



## BRIEF INFORMATION

### DuraLED Heavy Duty Marker Lamp with DT-connector

- Ease of installation: Plug & Play
- High impact resistant lens made from Grilamid
- Ultra long service life
- Surface mount

## PRODUCT FEATURES

As the newest addition to HELLA's iconic DuraLED Marker Lamp range, the new plug-in marker lamps offer quality and reliability in 3 easy installation steps: Choose your preferred wire, install the DEUTSCH DT-connector and simply plug the lamp in. For added security the extra-long socket features a rounded profile to complete the sealing with heat shrink tubing.

The ultra-durable marker lamps are fully Multivolt for optimum brightness on 12 and 24 Volt systems and come in a complete set of functions with matching front, rear and side marker lamps for a consistent look to your vehicle or trailer.

True to HELLA's uncompromising quality standard these heavy duty marker lamps feature lenses made from Grilamid, the highly respected performance polyamide invented and manufactured in Switzerland.

The revolutionary transparent plastic offers an unbeatable combination of properties including toughness against impact, long term UV stability and resistance to commonly used chemicals and washes.

## WEITERE PRODUCT FEATURES

### Reverse polarity protection

If the polarity is accidentally reversed, the light does not suffer any damage.

### Contacts

DEUTSCH DT-connector

### Protection Class

Tested to IP 6K7 and IP 6K9K, this light is protected from dust and water ingress under constant immersion.

### High vibration resistance

The lights have been tested to HELLA standard 67101 and meet the requirements for OEM production buses, commercial vehicles and tractors over 6.5 t.

**Hermetically sealed lamps by HELLA are maintenance free and reliable.**

## LED-LIGHTING TECHNOLOGY

As a leading innovator in the field of automotive original equipment, HELLA is setting benchmarks:

### Extremely low energy consumption

With the combination of efficient light-emitting diodes (LEDs) and precision optics, HELLA lights achieve the statutory light distribution with over 90 % less power consumption compared to bulb lamps!

### High visibility from all angles

The lens design ensures a wide spread of light and increased visibility, especially when compared against other marker lamps at acute angles.

## PRODUCT IMAGES



Front Position / End Outline Lamp  
Optic appears clear until illuminated.



Supplementary Side Direction Indicator Lamp  
Optic appears clear until illuminated.



Front view



Side view

Sidemarkers  
Optic appears clear until illuminated.



Rear Position / End Outline Lamp  
Optic appears clear until illuminated.



# TECHNICAL DETAILS

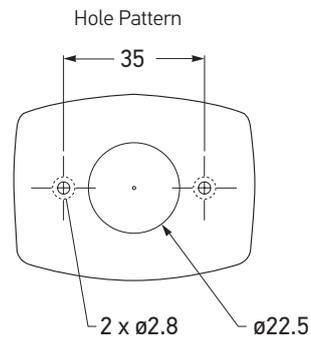
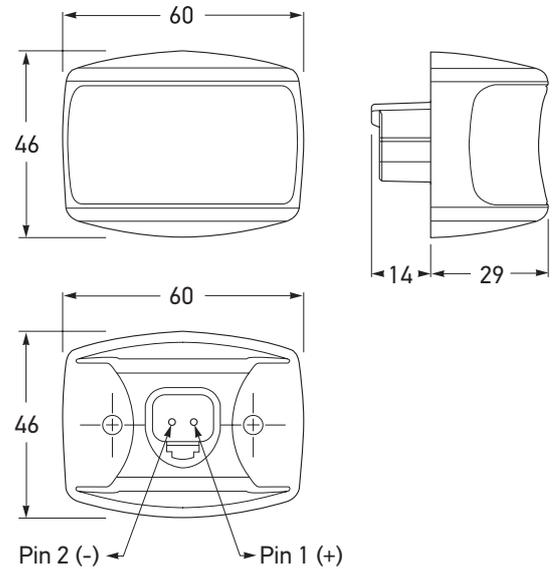
## Technical Data

Type approval	ECE 
Operating voltage	Multivolt 9 – 33 V
EMC approval	ECE-10R-05  3195
Functions	Supplementary Side Direction Indicator Lamp (Cat. 5) Sidemarker (Cat. SM1) Front Position / End Outline Rear Position / End Outline
Mounting	Horizontally
Number of LEDs	2
Power consumption	< 1 W
Operating temperature	-40°C to +60°C
Protection class	IP 6K7, IP 6K9K
Contacts	DEUTSCH DT-connector
Installation	Screw connection with 2 screws $\varnothing$ 4 mm
Spezifikationen	HELLA standard 67101 Class 1.2, 2.2, 3.2, 4.1, 5.1, 6.1, 7.2, 10.2, 11.2
Design life	Design life of the vehicle*

\* Dependent upon the operating temperature.

Note: The individual LED lights may only be operated with a 3 A fuse. Operation of the light with AC voltage or synchronised DC voltage is not permitted.

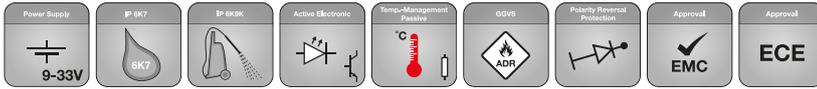
## Technical drawing



# APPLICATION EXAMPLES



# RANGE OVERVIEW



Product Image	Function	ECE Approval Number	Part Number	Packaging Unit
	Front Position / End Outline Lamp	A 02 <sup>(E24)</sup> 5892 10 R-05 <sup>(E4)</sup> 3195	2PF 980 990-221	1
			2PF 980 990-227	8
	Sidemarker (Cat. SM1)	5M1 00 <sup>(E24)</sup> 5892 10 R-05 <sup>(E4)</sup> 3195	2PS 980 990-301	1
			2PS 980 990-307	8
	Supplementary Side Direction Indicator Lamp (Cat. 5)	5 01 <sup>(E24)</sup> 0067 10 R-05 <sup>(E4)</sup> 3195	2BM 980 990-121	1
			2BM 980 990-127	8
	Rear Position / End Outline Lamp	R1 02 <sup>(E24)</sup> 5892 10 R-05 <sup>(E4)</sup> 3195	2XS 980 990-621	1
			2XS 980 990-627	8

## Accessories / Spare Parts

Product Image	Function	Part Number	Packaging Unit
	Schwarzes Gehäuse	9BG 980 996-002	1
	Weißes Gehäuse	9BG 980 996-102	1