Type of mounting	Voltage	Connection	Variant	Part number
	Screws mounting from the back and front	9–32 V	DEUTSCH DT connector		**1N0 017 050-001**
				ECE/SAE	
			FEP connector		**1N0 017 050-101**

ACCESSORIES

Product picture	Description	Part number	PU
LED surplus supply: FEP connector, 2-pin			
	Set packaging for 2-pin	**8JD 162 211-801**	20
	Flat contact	**8KW 863 933-013**	50
	Single conductor insulation (0.35–0.5 mm²)	**9GD 863 952-022**	50
	Single conductor insulation (0.75 mm²)	**9GD 863 952-012**	50
LED surplus supply: DEUTSCH DT connector			
	Set packaging for 2-pin	**8JA 990 295-127**	10
	Housing, 2-pin	**8JA 201 022-022**	10
	Locking / wedge lock	**9NB 201 024-022**	10
	Contact sleeve (0.5–1.5 mm²)	**8KW 201 025-112**	50