



BRIEF INFORMATION

LED rear lamp Strip Lamp

- › Low power consumption
- › Grilamid lens
- › Ultra long service life
- › Surface mount

PRODUCT FEATURES

All signal lamps are designed with an ultra wide visibility optic for improved side visibility.

True to FORVIA HELLA's commitment to design 'Fit and Forget' products, the new product family features low power consumption and lenses made from Grilamid, the highly respected performance polyamide invented and made in Switzerland.

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

PRODUCT FEATURES

Reverse polarity protection

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

Contacts

2.5 m or 0.3 m sealed cable may be selected.

Protection Class

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

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

LED LIGHTING TECHNOLOGY

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

Extremely low energy consumption

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



PRODUCT IMAGES

Front Direction Indicator / Rear Direction Indicator

Optic appears clear until illuminated.



Rear Fog Light / Auxiliary Stop Light

Optic appears clear until illuminated.



Stop Light / Tail Light

Optic appears clear until illuminated.



Stop Light Function.

Stop Light / Tail Light / Rear Direction Indicator

Optic appears clear until illuminated.



Stop Light Function.



Tail Light Function.



Tail Light Function.

Reversing Light / Daytime Running Light

Optic appears clear until illuminated.

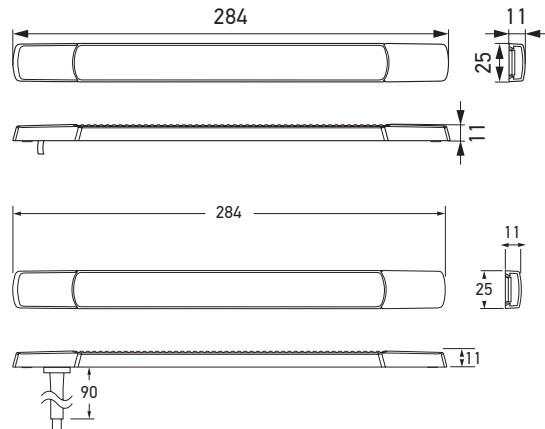


Rear Direction Indicator.

TECHNICAL DETAILS

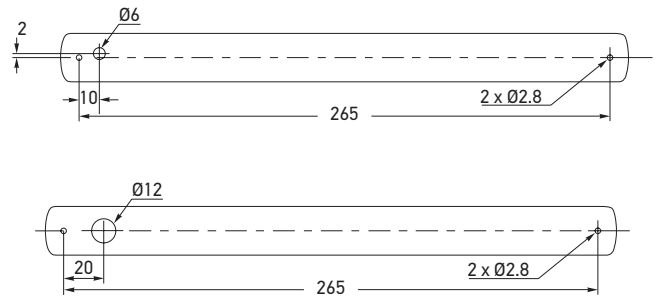
| Technical data | |
|-------------------|---|
| Rated voltage | 12 V or 24 V |
| Power consumption | Direction indicator (front / rear): 3 W Stop light / Tail light: 3 W / < 0,5 W Auxiliary stop light: 3 W Rear fog light: 3 W Reversing light: 3 W Daytime running light / position light: 3 W / < 0,5 W Stop light / Tail light / Rear direction indicator: < 0,5 W / 2 W / 2 W |
| Light function | irection indicator (front / rear), Stop light / Tail light, Auxiliary stop light, Rear fog light, Reversing light, Daytime running light / position light, Stop light / Tail light / Rear direction indicator |
| Light source | 10 LEDs |
| Temperature range | -40 °C to +60 °C |
| Protection class | IP 6K7, IP 6K9K |
| Approved | ECE |
| Protection | Polarity reversal protection |
| Specification | FORVIA HELLA standard 67101 Class 1.2, 2.2, 3.2, 4.1, 5.1, 6.1, 7.2, 10.2, 11.2 |
| Mounting | Screw connection with 2 screws Ø 4 mm |
| Connection | 2.5 m or 0.3 m cable with open cable end |

Dimensional sketch



P / N 2SD 980 819-XXX
P / N 2SB 980 887-261

Hole Pattern



P / N 2SD 980 819-XXX
P / N 2SB 980 887-261

APPLICATION EXAMPLES



12 V PROGRAM OVERVIEW

| Part Number | Function | Type approval | Mounting Requirements | Connection | PU ¹⁾ |
|-----------------|--|------------------|---|-------------|------------------|
| 2BA 980 888-011 | Rear direction indicator without pulse for indicator failure check | ECE-R6, ECE-R10 | Horizontal and vertical mount: With tolerance Refer to Diagram 3 | 2.5 m cable | 1 |
| 2SB 980 887-011 | Stop light / Tail light | ECE-R7, ECE-R10 | Horizontal and vertical mount: With tolerance Refer to Diagram 3 | 0.3 m cable | 1 |
| 2SD 980 819-011 | Stop light / Tail light / Rear direction indicator | ECE-R7, ECE-R6 | Horizontal and vertical mount | 2.5 m cable | 1 |
| 2DA 980 887-311 | Auxiliary stop light | ECE-R7 | Horizontal and vertical mount: With tolerance Refer to Diagram 4 and Diagram 5 | 2.5 m cable | 1 |
| 2NE 980 889-501 | Rear fog light | ECE-R38, ECE-R10 | Horizontal and vertical mount | 2.5 m cable | 1 |
| 2ZR 980 889-011 | Reversing light | ECE-R23 | Horizontal mount: With tolerance Refer to Diagram 6 | 2.5 m cable | 1 |

¹⁾ Packaging unit. Also available in industrial packaging if required.

Diagram 1 – Horizontal mount: +/- 45° rotation around lamp (and vehicle) axis

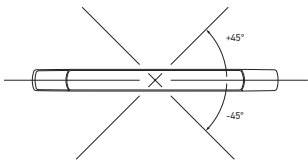


Diagram 3 – 360° rotation around lamp (and vehicle) axis

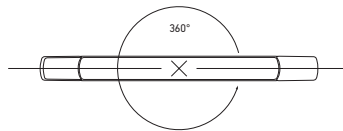


Diagram 6 – Horizontal mount: +/- 10° rotation around lamp (and vehicle) axis

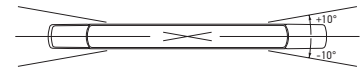


Diagram 2 – Vertical mount: +/- 45° rotation around lamp (and vehicle) axis

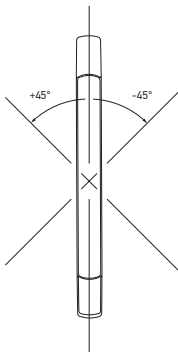


Diagram 4 – Horizontal mount: +/- 15° tilt (up/down)

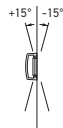


Diagram 5 – Vertical mount: +/- 12° tilt (up/down)

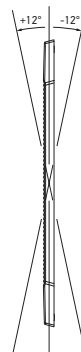
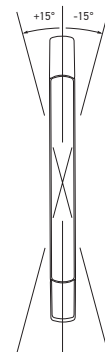


Diagram 7 – Vertical mount: +/- 15° rotation around lamp (and vehicle) axis






24 V PROGRAM OVERVIEW

| Part Number | Function | Type approval | Mounting Requirements | Connection | PU ¹⁾ |
|-----------------|---|-------------------------|--|-------------|------------------|
| 2BA 980 888-411 | Front direction indicator without pulse for indicator failure check | ECE-R10, ECE-R6 | Horizontal mount: With tolerance Refer to Diagram 1 | 2.5 m cable | 1 |
| 2BA 980 888-611 | | | Vertical mount: With tolerance Refer to Diagram 2 | 2.5 m cable | 1 |
| 2BA 980 888-211 | Rear direction indicator without pulse for indicator failure check | ECE-R6, ECE-R10 | Horizontal and vertical mount: With tolerance Refer to Diagram 3 | 2.5 m cable | 1 |
| 2SB 980 887-211 | Stop light / Tail light | ECE-R7, ECE-R10 | Horizontal and vertical mount: With tolerance Refer to Diagram 3 | 0.3 m cable | 1 |
| 2SB 980 887-261 | | ECE-R6, ECE-R7, ECE-R10 | | 2.5 m cable | 1 |
| 2SD 980 819-201 | Stop light / Tail light / Rear direction indicator | ECE-R6, ECE-R7, ECE-R10 | Horizontal and vertical mount | 2.5 m cable | 1 |
| 2DA 980 887-411 | Auxiliary stop light | ECE-R7 | Horizontal and vertical mount: With tolerance Refer to Diagram 4 and Diagram 5 | 2.5 m cable | 1 |
| 2NE 980 889-601 | Rear fog light | ECE-R38, ECE-R10 | Horizontal and vertical mount | 2.5 m cable | 1 |
| 2ZR 980 889-211 | Reversing light | ECE-R23 | Horizontal mount: With tolerance Refer to Diagram 6 | 2.5 m cable | 1 |
| 2ZR 980 889-311 | | ECE-R23 | Vertical mount: With tolerance Refer to Diagram 7 | 2.5 m cable | 1 |
| 2PT 980 880-861 | Daytime running light / Position light ²⁾ | ECE-R7, ECE-R87 | Horizontal mount | 2.5 m cable | 1 set |

¹⁾ Packaging unit. Also available in industrial packaging if required.

²⁾ Position function provided by an optional external control unit (P / N 5DF 980 816-501)

SPARE PARTS / ACCESSORIES

| Part Number | Product Image | Function | Packaging Unit ¹⁾ |
|-----------------|---|--------------------------|------------------------------|
| 9HD 980 885-008 |  | White screw caps | Bulk (4pcs) |
| 9HD 980 885-018 |  | Charcoal screw caps | Bulk (4pcs) |
| 9HD 980 885-108 |  | Chrome plated screw caps | Bulk (4pcs) |