

## BRIEF INFORMATION

### DuraLED Flush Mount Marker Lamps

- › High impact resistant lens made from Grilamid
- › Ultra long service life
- › Slim design – thickness of 9 mm

## PRODUCT FEATURES

FORVIA HELLA, the world's premier automotive lighting specialist, has launched a new range of easy-mount DuraLED Marker and Position Lamps, featuring a lens made from a revolutionary, highly UV stable, ultra-durable Grilamid optical nylon. This lamp series includes a robust Multivolt circuit with very low power consumption.

The use of the Swiss Made high tech material Grilamid for Marker and Position lamps is an industry first. Pioneered by FORVIA HELLA some 7 years ago, the material properties of Grilamid remain unmatched to this day.

Grilamid has become the material of choice for operators of equipment regularly exposed to high vibration and impact conditions, as well as the myriad of common industry and agricultural chemicals.

Lightweight and easy to install, DuraLED Flush Mount Marker Lamps are UV, chemical, stress and impact resistant. Optional accessories include a marine grade – 316 stainless steel rim and coloured screw caps for a complete customized finish.

# INSTALLATION



## FURTHER PRODUCT FEATURES

### Reverse polarity protection

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

### Contacts

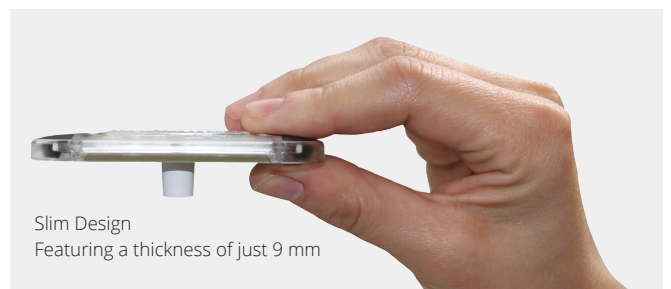
0.5 m or 2.5 m sealed cable may be selected.

### Sealed to withstand high-pressure cleaning

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 FORVIA HELLA Norm 67101 and meet the requirements for OEM production buses, commercial vehicles and tractors over 6.5 t.



Slim Design  
Featuring a thickness of just 9 mm

### Designed for a Fit and Forget service life

The latest LED technology provides an optimum signal pattern with low power consumption.

# TECHNICAL DETAILS

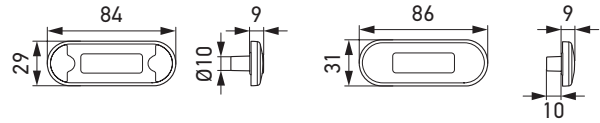
## Technische Daten

Operating voltage range	Multi-voltage (9 – 33 V)
Rated voltage	12 V and 24 V
Power consumption	0.5 W
Light function	Position light, End-outline marker light, Side marker light
Light source	2 LEDs
Temperature range	-40 °C to +60 °C
Protection class	IP 6K7, IP 6K9K
Approved*	ECE-R10, ECE-R7 (Position / End-outline), ECE-R91 (Side marker), ADR / GVSEB
Protection	Polarity reversal protection
Specification	Norm 67101, class 1.2, 2.2, 3.2, 4.1, 5.1, 6.1, 7.2, 10.2, 11.2
Mounting	Horizontally or vertically (Position / End-outline) Horizontally only (Side marker) Screw connection with 2 screws Ø 5 mm
Connection	0.5 m or 2.5 m cable

\* Dependent upon the operating temperature.

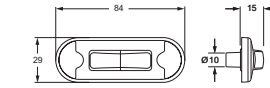
Note: The individual LED lights may only be operated with a 3 A fuse. Operation of the light with AC voltage or synchronised DC voltage is not permitted.

## Dimensional sketch

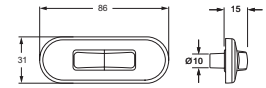


Position / End-Outline Lamp

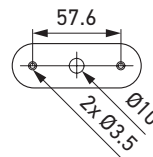
With optional Stainless Steel rim



Side Marker Lamp




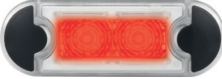



With optional Stainless Steel rim








Hole pattern

# PROGRAM OVERVIEW

Product picture	Function	Connection	Part number	VPE*
	Front Position / End Outline Lamp	0.5 m cable	2PF 959 855-201	1
			2PF 959 855-207	24
		2.5 m cable	2PF 959 855-241	1
			2PF 959 855-247	16
	Front Position / End Outline Lamp	0.5 m cable	2PF 959 855-251	1
			2PF 959 855-257	24
	Side Marker Lamp	0.5 m cable	2PS 980 868-201	1
			2PS 980 868-207	24
		2.5 m cable	2PS 980 868-211	1
			2PS 980 868-217	16
	Rear Position / End Outline Lamp	0.5 m cable	2XS 959 855-401	1
			2XS 959 855-407	24
		2.5 m cable	2XS 959 855-441	1
			2XS 959 855-447	16
	Rear Position / End Outline Lamp	0.5 m cable	2XS 959 855-451	1
			2XS 959 855-457	24

\* Packaging Unit

# ACCESSORIES

Product picture	Function	Part number	VPE*
	Polished Stainless Steel Rim – ECE Engraved	9AB 959 685-201	1
	Curved Gasket	9GD 958 028-001	1
	Rectangular Flat Gasket	9GD 980 867-507	8
	Black Screw Cap	9HD 980 858-008	4
	White Screw Cap	9HD 980 858-018	4

\* Packaging Unit