# Marker and Signal Lamps

"HELLA's fit and forget philosophy allows us to have peace of mind that using a high quality and reliable product will avoid any costly downtime while our vehicles are on the road."

Jake Lambert, Manager, APL Direct Ltd

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## Marker and Signal Lamps

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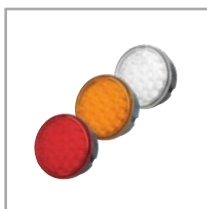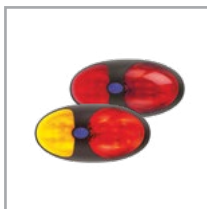
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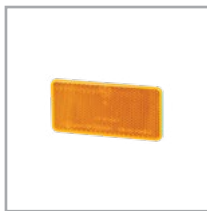
**ACCESSORIES**

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**GRILAMID® LENS**
Toughness against impact.
UV & chemical resistant.
Will not fade or embrittle.

**CONCEALED MOUNTING**

**REFLECTOR**
Inbuilt retro reflector
beneath the outer lens.

**MOUNTING BUSH**
Easy to mount on
uneven surfaces.

**CABLE**
Glue bath cable entry
IP 6K7, IP 6K9K.

**LEDS**
High quality LEDs
& the latest electronic
technology.

**DURALED® BUILT TO LAST**
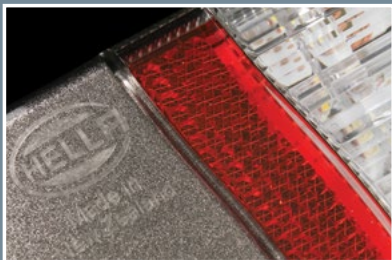
# DURALED®
# LIFETIME WARRANTY

HELLA New Zealand offers a Lifetime Warranty for all automotive LED based lighting products that carry the DuraLED® brand.

The DuraLED® range has been specifically engineered by HELLA using proven design principles, precision manufacturing, robust quality systems and a selection of ultra-durable materials and components to ensure an ultra-long operating life.

HELLA's relentless pursuit to create a truly Fit and Forget range of lighting solutions has led to the creation of the DuraLED® range which represents the pinnacle of our no compromise philosophy and commitment to long-term durability and road safety.

After over 20 years of strenuous testing, continuous improvement and proven real world reliability HELLA is proud to stand behind the DuraLED® range with an industry leading Lifetime Warranty.

Whenever you see this DuraLED® logo you will have the confidence to install products that are designed and warranted to last the economic life of the vehicle they were first installed on.

# HELLA COMPATIBILITY SOLUTION (HCS)

HELLA HCS lamps, electronic control and flasher units are designed to the latest ISO International Standard to provide compatibility with commercial vehicle indicator failure systems.

Such pure resistive load solutions can be problematic for the following reasons:

→ They mask the possible failure of the actual LED signal lamp itself.

→ In many cases such pure resistive solutions do not function as they provide a linear time/current response which is significantly different to the time/current response of a bulb filament when it heats up, as in the initial heat-up period the bulbs consume significantly more power than the rated 21 Watt.

→ Additional parallel resistors consume a significant amount of energy and thus negate the lower power advantage that LED lamps offer.

Vehicles driven on public roads require the operation of direction indicator lamps to be monitored and a fault instantly signalled to the driver. Direction indicator lamps are an important road safety feature, signalling the direction change of the vehicle. Failure to signal or failure to recognise a direction indicator signal poses a significant risk of causing an accident.

LED direction indicator lamps offer a reliable Fit and Forget solution and have become the choice for cost conscious transport operators. LED lamps with their low power consumption and Multivolt™ features, are often a challenge for existing lamp failure detection systems on modern trucks and buses.

Transport fleets often feature a mix of trailers equipped with bulb based lamps as well as trailers with full LED based lighting solutions. For the efficient operation of the fleet, each of these trailers should be compatible with the indicator failure detection systems of any of the trucks in the fleet, both now and in the future.

Some manufacturers recommend fitting additional resistive loads in parallel to the LED lamps, to simulate the 21 watts consumed by a traditional bulb lamp.

LED lamps marked with the HCS symbol feature patented indicator failure control technology which allows seamless communication with HELLA HCS control flasher units, or modern European trucks with body controllers compliant with the ISO 13207-1 standard.

**International Organisation for Standardisation**
The International Organisation for Standardisation (ISO) is a network of national standards bodies working together to develop International Standards with the common goal of making international trade and industry more effective and efficient. The standards operate by global consensus, with many governments adopting the standards into their legislation.

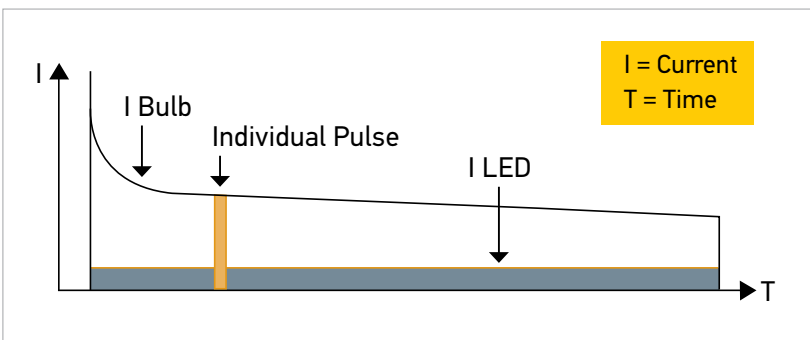"HELLA New Zealand has been instrumental in the development of the HELLA Compatibility System (HCS)"

## ISO 13207-1 Standard

ISO 13207-1 specifies a precisely timed pulse for a low power LED lamp, which momentarily mimics the power consumption of a conventional incandescent bulb. This pulse is suppressed when the LED direction indicator diagnoses itself as faulty. An ISO 13207-1 compatible flasher or vehicle body controller interprets the pulse suppression and alerts the driver to a faulty lamp or faulty wiring. Body Control Modules or HCS flasher units together with LED lamps designed to ISO 13207-1 maintain the benefit of low power LED lamps, as opposed to a parallel resistor which increases the power consumption to that of a 21 watt bulb.

HELLA New Zealand has been instrumental in laying the groundwork for the development of the HELLA Compatibility Solution (HCS), which became the blueprint for the new ISO 13207-1 standard. HELLA HCS lamps are fully compliant with ISO 13207-1.

ISO 13207-1 has been agreed to by European truck manufacturers and will be incorporated into the vehicle monitoring electronics of European trucks. Astute transport fleet operators are already future-proofing their trailers by specifying HELLA HCS Fit and Forget LED lighting solutions which will be plug-and-play with the 24 volt European trucks of tomorrow.

### HELLA HCS Lamps

HELLA products throughout this catalogue displaying the HCS logo incorporate HELLA Compatibility Solutions technology.

2VP 980 980-001

2BA 959 822-641

2SD 980 613-201
2SD 980 602-201

2VP 980 761-821

2BA 980 607-011
2BA 980 607-511

2BA 959 041-511
2BR 980 761-061

A selection of HCS products.

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HELLA lamps which incorporate HCS readily comply with ISO 13207-1.



I = Current
T = Time

I Bulb

Individual Pulse

I LED

The HCS innovation generates a pulse that simulates the current draw equivalent to an incandescent bulb.

**DURALED®**

## DuraLED® Stop/Rear Position Lamp with Night Light

DuraLED® stop, rear position lamp featuring Enhanced Definition Technology (EDT) for increased safety and awareness. Night light function allows illumination of the rear position lamp independently from the remaining marker lamps on the vehicle. Features HELLA Ultra Wide Visibility Optics for significantly improved side visibility.



148  177  31  100
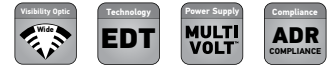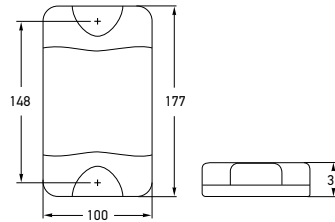
| 2SB 959 060-251 | 2330V |
|---|---|
| Mounting | Surface mount with mounting bushes supplied. Suitable for vertical mounting. |
| Voltage | Multivolt™ for optimum brightness at input voltages from 9 to 33 volts. |
| Power Consumption | Stop:  6W    Rear position:  2.5W    Night:  2.5W |
| Protection | Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS) IP 6K6 (Protection against dust and high-pressure water jets) IP 6K7 (Protection against dust and temporary water immersion) |
| Cable Length | Pre-wired with 2.5m of sheathed multi-core cable. |
| Compliance | ADR 49/00    E24 5850    ECE R7/02 |

See page 62 for DuraLED® accessories.

## DuraLED® Rear Direction Indicator Lamp

DuraLED® rear direction indicator lamp for trucks, buses, caravans and trailers. Features HELLA Ultra Wide Visibility Optics for significantly improved side visibility.



| 2BA 959 070-251 | 2151V | |
|---|---|---|
| 2BA 980 607-511 | 2151VCS | HCS TECHNOLOGY |
| Mounting | Surface mount with mounting bushes supplied. Suitable for vertical mounting. | |
| Voltage | Multivolt™ for optimum brightness at input voltages from 9 to 33 volts. | |
| Power Consumption | 2BA 959 070-251          6W 2BA 959 070-511          4W | |
| Protection | Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS) IP 6K6 (Protection against dust and high-pressure water jets) IP 6K7 (Protection against dust and temporary water immersion) | |
| Cable Length | Pre-wired with 2.5m of sheathed multi-core cable. | |
| Compliance | 2BA 959 070-251:          ADR 6/00: Cat 2a 2BA 980 607-511:          E24 5850          ECE R6/01  ISO 13207-1 | |

See page 16 for further information on HCS Technology and ISO 13207-1.

## DuraLED® Reversing Lamp

DuraLED® reversing lamp for trucks, buses, caravans and trailers.



| 2ZR 959 070-551 | 1430V |
|---|---|
| Mounting | Surface mount with mounting bushes supplied. Suitable for vertical mounting. |
| Voltage | Multivolt™ for optimum brightness at input voltages from 9 to 33 volts. |
| Power Consumption | 4W |
| Protection | Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS) IP 6K6 (Protection against dust and high-pressure water jets) IP 6K7 (Protection against dust and temporary water immersion) |
| Cable Length | Pre-wired with 2.5m of sheathed multi-core cable. |
| Compliance | ADR 1/00    E24 5850    ECE R23/00 |

Reversing lamps are not designed for continuous operation.

MARKER AND SIGNAL LAMPS
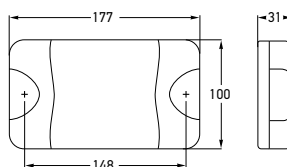
| | | | |
|---|---|---|---|
| Compliance **ADR** COMPLIANCE | Power Supply **MULTI VOLT™** | Technology **EDT** | Visibility Optic **Wide** |

| | | |
|---|---|---|
| 2SB 959 060-351 | 2330H | |
| 2SB 959 060-002 | 2330BL | |
| 2SB 959 060-357 | 2330HBULK | PACK OF 4 |

| | |
|---|---|
| Mounting | Surface mount with mounting bushes supplied. Suitable for horizontal mounting. |
| Voltage | Multivolt™ for optimum brightness at input voltages from 9 to 33 volts. |
| Power Consumption | Stop: 6W      Rear position: 2.5W      Night: 2.5W |
| Protection | Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS) IP 6K6 (Protection against dust and high-pressure water jets) IP 6K7 (Protection against dust and temporary water immersion) |
| Cable Length | Pre-wired with 2.5m of sheathed multi-core cable. Super seal versions are pre-wired with 250mm of sheathed multi-core cable. |
| Compliance | ADR 49/00      E24 5850      ECE R7/02 |

See page 62 for DuraLED® accessories.

## DuraLED® Stop/Rear Position Lamp with Night Light

DuraLED® stop, rear position lamp featuring Enhanced Definition Technology (EDT) for increased safety and awareness. Night light function allows illumination of the rear position lamp independently from the remaining marker lamps on the vehicle. Features HELLA Ultra Wide Visibility Optics for significantly improved side visibility.

2SB 959 060-002

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| | | | | |
|---|---|---|---|---|
| Certified **ECE** CERTIFIED | Compliance **ADR** COMPLIANCE | Power Supply **MULTI VOLT™** | Visibility Optic **Wide** | **HCS** HELLA Compatibility Solution |

| | | |
|---|---|---|
| 2BA 959 070-351 | 2151H | |
| 2BA 959 070-012 | 2151BL | |
| 2BA 959 070-357 | 2151HBULK | PACK OF 4 |
| 2BA 980 607-011 | 2151HCS | HCS TECHNOLOGY |

| | |
|---|---|
| Power Consumption | 2BA 959 070-351, 2BA 959 070-352, 2BA 959 070-357    6W 2BA 980 607-011    4W |
| Compliance | 2BA 959 070-351, 2BA 959 070-352, 2BA 959 070-357    ADR 6/00: Cat 2a 2BA 980 607-011:    E24 5850    ECE R6/01    ISO 13207-1 |

Other specifications as per 2SB 959 060-351. See page 16 for further information on HCS Technology and ISO 13207-1.

## DuraLED® Rear Direction Indicator Lamp

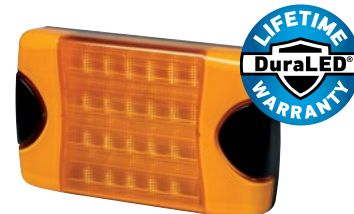DuraLED® rear direction indicator lamp for trucks, buses, caravans and trailers. Features HELLA Ultra Wide Visibility Optics for significantly improved side visibility.

2BA 959 070-012

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| | |
|---|---|
| Compliance **ADR** COMPLIANCE | Power Supply **MULTI VOLT™** |

| | |
|---|---|
| 2ZR 959 070-501 | 1430H |

| | |
|---|---|
| Power Consumption | 4W |
| Compliance | ADR 1/00      E24 5850      ECE R23/00 |

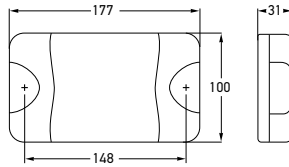Other specifications as per 2SB 959 060-351. Reversing lamps are not designed for continuous operation.

## DuraLED® Reversing Lamp

DuraLED® reversing lamp for trucks, buses, caravans and trailers.

## DuraLED® Stop/Rear Position Lamp with Night Light

DuraLED® stop, rear position lamp featuring Enhanced Definition Technology (EDT) for increased safety and awareness. Night light function allows illumination of the rear position lamp independently from the remaining marker lamps on the vehicle.
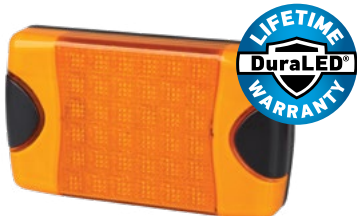


| 2SB 959 060-001 | 2330 | |
|---|---|---|
| 2TA 959 060-017 | 2330BULK | PACK OF 4 |
| Mounting | Surface mount with mounting bushes supplied. Suitable for horizontal or vertical mounting. | |
| Voltage | Multivolt™ for optimum brightness at input voltages from 9 to 33 volts. | |
| Power Consumption | Stop: 6W<br>Rear position: 1W<br>Night: 1W | |
| Protection | Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS)<br>IP 6K6 (Protection against dust and high-pressure water jets)<br>IP 6K7 (Protection against dust and temporary water immersion) | |
| Cable Length | Pre-wired with 2.5m of sheathed multi-core cable. | |
| Compliance | ADR 49/00 | |

See page 62 for DuraLED® accessories.

## DuraLED® Rear Direction Indicator Lamp

DuraLED® rear direction indicator lamp for trucks, buses, caravans and trailers.



| 2BA 959 070-001 | 2151 | |
|---|---|---|
| 2BA 959 070-007 | 2151BULK | PACK OF 4 |
| Mounting | Surface mount with mounting bushes supplied. Suitable for horizontal or vertical mounting. | |
| Voltage | Multivolt™ for optimum brightness at input voltages from 9 to 33 volts. | |
| Power Consumption | 9W | |
| Protection | Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS)<br>IP 6K6 (Protection against dust and high-pressure water jets)<br>IP 6K7 (Protection against dust and temporary water immersion) | |
| Cable Length | Pre-wired with 2.5m of sheathed multi-core cable. | |
| Compliance | ADR 6/00: Cat 2a | |

**MARKER AND SIGNAL LAMPS**

| Compliance | Power Supply | Technology |
|---|---|---|
| ADR COMPLIANCE | MULTI VOLT™ | EDT |

177 · 31 · 100 · 148

| 2SB 959 060-207 | 2331BULK | PACK OF 4 |
|---|---|---|
| Mounting | Surface mount with mounting bushes supplied. Suitable for horizontal or vertical mounting. | |
| Voltage | Multivolt™ for optimum brightness at input voltages from 9 to 33 volts. | |
| Power Consumption | Stop: 6W<br>Rear position: 1W<br>Night: 1W | |
| Protection | Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS)<br>IP 6K6 (Protection against dust and high-pressure water jets)<br>IP 6K7 (Protection against dust and temporary water immersion) | |
| Cable Length | Pre-wired with 2.5m of sheathed multi-core cable. | |
| Lens Material | Polycarbonate. | |
| Compliance | ADR 49/00 | |
| See page 62 for DuraLED® accessories. | | |

### DuraLED® Stop/Rear Position Lamp with Night Light

DuraLED® stop, rear position lamp made from polycarbonate, for off-road vehicles such as logging trucks. Night light function allows illumination of the rear position lamp independently from the remaining marker lamps on the vehicle, resulting in low power consumption.

| Compliance | Power Supply | |
|---|---|---|
| ADR COMPLIANCE | MULTI VOLT™ | HCS HELLA Compatibility Solution |

| 2BA 959 070-217 | 2152BULK | PACK OF 4 |
|---|---|---|
| 2BA 959 070-371 | 2152HCS | HCS TECHNOLOGY |
| Mounting | Surface mount with mounting bushes supplied. Suitable for horizontal or vertical mounting. | |
| Voltage | Multivolt™ for optimum brightness at input voltages from 9 to 33 volts. | |
| Power Consumption | 9W | |
| Protection | Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS)<br>IP 6K6 (Protection against dust and high-pressure water jets)<br>IP 6K7 (Protection against dust and temporary water immersion) | |
| Cable Length | Pre-wired with 2.5m of sheathed multi-core cable. | |
| Lens Material | Polycarbonate. | |
| Compliance | ADR 6/00: Cat 2a | |

### DuraLED® Rear Direction Indicator Lamp

DuraLED® rear direction indicator lamp made from polycarbonate for off-road vehicles such as logging trucks.
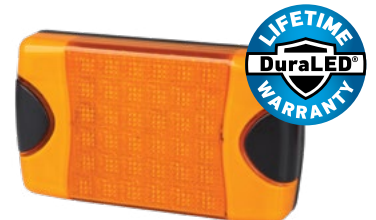
## Polycarbonate Lenses

Whilst polycarbonate features a higher impact resistance compared to our preferred Enhanced Impact Acrylic, the trade-off for polycarbonate is its lower resistance to a number of commonly used chemicals.

For applications where both extreme impact resistance as well as a high resistance to chemicals is required, we recommend HELLA LED lamps manufactured from Swiss-made Grilamid® Optical Nylon.

## DuraLED® Combi-S Stop/Rear Position/Rear Direction Indicator Lamp – Heavy Duty

DuraLED® combination lamp featuring Ultra Wide Visibility Optics for significantly improved side visibility and Enhanced Definition Technology (EDT). Suitable for commercial vehicles and boat trailers. Shockproof and fully sealed to withstand water submersion and high-pressure washing. Optic appears clear until illuminated.
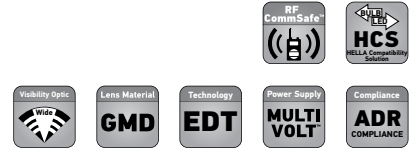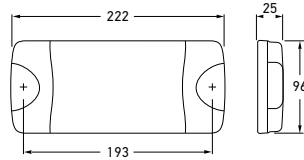
2SD 980 613-002

Ultra slim height of only 25mm.

| 2SD 980 613-001 | 2378 | | |
|---|---|---|---|
| 2SD 980 613-002 | 2378BL | ▬ | BLISTER PACK |
| 2SD 980 613-007 | 2378BULK | | PACK OF 12 |
| 2SD 980 613-201 | 2378CS | | HCS TECHNOLOGY |
| 2SD 980 613-031 | 23786M | | 6M CABLE |
| 2SD 980 613-037 | 23786MBULK | | 6M CABLE PACK OF 12 |

| | |
|---|---|
| Mounting | Surface mount with mounting bushes supplied. Suitable for horizontal or vertical mounting. |
| Voltage | Multivolt™ for optimum brightness in 12 and 24 volt systems. |
| Power Consumption | Stop: 5W    Rear position: 1W<br>Rear direction indicator: 5W |
| Protection | Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS).<br>IP 6K7 (Protection against dust and temporary water immersion)<br>IP 6K9K (Protection against dust and high-pressure/steam jet cleaning) |
| Cable Length | 2SD 980 613-001, 2SD 980 613-002, 2SD 980 613-007, 2SD 980 613-201<br>Pre-wired with 2.5m of sheathed multi-core cable<br>2SD 980 613-031, 2SD 980 613-037<br>Pre-wired with 6m of sheathed multi-core cable |
| Lens Material | High impact and chemical resistant Grilamid® lens |
| Compliance | ADR 6/00: Cat 2a    ADR 49/00    ISO 13207-1 (2SD 980 613-201 only)<br>E24 5883    ECE R6/01    ECE R7/02 |

See page 62 for DuraLED® accessories. See page 16 for further information on HCS Technology and ISO 13207-1.

### COMBI-S LAMP FUNCTIONS

Stop    Rear position    Rear direction indicator

## DuraLED® Combi-S Trailer Lighting Kit

A complete Fit and Forget solution for commercial trailers or boat trailers.

| 2VB 980 613-801 | 2378TP |
|---|---|

| | |
|---|---|
| Kit Contents | Each trailer lamp kit contains:<br>2 x 2SD 980 613-001   DuraLED® Combi-S stop/rear position and rear direction indicator lamp with 6m sheathed multi-core cable.<br>2 x 8RA 003 326-035   Red retro reflector<br>1 x 2KA 959 640-341   LED number plate lamp with 5m sheathed multi-core cable.<br>1 x 8JA 910 032-001   7 pole flat plug |

**MARKER AND SIGNAL LAMPS**

222
24  25
96
193

| 2SD 980 602-001 | 2378DT | |
|---|---|---|
| 2SD 980 602-201 | 2378DTCS | HCS TECHNOLOGY |

| | |
|---|---|
| Mounting | Surface mount with mounting bushes supplied. Suitable for horizontal or vertical mounting. |
| Voltage | Multivolt™ for optimum brightness in 12 and 24 volt systems. |
| Power Consumption | Stop: 5W  Rear direction indicator: 5W <br> Rear position: 1W  Night: 1W |
| Protection | Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS). <br> IP 6K7 (Protection against dust and temporary water immersion) <br> IP 6K9K (Protection against dust and high-pressure/steam jet cleaning) |
| Accessory | 8JA 959 736-801  6 pole DT plug, wedge and 6 contacts. |
| Lens Material | High impact and chemical resistant Grilamid® lens |
| Compliance | ADR 6/00: Cat 2a  ADR 49/00  ISO 13207-1 (2SD 980 602-201 only) <br> (E24) 5883  ECE R6/01  ECE R7/02 |

See page 16 for further information on HCS Technology and ISO 13207-1.

## DuraLED® Combi-S Stop/Rear Position/Rear Direction Indicator Lamp and Night Light with DT Connector – Heavy Duty
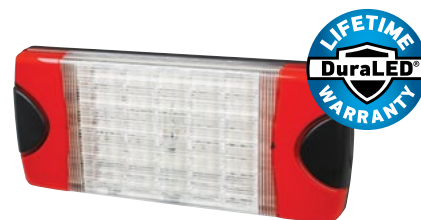
DuraLED® combination lamp featuring Ultra Wide Visibility Optics for significantly improved side visibility and Enhanced Definition Technology (EDT). Night light function allows illumination of the rear position lamp independently from the remaining marker lamps on the vehicle, resulting in low power consumption. Suitable for commercial and boat trailers. Shockproof and fully sealed to withstand water submersion and high-pressure washing. Optic appears clear until illuminated.

Rear view showing DT connector that allows application of self-adhesive heat shrink.

8JA 959 736-801
Not included with lamp.

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24  25
96
96
193

2SK 980 613-511
2SK 980 602-511
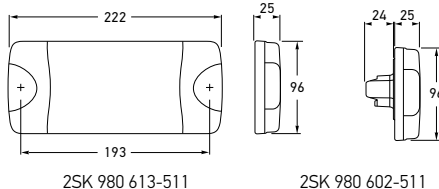
| 2SK 980 613-511 | 238324VCS | HCS TECHNOLOGY |
|---|---|---|
| 2SK 980 602-511 | 2383DT24VCS (DT Connector) | HCS TECHNOLOGY |

| | |
|---|---|
| Mounting | Surface mount with mounting bushes supplied. Suitable for horizontal mounting. |
| Voltage | 24V |
| Power Consumption | Stop: 3W  Reverse: 3W <br> Rear position: 1W  Night (2SK 980 602-511): 1W <br> Rear direction indicator: 3W |
| Cable Length | Pre-wired with 2.5m of sheathed multi-core cable (except DT versions). |
| Accessory | 8JA 959 736-801  6 pole DT plug, wedge and 6 contacts. |
| Compliance | (E24) 5894  ISO 13207-1 <br> ECE R6/01  ECE R7/02  ECE R23/00 |

Other specifications as per 2SD 980 602-001.

## DuraLED® Combi-S Stop/Rear Position/Rear Direction Indicator/Reversing Lamp and Night Light with DT Connector – Heavy Duty

DuraLED® combination lamp featuring modern clear lens design. Low power consumption and long life equates to economical running costs. Ideal for 24V commercial vehicles. Optic appears clear until illuminated.

Ultra slim height of only 25mm.
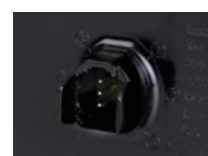
Rear view showing DT connector that allows application of self-adhesive heat shrink.

**COMBINATION LAMP FUNCTIONS**

Stop          Rear position          Rear direction indicator    Reverse

8JA 959 736-801
Not included with lamp.

# DuraLED® Combi-R Stop/Rear Position/Rear Direction Indicator Lamp with Retro Reflector

DuraLED® combination lamp with 34cm² red retro reflector which features Enhanced Definition Technology (EDT). Suitable for light commercial and boat trailers. Shockproof and fully sealed to withstand water submersion and high-pressure washing.
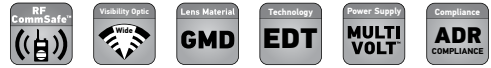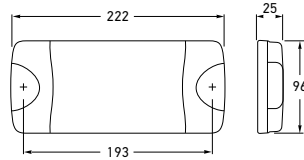


2VA 980 710-002



Ultra slim height of only 25mm.

| 2VA 980 710-001 | 2377 | | |
|---|---|---|---|
| 2VA 980 710-002 | 2377BL | ▬ | BLISTER PACK |
| Mounting | Surface mount with mounting bushes supplied. Suitable for horizontal mounting. | | |
| Voltage | Multivolt™ for optimum brightness in 12 and 24 volt systems. | | |
| Power Consumption | Stop: 4W<br>Rear position: 1W<br>Rear direction indicator: 4W | | |
| Protection | Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS).<br>IP 6K7 (Protection against dust and temporary water immersion)<br>IP 6K9K (Protection against dust and high-pressure/steam jet cleaning) | | |
| Cable Length | Pre-wired with 2.5m of sheathed multi-core cable. | | |
| Lens Material | High impact and chemical resistant Grilamid® lens | | |
| Compliance | ADR 47/00<br>(E24) 5882 | ADR 6/00: Cat 2a<br>ECE R6/01 | ADR 49/00<br>ECE R7/02 ECE R3/02 |

See page 62 for DuraLED® accessories.

### COMBI-R LAMP FUNCTIONS



Stop

Rear position

Rear direction indicator

---

# DuraLED® Combi-R Trailer Lighting Kit

A complete Fit and Forget solution for trailers or caravans.



| 2VB 980 710-801 | 2377TP | |
|---|---|---|
| Kit Contents | Each trailer lamp kit contains: | |
| | 2 x 2VA 980 710-001 | DuraLED® Combi-R stop/rear position and rear direction indicator lamp with retro reflector and 6m sheathed multi-core cable. |
| | 1 x 2KA 959 640-341 | LED number plate lamp with 5m sheathed multi-core cable. |
| | 1 x 8JA 910 032-001 | 7 pole flat plug |

**MARKER AND SIGNAL LAMPS**

| Compliance ADR COMPLIANCE | Power Supply MULTI VOLT™ | Lens Material GMD | RF CommSafe® | BULB LED HCS HELLA Compatibility Solution |
|---|---|---|---|---|

223
193
26
24 27
96
96
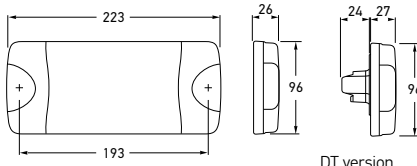
DT version

## DuraLED® Combi-SR
## Stop/Rear Position/Rear Direction Indicator/Reversing Lamp with Retro Reflector

The all-in-one five function Combi-SR Lamp retains the same mounting footprint while also incorporating a built-in retro reflector, saving both time and money on installation. The all-in-one design makes the Combi-SR the ideal choice for vehicles with limited space to mount a separate reflector.

| 2VP 015 074-001 | **2380, 2380GMD & 2381** 2.5m cable version | | |
|---|---|---|---|
| 2VP 015 074-002 | **2380BL** 2.5m cable version | ▭ | BLISTER PACK |
| 2VP 015 074-007 | **2380BULK** 2.5m cable version | | PACK OF 12 |
| 2VP 015 074-101 | **2380CS** 2.5m cable version | | |
| 2VP 015 075-001 | **2380DT** DT version | | CARTON PACK |
| 2VP 015 075-101 | **2380DTCS** DT version with HCS Technology | | HCS |

| | |
|---|---|
| Mounting | Surface mount with mounting bushes supplied. Suitable for horizontal mounting. |
| Voltage | Multivolt™ for optimum brightness in 12 and 24 volt systems. |
| Power Consumption | Stop: 5W<br>Rear position: 1.5W<br>Rear direction indicator: 6W<br>Reverse: 2W<br>Night light: 1.5W (DT version only) |
| Protection | Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS).<br>IP 6K7 (Protection against dust and temporary water immersion)<br>IP 6K9K (Protection against dust and high-pressure/steam jet cleaning) |
| Cable Length | Pre-wired with 2.5m of sheathed multi-core cable (non DT version) |
| Accessory | 8JA 959 736-801   6 pole DT plug, wedge and 6 contacts (DT version) |
| Compliance | E24  5925    ECE R148/00    ECE R150/00    ECE R10/05    ISO 13207-1 |

See page 62 for DuraLED® accessories.

2VP 015 074-002
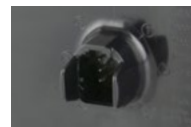
Rear view showing DT connector that allows application of self-adhesive heat shrink.

### COMBI-SR LAMP FUNCTIONS

Stop          Rear position          Rear direction indicator  Reverse

8JA 959 736-801
Not included with lamp.

| **The Combi-SR is a direct replacement for the P/N 2380** | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Combi-SR Part Number | Slim | Power Supply MULTI VOLT™ | RF CommSafe® | Cable Length (m) | Built-in DT Connector | Lens Material GMD | HCS HELLA Compatibility Solution | Additional Functions | Succession Plan |
| 2VP 015 074-001 | ✔ | ✔ | ✔ | 2.5 | – | ✔ | – | – | Replaces 2380, 2380GMD & 2381 |
| 2VP 015 074-007 | ✔ | ✔ | ✔ | 2.5 | – | ✔ | – | – | Replaces 2380BULK |
| 2VP 015 075-001 | ✔ | ✔ | ✔ | – | ✔ | ✔ | – | Night Light | Replaces 2380DT & 2380DTGMD |
| 2VP 015 074-101 | ✔ | ✔ | ✔ | 2.5 | – | ✔ | ✔ | – | |
| 2VP 015 075-101 | ✔ | ✔ | ✔ | – | ✔ | ✔ | ✔ | Night Light | |

## DuraLED® Flush Mount Side Marker Lamp

Red/amber flush mount side marker lamp. Featuring a low profile of only 15mm and an ultra durable Grilamid® nylon lens for extreme impact, UV, chemical and stress resistance. Optic appears clear until illuminated. With optional stainless steel rim.

Stainless steel rim version

**RF CommSafe®**

**Lens Material GMD**  **Power Supply MULTI VOLT™**  **Compliance ADR COMPLIANCE**

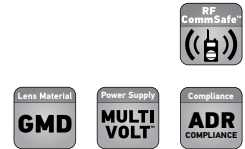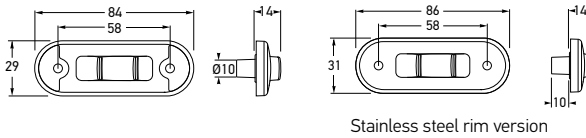| 2PS 980 868-001 | 2083 | |
|---|---|---|
| 2PS 980 868-017 | 2083BULK (Pack of 16) | |
| 2KA 980 868-021 | 2083S | POLISHED STAINLESS STEEL RIM |
| 2PS 980 868-037 | 2083SBULK (Pack of 16) | |

| Mounting | Flush mount.<br>Suitable for horizontal or vertical mounting. | |
|---|---|---|
| Voltage | Multivolt™ for optimum brightness in 12 and 24 volt systems. | |
| Power Consumption | <0.5W | |
| Protection | Reverse polarity protection.<br>IP 6K7 (Protection against dust and temporary water immersion)<br>IP 6K9K (Protection against dust and high-pressure/steam jet cleaning) | |
| Cable Length | Pre-wired with 0.5m of sheathed multi-core cable.<br>Bulk pack pre-wired with 2.5m of sheathed multi-core cable. | |
| Spare Parts | 9HD 980 858-007<br>9AB 959 685-002 | Black screw caps (Pack of 4)<br>Stainless steel rim - Polished |
| Lens Material | High impact and chemical resistant Grilamid® lens | |
| Compliance | ADR 45/01 | |

See pages 62-64 for DuraLED® marker lamp accessories.

2PS 980 868-001          2PS 980 868-021

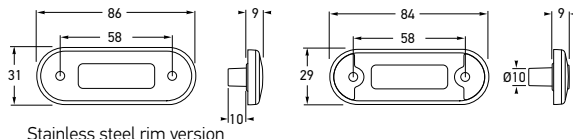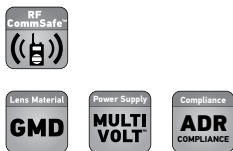## DuraLED® Flush Mount Supplementary Side Marker Lamp

Amber side direction indicator lamps complement HELLA's popular DuraLED® range of flush mount marker lamps for a consistent look to your vehicle. Featuring a low profile of only 14mm and an ultra durable Grilamid® nylon lens for extreme impact, UV, chemical and stress resistance. Optic appears clear until illuminated.

Stainless steel rim version

**RF CommSafe®**

**Lens Material GMD**  **Power Supply MULTI VOLT™**  **Compliance ADR COMPLIANCE**

| 2BM 980 868-301 | 2086 | |
|---|---|---|
| 2BM 980 868-317 | 2086BULK (Pack of 16) | |
| 2BM 980 868-321 | 2086S | POLISHED STAINLESS STEEL RIM |
| 2BM 980 868-337 | 2086SBULK (Pack of 16) | |

| Mounting | Suitable for horizontal or vertical mounting. | |
|---|---|---|
| Voltage | Multivolt™ for optimum brightness in 12 and 24 volt systems. | |
| Power Consumption | <0.5W | |
| Protection | Reverse polarity protection.<br>IP 6K7 (Protection against dust and temporary water immersion)<br>IP 6K9K (Protection against dust and high-pressure/steam jet cleaning) | |
| Cable Length | Pre-wired with 0.5m of sheathed multi-core cable.<br>Bulk pack pre-wired with 2.5m of sheathed multi-core cable. | |
| Spare Parts | 9HD 980 858-007<br>9AB 959 685-002 | Black screw caps (Pack of 4)<br>Stainless steel rim |
| Lens Material | High impact and chemical resistant Grilamid® lens | |
| Compliance | ADR 6/00: Cat 5 | |

See pages 62-64 for DuraLED® marker lamp accessories.

2BM 980 868-301          2BM 980 868-321

**RF CommSafe™**

**Lens Material GMD**  **Power Supply MULTI VOLT™**  **Compliance ADR COMPLIANCE**

86
58
31
9
Stainless steel rim version
10

84
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29
9
Ø10

| 2PF 980 855-011 | 2059 | |
|---|---|---|
| 2PF 980 855-037 | 2059BULK (Pack of 16) | |
| 2PF 980 855-021 | 2059S | POLISHED STAINLESS STEEL RIM |
| 2PF 980 855-047 | 2059SBULK (Pack of 16) | |

| | |
|---|---|
| Mounting | Flush mount. Suitable for horizontal or vertical mounting. |
| Voltage | Multivolt™ for optimum brightness in 12 and 24 volt systems. |
| Power Consumption | <0.5W |
| Protection | Reverse polarity protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning) |
| Cable Length | Pre-wired with 0.5m of sheathed multi-core cable. Bulk pack pre-wired with 2.5m of sheathed multi-core cable. |
| Spare Parts | 9HD 980 858-007  Black screw caps (Pack of 4) 9AB 959 685-002  Stainless steel rim - Polished |
| Lens Material | High impact and chemical resistant Grilamid® lens |
| Compliance | ADR 49/00 |

See pages 62-64 for DuraLED® marker lamp accessories.

## DuraLED® Flush Mount Front Position/End Outline Lamp

White flush mount front position or front end outline LED lamp with optional stainless steel rim. Featuring a low profile ultra durable Grilamid® nylon lens for extreme impact, UV, chemical and stress resistance. Optic appears clear until illuminated.

**LIFETIME DuraLED® WARRANTY**

2PF 980 855-011          2PF 980 855-021

Ultra slim design
Featuring a thickness of just 9mm

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**Compliance ADR COMPLIANCE**  **Power Supply MULTI VOLT™**  **Lens Material GMD**  **RF CommSafe™**

| 2PF 980 855-201 | 2060 | |
|---|---|---|
| 2PF 980 855- 227 | 2060BULK (Pack of 16) | |
| 2PF 980 855-211 | 2060S | POLISHED STAINLESS STEEL RIM |
| 2PF 980 855-237 | 2060SBULK (Pack of 16) | |

Other specifications as per 2PF 980 855-011

## DuraLED® Flush Mount Front End Outline Lamp

Amber flush mount front end outline LED lamp for trailers with optional stainless steel rim. Featuring a low profile ultra durable Grilamid® nylon lens for extreme impact, UV, chemical and stress resistance. Optic appears clear until illuminated.

**LIFETIME DuraLED® WARRANTY**

2PF 980 855-211

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**Compliance ADR COMPLIANCE**  **Power Supply MULTI VOLT™**  **Lens Material GMD**  **RF CommSafe™**

| 2XA 980 855-301 | 2310 | |
|---|---|---|
| 2XA 980 855-327 | 2310BULK (Pack of 16) | |
| 2PF 980 855-311 | 2310S | POLISHED STAINLESS STEEL RIM |
| 2XA 980 855-337 | 2310SBULK (Pack of 16) | |

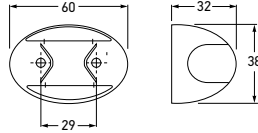Other specifications as per 2PF 980 855-011

## DuraLED® Flush Mount Rear Position/End Outline Lamp

Red flush mount rear position or rear end outline LED lamp with optional stainless steel rim. Featuring a low profile ultra durable Grilamid® nylon lens for extreme impact, UV, chemical and stress resistance. Optic appears clear until illuminated.

**LIFETIME DuraLED® WARRANTY**

2PF 980 855-311

## DuraLED® Side Marker Lamp

Red/amber side marker LED lamp.
Optic appears clear until illuminated.

| 2PS 959 660-581 | 2053 | | |
|---|---|---|---|
| 2PS 959 660-502 | 2053BULK | | PACK OF 4 |
| 2PS 959 660-691 | 2053CHROME | | CHROME PLATED |
| Mounting | Surface mount. | | |
| Voltage | Multivolt™ for optimum brightness in 12 and 24 volt systems. | | |
| Power Consumption | <1W | | |
| Protection | Reverse polarity protection.<br>IP 6K6 (Protection against dust and high-pressure water jets)<br>IP 6K7 (Protection against dust and temporary water immersion) | | |
| Cable Length | Pre-wired with 0.5m of sheathed multi-core cable.<br>Bulk pack pre-wired with 2.5m of sheathed multi-core cable. | | |
| Spare Part | 9BG 910 274-001    Black nylon housing | | |
| Compliance | ADR 45/01 | | |

See pages 62-64 for DuraLED® marker lamp accessories.

2PS 959 660-581    2PS 959 660-691

## DuraLED® Side Marker Lamp – Grilamid®

Red/amber ultra high impact resistant side marker LED lamp featuring Grilamid® lens and nylon housing. Optic appears clear until illuminated.

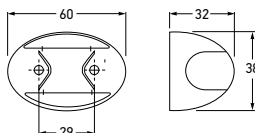| 2PS 959 660-481 | 2053GMD | |
|---|---|---|
| 2PS 959 660-477 | 2053GMDBULK | PACK OF 4 |
| Mounting | Surface mount. | |
| Voltage | Multivolt™ for optimum brightness in 12 and 24 volt systems. | |
| Power Consumption | <1W | |
| Protection | As per 2PS 959 660-581. | |
| Cable Length | Pre-wired with 0.5m of sheathed multi-core cable.<br>Bulk pack pre-wired with 2.5m of sheathed multi-core cable. | |
| Spare Part | 9BG 910 274-001    Black nylon housing | |
| Lens Material | High impact and chemical resistant Grilamid® lens | |
| Compliance | ADR 45/01 | |

## DuraLED® Cab Marker/Supplementary Side Direction Indicator Lamp (Cat. 5)

Amber cab marker or supplementary side indicator LED lamp. Optic appears clear until illuminated.

| 2BP 959 660-301 | 2026 | |
|---|---|---|
| 2BP 959 660-357 | 2026BULK | PACK OF 4 |
| Mounting | Surface mount. | |
| Voltage | Multivolt™ for optimum brightness in 12 and 24 volt systems. | |
| Power Consumption | <1W | |
| Protection | As per 2PS 959 660-581. | |
| Cable Length | Pre-wired with 0.5m of sheathed multi-core cable.<br>Bulk pack pre-wired with 2.5m of sheathed multi-core cable. | |
| Spare Part | 9BG 910 274-001    Black nylon housing | |
| Compliance | ADR 6/00: Cat 5    ADR 45/01 | |

## DuraLED® Front Position/ End Outline Lamp

White ultra high impact resistant front end outline or front position LED lamp featuring Grilamid® lens and nylon housing. Optic appears clear until illuminated.

| 2PF 959 570-502 | 2054 | |
|---|---|---|
| 2PF 959 570-527 | 2054BULK | PACK OF 4 |
| Mounting | Surface mount. Suitable for horizontal mounting. | |
| Voltage | Multivolt™ for optimum brightness in 12 and 24 volt systems. | |
| Power Consumption | <1W | |
| Protection | Reverse polarity protection. IP 6K6 (Protection against dust and high-pressure water jets) IP 6K7 (Protection against dust and temporary water immersion) | |
| Cable Length | Pre-wired with 0.5m of sheathed multi-core cable. Bulk pack pre-wired with 2.5m of sheathed multi-core cable. | |
| Spare Part | 9BG 910 274-001    Black nylon housing | |
| Lens Material | High impact and chemical resistant Grilamid® lens | |
| Compliance | ADR 49/00 | |

See pages 62-64 for DuraLED® marker lamp accessories.

## DuraLED® Front End Outline Lamp

Amber ultra high impact resistant front end outline LED lamp for trailers featuring Grilamid® lens and nylon housing. Optic appears clear until illuminated.

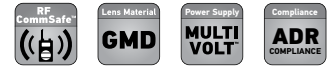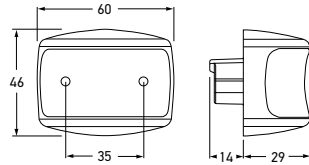| 2PF 959 570-391 | 2051 | |
|---|---|---|
| 2PF 959 570-347 | 2051BULK | PACK OF 4 |
| Mounting | Surface mount. Suitable for horizontal mounting. | |
| Voltage | Multivolt™ for optimum brightness in 12 and 24 volt systems. | |
| Power Consumption | <1W | |
| Protection | As per 2PF 959 570-502. | |
| Cable Length | Pre-wired with 0.5m of sheathed multi-core cable. Bulk pack pre-wired with 2.5m of sheathed multi-core cable. | |
| Spare Part | 9BG 910 274-001    Black nylon housing | |
| Lens Material | High impact and chemical resistant Grilamid® lens | |
| Compliance | ADR 49/00 | |

## DuraLED® Rear Position/ End Outline Lamp

Red ultra high impact resistant rear end outline or rear position LED lamp featuring Grilamid® lens and nylon housing. Optic appears clear until illuminated.

| 2XA 959 560-102 | 2307 | |
|---|---|---|
| 2XA 959 560-477 | 2307BULK | PACK OF 4 |
| Mounting | Surface mount. Suitable for horizontal mounting. | |
| Voltage | Multivolt™ for optimum brightness in 12 and 24 volt systems. | |
| Power Consumption | <1W | |
| Protection | As per 2PF 959 570-502. | |
| Cable Length | Pre-wired with 0.5m of sheathed multi-core cable. Bulk pack pre-wired with 2.5m of sheathed multi-core cable. | |
| Spare Part | 9BG 910 274-001    Black nylon housing | |
| Lens Material | High impact and chemical resistant Grilamid® lens | |
| Compliance | ADR 49/00 | |

**MARKER & SIGNAL**

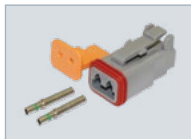## DuraLED® Heavy Duty Side Marker Lamp with DT Connector – Red/Amber

Heavy duty red/amber LED side marker lamp with DT connector and nylon housing. Featuring ultra durable Grilamid® nylon lens for extreme impact, UV, chemical and stress resistance. Optic appears clear until illuminated.

Rear view showing DT connector that allows application of self-adhesive heat shrink.

8JA 959 736-811 Not included with lamp.

| 2PS 980 990-001 | 2073 | |
|---|---|---|
| 2PS 980 990-007 | 2073BULK | PACK OF 8 |
| Mounting | Surface mount. Suitable for horizontal mounting. | |
| Voltage | Multivolt™ for optimum brightness in 12 and 24 volt systems. | |
| Power Consumption | <1W | |
| Protection | Reverse polarity protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high pressure/steam jet cleaning) | |
| Spare Parts | 8JA 959 736-811    2 pole DT plug, wedge and 2 contacts 8KB 958 757-501    2.0m sheathed cable with DT plug 9BG 980 996-002    Black nylon housing | |
| Lens Material | High impact and chemical resistant Grilamid® lens | |
| Compliance | ADR 45/01 | |

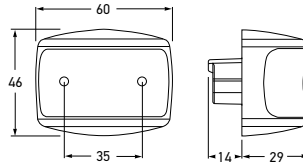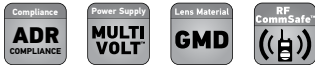## DuraLED® Heavy Duty Cab Marker/ Supplementary Side Direction Indicator Lamp with DT Connector

Heavy duty amber LED cab marker or supplementary side direction indicator lamp with DT connector and nylon housing. Featuring ultra durable Grilamid® nylon lens for extreme impact, UV, chemical and stress resistance. Optic appears clear until illuminated.

| 2BP 980 990-101 | 2076 | |
|---|---|---|
| 2BP 980 990-107 | 2076BULK | PACK OF 8 |
| Mounting | Surface mount. Suitable for horizontal mounting. | |
| Voltage | Multivolt™ for optimum brightness in 12 and 24 volt systems. | |
| Power Consumption | <1W | |
| Protection | Reverse polarity protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high pressure/steam jet cleaning) | |
| Spare Parts | 8JA 959 736-811    2 pole DT plug, wedge and 2 contacts 8KB 958 757-501    2.0m sheathed cable with DT plug 9BG 980 996-002    Black nylon housing | |
| Lens Material | High impact and chemical resistant Grilamid® lens | |
| Compliance | ADR 6/00: Cat 5     ADR 45/01 | |

## DuraLED® Heavy Duty Front Position/ End Outline Lamp with DT Connector

Heavy duty white front position or end outline LED lamp with DT connector and nylon housing. Featuring ultra durable Grilamid® nylon lens for extreme impact, UV, chemical and stress resistance. Optic appears clear until illuminated.

| 2PF 980 990-201 | 2074 | |
|---|---|---|
| 2PF 980 990-207 | 2074BULK | PACK OF 8 |
| Mounting | Surface mount. Suitable for horizontal mounting. | |
| Voltage | Multivolt™ for optimum brightness in 12 and 24 volt systems. | |
| Power Consumption | <1W | |
| Protection | Reverse polarity protection. IP 6K7  (Protection against dust and temporary water immersion) IP 6K9K  (Protection against dust and high pressure/steam jet cleaning) | |
| Spare Parts | 8JA 959 736-811    2 pole DT plug, wedge and 2 contacts 8KB 958 757-501    2.0m sheathed cable with DT plug 9BG 980 996-002    Black nylon housing | |
| Lens Material | High impact and chemical resistant Grilamid® lens | |
| Compliance | ADR 49/00 | |

## DuraLED® Heavy Duty Front End Outline Lamp with DT Connector

Heavy duty amber front end outline LED lamp for trailers with DT connector and nylon housing. Featuring ultra durable Grilamid® nylon lens for extreme impact, UV, chemical and stress resistance. Optic appears clear until illuminated.

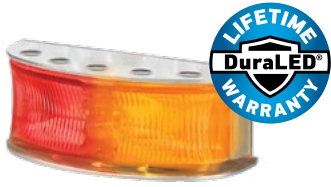| 2PF 980 990-401 | 2071 | |
|---|---|---|
| 2PF 980 990-407 | 2071BULK | PACK OF 8 |
| Mounting | Surface mount. Suitable for horizontal mounting. | |
| Voltage | Multivolt™ for optimum brightness in 12 and 24 volt systems. | |
| Power Consumption | <1W | |
| Protection | Reverse polarity protection. IP 6K7  (Protection against dust and temporary water immersion) IP 6K9K  (Protection against dust and high pressure/steam jet cleaning) | |
| Spare Parts | As per 2PF 980 990-201 | |
| Lens Material | High impact and chemical resistant Grilamid® lens | |
| Compliance | ADR 49/00 | |

## DuraLED® Heavy Duty Rear Position/ End Outline Lamp with DT Connector

Heavy duty red rear position or end outline LED lamp with DT connector and nylon housing. Featuring ultra durable Grilamid® nylon lens for extreme impact, UV, chemical and stress resistance. Optic appears clear until illuminated.

| 2XA 980 990-601 | 2312 | |
|---|---|---|
| 2XA 980 990-607 | 2312BULK | PACK OF 8 |
| Mounting | Surface mount. Suitable for horizontal mounting. | |
| Voltage | Multivolt™ for optimum brightness in 12 and 24 volt systems. | |
| Power Consumption | <1W | |
| Protection | Reverse polarity protection. IP 6K7  (Protection against dust and temporary water immersion) IP 6K9K  (Protection against dust and high pressure/steam jet cleaning) | |
| Spare Parts | As per 2PF 980 990-201 | |
| Lens Material | High impact and chemical resistant Grilamid® lens | |
| Compliance | ADR 49/00 | |

## DuraLED® Heavy Duty Side Marker Lamp – Red/Amber

Heavy duty red/amber LED side marker lamp with stainless steel housing. Featuring ultra durable Grilamid® nylon lens for extreme impact, UV, chemical and stress resistance. Optic appears clear until illuminated.
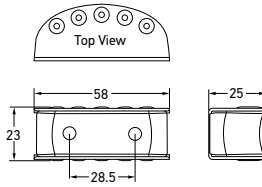




2PS 980 660-001     2PS 980 660-021



2PS 980 660-001

Top View

58

25

23

28.5

| 2PS 980 660-001 | 2058 | | MATT FINISH |
|---|---|---|---|
| 2XS 980 660-018 | 2058BULK (Pack of 4) | | |
| 2PS 980 660-021 | 2058P | | POLISHED FINISH |
| 2XS 980 660-038 | 2058PBULK (Pack of 4) | | |

| | |
|---|---|
| Mounting | Surface mount. Suitable for horizontal mounting. |
| Voltage | Multivolt™ for optimum brightness in 12 and 24 volt systems. |
| Power Consumption | <1W |
| Protection | Reverse polarity protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high pressure/steam jet cleaning) |
| Cable Length | Pre-wired with 0.5m of sheathed multi-core cable. Bulk pack pre-wired with 2.5m of sheathed multi-core cable. |
| Spare Parts | 9BG 980 665-001    Stainless steel housing 9BG 980 665-101    Polished stainless steel housing |
| Lens Material | High impact and chemical resistant Grilamid® lens |
| Compliance | ADR 45/01 |

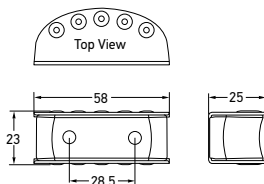The industrial polishing process utilised on the housings may not always be 100% blemish free.

## DuraLED® Heavy Duty Cab Marker/ Supplementary Side Direction Indicator Lamp

Heavy duty LED cab marker or supplementary side direction indicator lamp with stainless steel housing. Featuring ultra durable Grilamid® nylon lens for extreme impact, UV, chemical and stress resistance. Optic appears clear until illuminated.



| 2BP 980 660-101 | 2027 | | MATT FINISH |
|---|---|---|---|
| 2BP 980 660-118 | 2027BULK (Pack of 4) | | |
| 2BP 980 660-121 | 2027P | | POLISHED FINISH |
| 2BP 980 660-138 | 2027PBULK (Pack of 4) | | |

| | |
|---|---|
| Mounting | Surface mount. Suitable for horizontal mounting. |
| Voltage | Multivolt™ for optimum brightness in 12 and 24 volt systems. |
| Power Consumption | <1W |
| Protection | Reverse polarity protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high pressure/steam jet cleaning) |
| Cable Length | Pre-wired with 0.5m of sheathed multi-core cable. Bulk pack pre-wired with 2.5m of sheathed multi-core cable. |
| Spare Parts | 9BG 980 665-001    Stainless steel housing 9BG 980 665-101    Polished stainless steel housing |
| Lens Material | High impact and chemical resistant Grilamid® lens |
| Compliance | ADR 6/00: Cat 5     ADR 45/01 |

The industrial polishing process utilised on the housings may not always be 100% blemish free.

Top View

58 · 25 · 23 · 28.5

## DuraLED® Heavy Duty Front Position/End Outline Lamp

Heavy duty white front position/end outline LED lamp with stainless steel housing. Featuring ultra durable Grilamid® nylon lens for extreme impact, UV, chemical and stress resistance. Optic appears clear until illuminated.

Compliance ADR | Power Supply MULTI VOLT | Lens Material GMD | RF CommSafe

| 2PF 980 660-201 | 2061 | MATT FINISH |
| 2PF 980 660-218 | 2061BULK (Pack of 4) | |
| 2PF 980 660-221 | 2061P | POLISHED FINISH |
| 2PF 980 660-238 | 2061PBULK (Pack of 4) | |

| Mounting | Surface mount. Suitable for horizontal mounting. |
| Voltage | Multivolt™ for optimum brightness in 12 and 24 volt systems. |
| Power Consumption | <1W |
| Protection | Reverse polarity protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high pressure/steam jet cleaning) |
| Cable Length | Pre-wired with 0.5m of sheathed multi-core cable. Bulk pack pre-wired with 2.5m of sheathed multi-core cable. |
| Spare Parts | 9BG 980 665-001 Stainless steel housing 9BG 980 665-101 Polished stainless steel housing |
| Lens Material | High impact and chemical resistant Grilamid® lens |
| Compliance | ADR 49/00 |

The industrial polishing process utilised on the housings may not always be 100% blemish free.

2PF 980 660-201

## DuraLED® Heavy Duty Front End Outline Lamp

Heavy duty amber front end outline LED lamp for trailers, with stainless steel housing. Featuring ultra durable Grilamid® nylon lens for extreme impact, UV, chemical and stress resistance. Optic appears clear until illuminated.

Compliance ADR | Power Supply MULTI VOLT | Lens Material GMD | RF CommSafe

| 2PF 980 660-301 | 2062 | MATT FINISH |
| 2PF 980 660-318 | 2062BULK (Pack of 4) | |
| 2PF 980 660-321 | 2062P | POLISHED FINISH |
| 2PF 980 660-338 | 2062PBULK (Pack of 4) | |

Other specifications as per 2PF 980 660-201.

## DuraLED® Heavy Duty Rear Position/End Outline Lamp

Heavy duty red rear position/end outline LED lamp with stainless steel housing. Featuring ultra durable Grilamid® nylon lens for extreme impact, UV, chemical and stress resistance. Optic appears clear until illuminated.
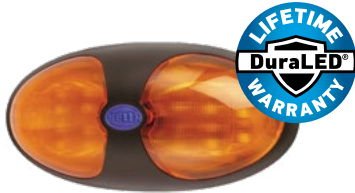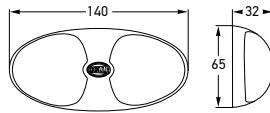
Compliance ADR | Power Supply MULTI VOLT | Lens Material GMD | RF CommSafe

| 2XS 980 660-401 | 2311 | MATT FINISH |
| 2XS 980 660-417 | 2311BULK (Pack of 4) | |
| 2XS 980 660-421 | 2311P | POLISHED FINISH |
| 2XS 980 660-437 | 2311PBULK (Pack of 4) | |

Other specifications as per 2PF 980 660-201.

## DuraLED® Supplementary Side Direction Indicator Lamp (Cat. 5)

LED supplementary side direction indicator featuring amber impact resistant polycarbonate lens and HELLA's Ultra Wide Visibility Optics for significantly improved side visibility. Projected luminous area of 51cm². See page 61 for function category details.

| 2BM 959 700-011 | 2031 |
|---|---|
| Mounting | Surface mount with mounting bushes supplied. Suitable for horizontal mounting. |
| Voltage | Multivolt™ for optimum brightness in 12 and 24 volt systems. |
| Power Consumption | 3W |
| Protection | Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS) IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning) |
| Cable Length | Pre-wired with 2.5m of sheathed multi-core cable. |
| Spare Part | 8HG 959 028-011      Screw boss kit |
| Lens Material | Polycarbonate. |
| Compliance | ADR 6/00: Cat 5 |

## DuraLED® Side Marker Lamp with Clear Lens

LED side marker featuring clear impact resistant polycarbonate lens and HELLA's Ultra Wide Visibility Optics for significantly improved side visibility. Optic appears clear until illuminated.

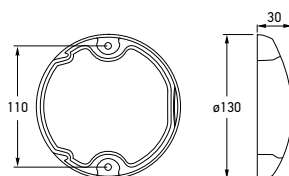| 2PS 959 700-201 | 2033 |
|---|---|
| Mounting | Surface mount with mounting bushes supplied. |
| Voltage | Multivolt™ for optimum brightness in 12 and 24 volt systems. |
| Power Consumption | 3W |
| Protection | Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS) IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning) |
| Cable Length | Pre-wired with 2.5m of sheathed multi-core cable. |
| Spare Part | 8HG 959 028-011      Screw boss kit |
| Lens Material | Polycarbonate. |
| Compliance | ADR 45/01 |

## DuraLED® Rear Position/ End Outline Lamp

LED rear position/rear end outline lamp featuring red impact resistant polycarbonate lens and HELLA's Ultra Wide Visibility Optics for significantly improved side visibility.

| 2BA 959 700-301 | 2309 |
|---|---|
| Mounting | Surface mount with mounting bushes supplied. Suitable for horizontal mounting. |
| Voltage | Multivolt™ for optimum brightness in 12 and 24 volt systems. |
| Power Consumption | 3W |
| Protection | Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS) IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning) |
| Cable Length | Pre-wired with 2.5m of sheathed multi-core cable. |
| Spare Part | 8HG 959 028-011      Screw boss kit |
| Lens Material | Polycarbonate. |
| Compliance | ADR 49/00 |

**MARKER AND SIGNAL LAMPS**

### EuroLED® Stop/Rear Position Lamp

EuroLED® stop, rear position lamp with red lens. The use of precision optics enable a single high intensity LED to be used in a commercial vehicle lamp, resulting in low power consumption. Features HELLA Ultra Wide Visibility Optics for significantly improved side visibility.

| 2SB 959 821-001 | 2366 | |
|---|---|---|
| 2SB 959 821-007 | 2366BULK | PACK OF 12 |
| Mounting | Surface mount with mounting bushes supplied. | |
| Voltage | Multivolt™ for optimum brightness at input voltages from 9 to 33 volts. | |
| Power Consumption | Stop: 2.5W<br>Rear position: 0.5W | |
| Protection | Reverse polarity and 1500 watt Transient Voltage Suppressor (TVS)<br>IP 6K6 (Protection against dust and high-pressure water jets)<br>IP 6K7 (Protection against dust and temporary water immersion) | |
| Cable Length | Pre-wired with 2.5m of sheathed multi-core cable. | |
| Compliance | ADR 49/00    (E4) 10208    ECE R7/02 | |

See page 65 for EuroLED® accessories.

### EuroLED® Rear Direction Indicator Lamp

EuroLED® rear direction indicator lamp with amber lens and single LED. Features HELLA Ultra Wide Visibility Optics for significantly improved side visibility.
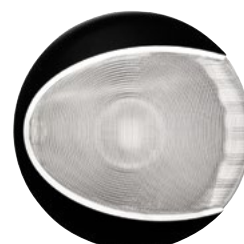
| 2BA 959 822-001 | 2133 | |
|---|---|---|
| 2BA 959 822-007 | 2133BULK | PACK OF 12 |
| 2BA 959 822-641 | 2133CS | HCS TECHNOLOGY |
| Mounting | Surface mount with mounting bushes supplied. | |
| Voltage | Multivolt™ for optimum brightness at input voltages from 9 to 33 volts. | |
| Power Consumption | 2.5W | |
| Protection | As per 2SB 959 821-001. | |
| Cable Length | Pre-wired with 2.5m of sheathed multi-core cable. | |
| Compliance | ADR 6/00: Cat 2a    (E4) 10208    ECE R6/01<br>ISO 13207-1 (2BA 959 822-641 only) | |

See page 16 for further information on HCS Technology and ISO 13207-1.

### EuroLED® Reversing Lamp

EuroLED® reversing lamp with clear lens and single LED.

| 2ZR 959 820-001 | 1433 | |
|---|---|---|
| 2ZR 959 820-007 | 1433BULK | PACK OF 12 |
| Mounting | Surface mount with mounting bushes supplied. | |
| Voltage | Multivolt™ for optimum brightness at input voltages from 9 to 33 volts. | |
| Power Consumption | 2.5W | |
| Protection | As per 2SB 959 821-001. | |
| Cable Length | Pre-wired with 2.5m of sheathed multi-core cable. | |
| Compliance | ADR 1/00    (E4) 10208    ECE R23/00 | |

Reversing lamps are not designed for continuous operation.

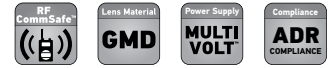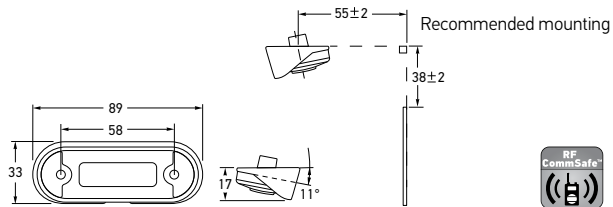## DuraLED® Surface Mount Number Plate Insert

White DuraLED® number plate insert featuring a low profile of only 17mm and an ultra durable Grilamid® nylon lens for extreme impact, UV, chemical and stress resistance. Two inserts per number plate are required for compliance. Can be mounted either above or beside the number plate. Optic appears clear until illuminated.
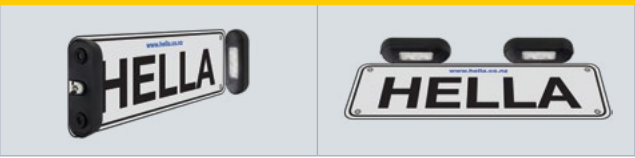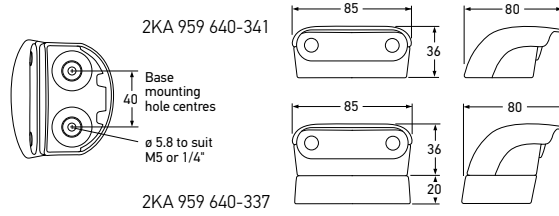
55±2   Recommended mounting

38±2

89

58

33

17   11°

8HG 958 029-001

| 2KA 980 869-001 | 2560 | |
|---|---|---|
| 2KA 980 869-027 | 2560BULK | PACK OF 16 |
| Mounting | Surface mount. | |
| Voltage | Multivolt™ for optimum brightness in 12 and 24 volt systems. | |
| Power Consumption | 0.5W | |
| Protection | Reverse polarity protection.<br>IP 6K7 (Protection against dust and temporary water immersion)<br>IP 6K9K (Protection against dust and high pressure/steam jet cleaning) | |
| Cable Length | Pre-wired with 0.5m of multi-core cable.<br>Bulk pack pre-wired with 2.5m of multi-core cable. | |
| Spare Parts | 9HD 980 858-007   Black screw caps (Pack of 4)<br>8HG 958 029-001   Angle mount bracket | |
| Lens Material | High impact and chemical resistant Grilamid® lens | |
| Compliance | ADR 48/00 | |

### NUMBER PLATE LAMP POSITIONING

HELLA

HELLA

**MARKER AND SIGNAL LAMPS**

2KA 959 640-341

Base mounting hole centres
ø 5.8 to suit M5 or 1/4"
40

85 | 36 | 80

85 | 36 | 20 | 80

2KA 959 640-337

## LED Number Plate Lamp

White LED number plate lamp. Bulk version includes 20mm mounting spacer. One lamp required for ADR compliance.

| 2KA 959 640-341 | 2559 | |
| --- | --- | --- |
| 2KA 959 640-337 | 2559BULK | PACK OF 8 |
| Mounting | Surface mount. | |
| Voltage | Multivolt™ for optimum brightness in 12 and 24 volt systems. | |
| Power Consumption | 0.5W | |
| Protection | Reverse polarity protection.<br>IP 6K6 (Protection against dust and high-pressure water jets)<br>IP 6K7 (Protection against dust and temporary water immersion) | |
| Cable Length | Pre-wired with 0.5m of multi-core cable.<br>Bulk pack pre-wired with 2.5m of multi-core cable. | |
| Spare Parts | 2KA 959 640-131    LED insert | |
| Compliance | ADR 48/00          ECE R4/00 | |
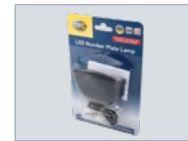
2KA 959 640-341

# Six Function LED Rear Combination Lamp

LED Stop/Rear Position/Rear Direction Indicator/Reverse Lamp with Retro Reflector and Number Plate Option
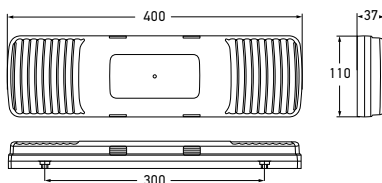
**Combination Lamp with Attractive Retail Packaging**

These stylish lamps combine form with function, incorporating stop, rear position, rear direction indicator and reverse lamps with a central reflector, and offers an optional number plate lamp function. To combine all rear marker and signal functions in a single lamp with a five core cable allows for a tangible reduction in installation time.

This lamp is protected by a lens made of specially formulated high impact acrylic, which is resistant to long-term harsh UV exposure and tolerant to chemicals commonly used in the transport industry. Our team designed this lamp to HELLA's Fit and Forget standard, to withstand the most demanding environments.

All features of this six function rear combination lamp, including the latest ISO 13207-1 compliance, are designed to ensure lowest cost of ownership for the astute transport operator.

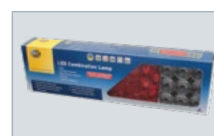## LED Stop/Rear Position/Rear Direction Indicator/Reversing Lamp with Retro Reflector

LED combination lamp with 64cm² red retro reflector. Modern clear lens design with black mounting base. Features HCS Technology with ISO 13207-1 compliance. Shockproof and fully sealed to withstand water submersion and high-pressure washing. Direction indicator optic appears clear until illuminated.



2VP 980 980-001

| 2VP 980 980-001 | 2391 | | HCS TECHNOLOGY |
|---|---|---|---|
| Mounting | Surface mount with mounting accessories supplied. Suitable for horizontal mounting. | | |
| Voltage | Multivolt™ for optimum brightness in 12 and 24 volt systems. | | |
| Power Consumption | Stop: | 5W | |
| | Rear position: | <2W | |
| | Rear direction indicator: | 6W | |
| | Reverse: | 5W | |
| Protection | Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS). IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning) | | |
| Cable Length | Pre-wired with 2.5m of sheathed multi-core cable. | | |
| Spare Part | 8HG 958 421-381 | Mounting pack | |
| Compliance | ADR 1/00   ADR 6/00: Cat 2a   ADR 47/00   ADR 49/00   ISO 13207-1 | | |
| See page 16 for further information on HCS Technology and ISO 13207-1. | | | |

**COMBINATION LAMP FUNCTIONS**



Stop      Rear position      Rear direction indicator      Reverse

## LED Stop/Rear Position/Rear Direction Indicator/Reversing Lamp with Retro Reflector and Number Plate Function

LED combination lamp with 64cm² red retro reflector and number plate function. Modern clear lens design with black mounting base. Features HCS Technology with ISO 13207-1 compliance. Shockproof and fully sealed to withstand water submersion and high-pressure washing. Direction indicator optic appears clear until illuminated.
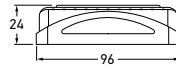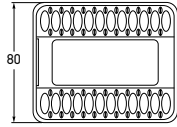


2VD 980 980-011

| 2VD 980 980-011 | 2392L | | LEFT HAND SIDE |
|---|---|---|---|
| 2VD 980 980-021 | 2392R | | RIGHT HAND SIDE |
| Mounting | Surface mount with mounting accessories supplied. Suitable for horizontal mounting. | | |
| Voltage | Multivolt™ for optimum brightness in 12 and 24 volt systems. | | |
| Power Consumption | Stop: | 5W | |
| | Rear position/Number plate: | <2W | |
| | Rear direction indicator: | 6W | |
| | Reverse: | 5W | |
| Protection | Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS). IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning) | | |
| Cable Length | Pre-wired with 2.5m of sheathed multi-core cable. | | |
| Spare Part | 8HG 958 421-381 | Mounting pack | |
| Compliance | ADR 1/00   ADR 6/00: Cat 2a   ADR 47/00   ADR 48/00   ADR 49/00 ISO 13207-1 | | |
| See page 16 for further information on HCS Technology and ISO 13207-1. | | | |

**COMBINATION LAMP FUNCTIONS**



Stop      Rear position      Rear direction indicator      Reverse      Number plate

## LED Stop/Rear Position/ Rear Direction Indicator Lamp

LED stop, rear position and rear direction indicator lamp with 18cm² red retro reflector. Modern clear lens design with black mounting base. Low power consumption and long life equates to economical running costs. Convenient mounting base with multiple fixing points allow easy fitment to most trailers/vehicles. The lamp is fully sealed against dust and moisture ingress. Optic appears clear until illuminated.

| RF CommSafe® | Lens Material GMD | Power Supply MULTI VOLT | Technology EDT | Compliance ADR COMPLIANCE |
|---|---|---|---|---|

| 2VA 980 720-071 | 2394 | |
|---|---|---|
| **2VA 980 720-077** | **2394BULK** | PACK OF 18 |
| **2VA 980 720-021** | **23946M** | |
| **2VA 980 720-027** | **23946MBULK** | PACK OF 10 |

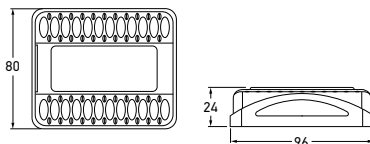| | |
|---|---|
| Mounting | Surface mount with choice of mounting holes. Lamp clips into mounting base. Suitable for horizontal or vertical mounting. |
| Voltage | Multivolt™ for optimum brightness in 12 and 24 volt systems. |
| Power Consumption | Stop: 2W<br>Rear position: 1W<br>Rear direction indicator: 2W |
| Protection | Reverse polarity and transient spike circuit protection.<br>IP 6K7 (Protection against dust and temporary water immersion)<br>IP 6K9K (Protection against dust and high-pressure/steam jet cleaning) |
| Cable Length | 2VA 980 720-071  Pre-wired with 0.5m of sheathed multi-core cable.<br>2VA 980 720-077  Pre-wired with 6m of sheathed multi-core cable. |
| Spare Parts | 8HG 980 726-001  Mounting base<br>8HG 980 727-002  Mounting spacer (Not included) |
| Lens Material | High impact and chemical resistant Grilamid® lens |
| Compliance | ADR 6/00: Cat 2a        ADR 47/00        ADR 49/00 |

8HG 980 727-002 Mounting spacer (Not included with lamp)

2VA 980 720-071

### TRAILER LAMP FUNCTIONS

Stop

Rear direction indicator

Rear position

| Compliance | Technology | Power Supply | Lens Material | RF CommSafe® |
|---|---|---|---|---|
| **ADR** COMPLIANCE | **EDT** | **MULTI VOLT™** | **GMD** | ((⌷)) |

80
24
96

| 2VB 980 720-561 | 2395 | |
|---|---|---|
| 2VB 980 720-567 | 2395BULK | PACK OF 18 |
| 2VB 980 720-511 | 23956M | |
| 2VB 980 720-513 | 23956MBULK | PACK OF 10 |

| | |
|---|---|
| Mounting | Surface mount with choice of mounting holes. Lamp clips into mounting base. Suitable for horizontal or vertical mounting. |
| Voltage | Multivolt™ for optimum brightness in 12 and 24 volt systems. |
| Power Consumption | Stop: 2W<br>Rear position/Number plate: 1W<br>Rear direction indicator: 2W |
| Protection | Reverse polarity and transient spike circuit protection.<br>IP 6K7 (Protection against dust and temporary water immersion)<br>IP 6K9K (Protection against dust and high-pressure/steam jet cleaning) |
| Cable Length | 2VB 980 720-561 Pre-wired with 0.5m of sheathed multi-core cable.<br>2VB 980 720-567 Pre-wired with 6m of sheathed multi-core cable. |
| Spare Parts | 8HG 980 726-001 Mounting base<br>8HG 980 727-002 Mounting spacer (Not included)<br>9GH 958 748-007 Number plate rubber mounting spacer (Not included) |
| Lens Material | High impact and chemical resistant Grilamid® lens |
| Compliance | ADR 6/00: Cat 2a    ADR 47/00    ADR 48/00    ADR 49/00 |

**TRAILER LAMP FUNCTIONS**

Stop

Rear direction indicator

Rear position/ Number plate

## LED Stop/Rear Position/Rear Direction Indicator Lamp with Number Plate Function

LED stop, rear position and rear direction indicator lamp with 18cm² red retro reflector and number plate function. Modern clear lens design with black mounting base. Low power consumption and long life equates to economical running costs. Convenient mounting base with multiple fixing points allow easy fitment to most trailers/vehicles. The lamp is fully sealed against dust and moisture ingress. Optic appears clear until illuminated.

8HG 980 727-002 Mounting spacer (Not included with lamp)

2VB 980 720-561

9GH 958 748-007 Number plate rubber mounting spacer (Not included with lamp)

## LED Combination Lamp Trailer Kit

LED trailer lamp incorporating a modern clear lens design with an 18cm² red retro reflector. The optic in the lamp appears clear until illuminated.
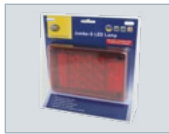
| Compliance | Technology | Power Supply | Lens Material | RF CommSafe® |
|---|---|---|---|---|
| **ADR** COMPLIANCE | **EDT** | **MULTI VOLT™** | **GMD** | ((⌷)) |

| 2VB 980 720-801 | 2395TP | |
|---|---|---|

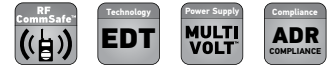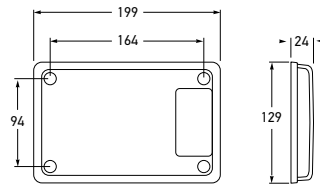| | |
|---|---|
| Lens Material | High impact and chemical resistant Grilamid® lens |
| Kit Contents | Each trailer lamp kit contains:<br><br>1 x 2VA 980 720-071    Stop/rear position/rear direction indicator lamp with reflex reflector.<br>1 x 2VB 980 720-561    Stop/rear position/rear direction indicator/ Number plate lamp function with reflex reflector.<br>8 x Connectors    Crimp connectors with heat shrink insulation.<br>(8KW 980 302-132) |

## Jumbo-S LED Stop/ Rear Position Lamp

Jumbo-S LED stop, rear position lamp with inbuilt 23cm² red retro reflector, featuring Enhanced Definition Technology (EDT) for the stop signal function. New low profile design allows surface mounting complete with mounting gaskets and screws.

2TA 980 760-032

| 2TA 980 760-031 | 2361 | | |
|---|---|---|---|
| 2TA 980 760-032 | 2361BL | ▭ | BLISTER PACK |
| Mounting | Surface mount with mounting bolts supplied. Suitable for horizontal or vertical mounting. | | |
| Voltage | Multivolt™ for optimum brightness in 12 and 24 volt systems. | | |
| Power Consumption | Stop:          5W Rear position:    1W | | |
| Protection | Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS) IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning) | | |
| Cable Length | Pre-wired with 200mm of cable. | | |
| Compliance | ADR 47/00          ADR 49/00 | | |

See page 66 for Jumbo-S accessories.

## Jumbo-S LED Rear Direction Indicator Lamp

Jumbo-S LED rear direction indicator lamp with inbuilt 23cm² red retro reflector. New low profile design allows surface mounting complete with mounting gaskets and screws. Features HCS Technology with ISO 13207-1 compliance.

2BR 980 761-052

| 2BR 980 761-051 | 2161 | | |
|---|---|---|---|
| 2BR 980 761-052 | 2161BL | ▭ | BLISTER PACK |
| 2BR 980 761-061 | 2161CS | | HCS TECHNOLOGY |
| Mounting | Surface mount with mounting bolts supplied. Suitable for horizontal or vertical mounting. | | |
| Voltage | Multivolt™ for optimum brightness in 12 and 24 volt systems. | | |
| Power Consumption | 4W | | |
| Protection | As per 2SB 980 760-031 | | |
| Cable Length | Pre-wired with 200mm of cable. | | |
| Compliance | ADR 6/00: Cat 2a          ADR 47/00          ISO 13207-1 (2BR 980 761-061 only) | | |

See page 16 for further information on HCS Technology and ISO 13207-1.
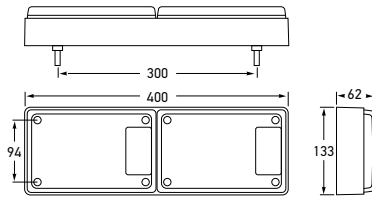
## Jumbo-S LED Reversing Lamp

Jumbo-S LED reversing lamp with inbuilt 23cm² red retro reflector. New low profile design allows surface mounting complete with mounting gaskets and screws.

| 2ZR 980 762-031 | 1461 |
|---|---|
| Mounting | Surface mount with mounting bolts supplied. Suitable for horizontal or vertical mounting. |
| Voltage | Multivolt™ for optimum brightness in 12 and 24 volt systems. |
| Power Consumption | 4W |
| Protection | Reverse polarity and transient spike circuit protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning) |
| Cable Length | Pre-wired with 200mm of cable. |
| Compliance | ADR 1/00          ADR 47/00 |

Reversing lamps are not designed for continuous operation.

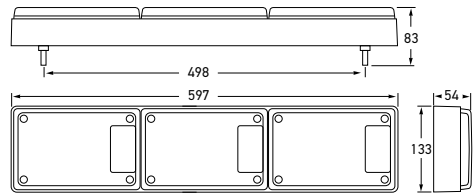## Jumbo-S LED Double Module Stop/Rear Position/Rear Direction Indicator Lamp

Jumbo-S LED stop, rear position, rear direction indicator lamp with 23cm² red retro reflectors. Lamps are pre-assembled and wired into housing for easy installation. Features HCS Technology with ISO 13207-1 compliance. (See page 16 for further information on HCS Technology and ISO 13207-1).

| 2VA 980 761-801 | 2429CS | HCS TECHNOLOGY |
|---|---|---|
| Mounting | Surface mount with mounting bolts supplied. Suitable for horizontal or vertical mounting. | |
| Voltage | Multivolt™ for optimum brightness in 12 and 24 volt systems. | |
| Power Consumption | Stop: 5W  Rear position: 1W  Rear direction indicator: 4W | |
| Protection | Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS)  IP 6K7 (Protection against dust and temporary water immersion)  IP 6K9K (Protection against dust and high-pressure/steam jet cleaning) | |
| Cable Length | Pre-wired with 2m of sheathed multi-core cable. | |
| Compliance | ADR 6/00: Cat 2a    ADR 47/00    ADR 49/00    ISO 13207-1 | |

See page 66 for Jumbo-S and Designline accessories.

## Jumbo-S LED Triple Module Stop/Rear Position/Rear Direction Indicator Lamp

Jumbo-S LED stop, rear position, rear direction indicator lamp with 23cm² red retro reflectors. Lamps are pre-assembled and wired into housing for easy installation. Features HCS Technology with ISO 13207-1 compliance. (See page 16 for further information on HCS Technology and ISO 13207-1).

| 2VA 980 761-811 | 2430CS | HCS TECHNOLOGY |
|---|---|---|
| Mounting | As per 2VA 980 761-801 | |
| Voltage | Multivolt™ for optimum brightness in 12 and 24 volt systems. | |
| Power Consumption | Stop: 5W x 2  Rear position: 1W x 2  Rear direction indicator: 4W | |
| Protection | As per 2VA 980 761-801. | |
| Cable Length | Pre-wired with 2m of sheathed multi-core cable. | |
| Compliance | ADR 6/00: Cat 2a    ADR 47/00    ADR 49/00    ISO 13207-1 | |

## Jumbo-S LED Triple Module Stop/Rear Position/Rear Direction Indicator/Reversing Lamp

Jumbo-S LED stop, rear position, rear direction indicator and reversing lamp with 23cm² red retro reflectors. Lamps are pre-assembled and wired into housing for easy installation. Features HCS Technology with ISO 13207-1 compliance. (See page 16 for further information on HCS Technology and ISO 13207-1).

| 2VP 980 761-821 | 2431CS | HCS TECHNOLOGY |
|---|---|---|
| Mounting | As per 2VA 980 761-801. | |
| Voltage | Multivolt™ for optimum brightness in 12 and 24 volt systems. | |
| Power Consumption | Stop 5W  Rear position: 1W  Rear direction indicator: 4W  Reversing: 4W | |
| Protection | As per 2VA 980 761-801. | |
| Cable Length | Pre-wired with 2m of sheathed multi-core cable. | |
| Compliance | ADR 1/00          ADR 6/00: Cat 2a          ADR 47/00  ADR 49/00          ISO 13207-1 | |

## Designline LED Module Stop/ Rear Position Lamp

Designline LED Multivolt™ module designed to update existing bulb type Jumbo or Designline lamps. Features HELLA Ultra Wide Visibility Optics for significantly improved side visibility.
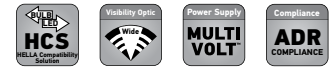


Vertical mount
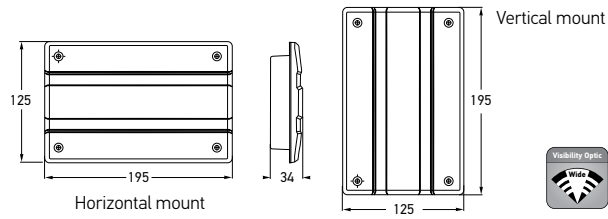
Horizontal mount

| 2SB 959 040-501 | 2332H24 | HORIZONTAL |
|---|---|---|
| 2SB 959 040-701 | 2332V24 | VERTICAL |
| Mounting | Recess mount. | |
| Voltage | Multivolt™ for optimum brightness at input voltages from 9 to 33 volts. | |
| Power Consumption | Stop: 6W Rear position: 2W | |
| Protection | Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS). | |
| Cable Length | Pre-wired with 200mm of cable. | |
| Compliance | ADR 49/00 | |

See page 66 for Designline accessories.

## Designline LED Module Rear Direction Indicator Lamp

Designline LED Multivolt™ module designed to update existing bulb type Jumbo or Designline lamps. Features HELLA Ultra Wide Visibility Optics for significantly improved side visibility.

| 2BA 959 041-501 | 2146H24 | HORIZONTAL |
|---|---|---|
| 2BA 959 041-701 | 2146V24 | VERTICAL |
| 2BA 959 041-511 | 2146HCS (Incorporates HCS Technology) | HORIZONTAL |
| Mounting | Recess mount. | |
| Voltage | Multivolt™ for optimum brightness at input voltages from 9 to 33 volts. | |
| Power Consumption | 2BA 959 041-501/2BA 959 041-701: 6W 2BA 959 041-511: 5W | |
| Protection | Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS). | |
| Cable Length | Pre-wired with 200mm of cable. | |
| Compliance | ADR 6/00: Cat 2a   ISO 13207-1 (2BA 959 041-511 only) | |

See page 16 for further information on HCS Technology and ISO 13207-1.
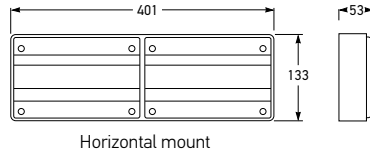
## Designline LED Module Reversing Lamp

Designline LED Multivolt™ module designed to update existing Designline lamps. The high performance module features 36 High Efficacy LEDs that more than triples the raw lumen output over the standard module. High precision optics ensure ADR compliance by focusing the majority of light down ensuring wide illumination and improved safety when reversing.



| 2ZR 959 041-321 | 1446H | HORIZONTAL |
|---|---|---|
| Mounting | Recess mount. | |
| Voltage | Multivolt™ for optimum brightness at input voltages from 9 to 33 volts. | |
| Power Consumption | 4W | |
| Protection | Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS). | |
| Cable Length | Pre-wired with 200mm of cable. | |
| Compliance | ADR 1/00 | |

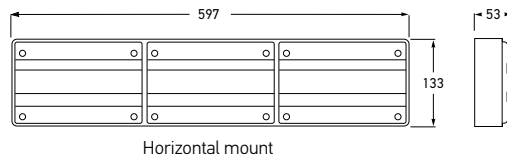Reversing lamps are not designed for continuous operation.

## Designline LED Double Module Stop/Rear Position/Rear Direction Indicator Lamp

Double Designline LED module pre-assembled and wired for easy installation. Features a 2m wiring loom and encapsulated bolts so lamp does not have to be disassembled to mount. Features HELLA Ultra Wide Visibility Optics for significantly improved side visibility.

401 | 53

Horizontal mount

133

| 2SD 959 040-801 | 2426H | | HORIZONTAL |
|---|---|---|---|
| Mounting | Surface mount. | | |
| Voltage | Multivolt™ for optimum brightness at input voltages from 9 to 33 volts. | | |
| Power Consumption | Stop: | 6W | |
| | Rear position: | 2W | |
| | Rear direction indicator: | 6W | |
| Cable Length | Pre-wired with 2m of multi-core cable. | | |
| Spare Part | 9BG 958 559-011 | Double housing | |
| Compliance | ADR 6/00: Cat 2a | ADR 49/00 | |

See page 66 for Designline accessories.

## Designline LED Triple Module Stop/Rear Position/Rear Direction Indicator Lamp

Triple Designline LED module pre-assembled and wired for easy installation. Features a 2m wiring loom and encapsulated bolts so lamp does not have to be disassembled to mount. Features HELLA Ultra Wide Visibility Optics for significantly improved side visibility.

597 | 53

Horizontal mount

133

| 2SD 959 040-811 | 2427H | | HORIZONTAL |
|---|---|---|---|
| Mounting | Surface mount. | | |
| Voltage | Multivolt™ for optimum brightness at input voltages from 9 to 33 volts. | | |
| Power Consumption | Stop: | 6W x2 | |
| | Rear position: | 2W x2 | |
| | Rear direction indicator: | 6W | |
| Cable Length | Pre-wired with 2m of multi-core cable. | | |
| Spare Part | 9BG 958 615-011 | Triple housing | |
| Compliance | ADR 6/00: Cat 2a | ADR 49/00 | |

## Designline LED Triple Module Stop/Rear Position/Rear Direction Indicator/Reversing Lamp

| 2SK 959 041-811 | 2428H | | HORIZONTAL |
|---|---|---|---|
| Mounting | Surface mount. | | |
| Voltage | Multivolt™ for optimum brightness at input voltages from 9 to 33 volts. | | |
| Power Consumption | Stop: | 6W | |
| | Rear position: | 2W | |
| | Rear direction indicator: | 6W | |
| | Reverse: | 4W | |
| Cable Length | Pre-wired with 2m of multi-core cable. | | |
| Spare Part | 9BG 958 615-011 | Triple housing | |
| Compliance | ADR 1/00 | ADR 6/00: Cat 2a | ADR 49/00 |

Reversing lamps are not designed for continuous operation.

## Jumbo LED Module Stop/ Rear Position Lamp with Red Retro Reflector

Jumbo LED Multivolt™ module designed to update existing Jumbo or Designline lamps with Enhanced Definition Technology (EDT). Reflector area 33cm².
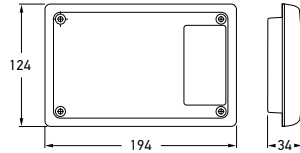
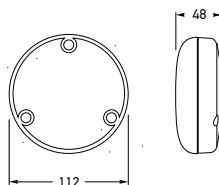| 2TA 959 030–101 | 2317 | |
|---|---|---|
| Mounting | Recess mount. Suitable for horizontal or vertical mounting. | |
| Voltage | Multivolt™ for optimum brightness at input voltages from 9 to 33 volts. | |
| Power Consumption | Stop: 6W Rear position: 2W | |
| Protection | Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS). | |
| Cable Length | Pre-wired with 200mm of cable. | |
| Compliance | ADR 47/00          ADR 49/00 | |

See page 66 for Jumbo accessories.

## Jumbo LED Module Rear Direction Indicator Lamp with Red Retro Reflector

Jumbo LED Multivolt™ module designed to update existing Jumbo or Designline lamps. Reflector area 33cm².

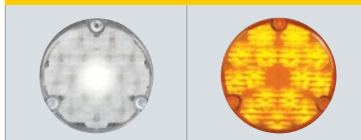| 2BR 959 031–001 | 2138 | |
|---|---|---|
| Mounting | Recess mount. Suitable for horizontal or vertical mounting. | |
| Voltage | Multivolt™ for optimum brightness at input voltages from 9 to 33 volts. | |
| Power Consumption | 9W | |
| Protection | Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS). | |
| Cable Length | Pre-wired with 200mm of cable. | |
| Compliance | ADR 6/00: Cat 2a          ADR 47/00 | |

See page 66 for Jumbo accessories.

**MARKER AND SIGNAL LAMPS**

48

112

| 2BA 959 932-311 | 2135LED | BLACK BASE |
|---|---|---|
| Mounting | Surface mount only with lens engraving "TOP" located correctly. | |
| Voltage | Multivolt™ for optimum brightness at input voltages from 9 to 33 volts. | |
| Power Consumption | 4W | |
| Protection | Reverse polarity and 1500 watt Transient Voltage Suppressor (TVS)<br>IP 6K6 (Protection against dust and high-pressure water jets)<br>IP 6K7 (Protection against dust and temporary water immersion) | |
| Cable Length | Pre-wired with 200mm of cable. | |
| Compliance | ADR 6/00: Cat 1 | |

### 110mm Round LED Front Direction Indicator Lamp - Amber Lens

LED front direction indicator specifically designed for trucks, buses and motor homes.

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**LAMP FUNCTIONS**

Front position          Direction indicator

### 110mm Round LED Front Position/ Front Direction Indicator Lamp - Clear Lens

LED front direction indicator and front position lamp specifically designed for commercial transport, buses, caravans and trailers. Direction indicator optic appears clear until illuminated.

| 2BE 959 932-152 | 2131CS | HCS TECHNOLOGY |
|---|---|---|
| Mounting | Surface mount only with lens engraving "TOP" located correctly. | |
| Voltage | Multivolt™ for optimum brightness at input voltages from 9 to 33 volts. | |
| Power Consumption | Front position: <1W    Front direction indicator: 3W | |
| Protection | Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS).<br>IP 6K7 (Protection against dust and temporary water immersion)<br>IP 6K9K (Protection against dust and high-pressure/steam jet cleaning) | |
| Cable Length | Pre-wired with 200mm of cable. | |
| Compliance | ADR 6/00: Cat 1    ADR 49/00    ECE R6/01<br>ECE R7/02    E24 5851    ISO 13207-1 | |

See page 16 for further information on HCS Technology and ISO 13207-1. Diagram as per 2BA 959 932-311

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120          62
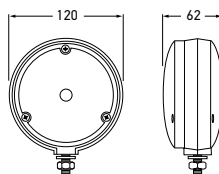
### LED Front Direction Indicator Lamp

Single-sided LED front direction indicator fitted with high-intensity LED insert and black housing. Fully sealed to withstand high-pressure washing.

| 2BA 959 932-301 | 2128LED | AMBER LENS |
|---|---|---|
| Mounting | Single bolt mount. | |
| Voltage | Multivolt™ for optimum brightness at input voltages from 9 to 33 volts. | |
| Power Consumption | 4W | |
| Protection | As per 2BA 959 932-311 | |
| Cable Length | Pre-wired with 200mm of cable. | |
| Compliance | ADR 6/00: Cat 1 | |

See page 61 for function category details.

# 110MM ROUND LED - REAR

## 110mm Round LED Stop/ Rear Position Lamp

110mm round LED stop, rear position lamp specifically designed for commercial transport, buses, caravans and trailers. Features low power consumption and impact resistant acrylic lens.

Black base

Chrome base

2SB 959 931-111

| 2SB 959 931-121 | 2359 | CHROME BASE |
|---|---|---|
| 2SB 959 931-111 | 2367 | BLACK BASE |

| | |
|---|---|
| Mounting | Surface mount only with lens engraving "TOP" located correctly. |
| Voltage | Multivolt™ for optimum brightness at input voltages from 9 to 33 volts. |
| Power Consumption | Stop: 3W<br>Rear position: 1W |
| Protection | Reverse polarity and 1500 watt Transient Voltage Suppressor (TVS)<br>IP 6K6 (Protection against dust and high-pressure water jets)<br>IP 6K7 (Protection against dust and temporary water immersion) |
| Cable Length | Pre-wired with 200mm of cable. |
| Compliance | ADR 49/00 |

## 110mm Round LED Rear Direction Indicator Lamp

2BA 959 932-711

| 2BA 959 932-272 | 2159 | CHROME BASE |
|---|---|---|
| 2BA 959 932-711 | 2167 | BLACK BASE |

| | |
|---|---|
| Mounting | Surface mount only with lens engraving "TOP" located correctly. |
| Voltage | Multivolt™ for optimum brightness at input voltages from 9 to 33 volts. |
| Power Consumption | 3W |
| Protection | As per 2SB 959 931-121 |
| Cable Length | Pre-wired with 200mm of cable. |
| Compliance | ADR 6/00: Cat 2a |

See page 16 for further information on HCS Technology and ISO 13207-1.
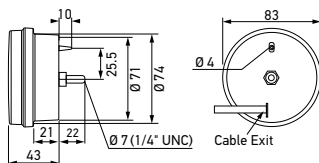
## 110mm Round LED Reversing Lamp

2ZR 959 930-111

| 2ZR 959 930-121 | 1459 | CHROME BASE |
|---|---|---|
| 2ZR 959 930-111 | 1467 | BLACK BASE |

| | |
|---|---|
| Mounting | Surface mount only with lens engraving "TOP" located correctly. |
| Voltage | Multivolt™ for optimum brightness at input voltages from 9 to 33 volts. |
| Power Consumption | 5W |
| Protection | As per 2SB 959 931-121 |
| Cable Length | Pre-wired with 200mm of cable. |
| Compliance | ADR 1/00 |

Reversing lamps are not designed for continuous operation.

## 83mm Round LED Safety DayLights™/Front Position/ Front Direction Indicator Lamp

This LED combination lamp features an integrated Safety DayLights™, front position and front direction indicator function. The lamp features a traditional round lens that illuminates with a distinctive ring of white LEDs when used as a Safety DayLight™. This lamp eliminates the need for installation of multiple lamps. Front position lamp and front direction indicator will extinguish the Safety DayLight™ automatically.
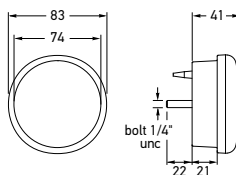
Mounted perpendicular to the vehicle axis

RF CommSafe® | Lens Material GMD | Certified ECE CERTIFIED

| 2BE 980 687-111 | 2108GMD | 12 VOLT |
| 2BE 980 686-011 | 2108GMD24V | 24 VOLT |

| | |
|---|---|
| Mounting | Surface mount. Single bolt 1/4" stainless UNC thread. Nut and washer supplied. |

| Power Consumption | | 2BE 980 687-111 | 2BE 980 686-011 |
|---|---|---|---|
| | Safety DayLights™: | 5W | 5W |
| | Front position: | 1W | 1W |
| | Front indicator: | 4W | 5W |

| | |
|---|---|
| Protection | Reverse polarity and transient spike circuit protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning) |
| Cable Length | Pre-wired with 2.5m of sheathed multi-core cable. |
| Lens Material | High impact and chemical resistant Grilamid® lens |
| Compliance | E24 5921    ECE R6/02    ECE R7/03    ECE R87/01 |

See page 66 for mounting accessories.

### 83MM LAMP FUNCTIONS

| LED Safety DayLights™ | Front position | Front direction indicator |

---

## 83mm Round LED Front Direction Indicator Lamp

Compact, low profile LED front direction indicator fitted with amber polycarbonate lens. Fully sealed to withstand high-pressure washing.

Compliance ADR COMPLIANCE | Power Supply MULTI VOLT™ | Visibility Optic Wide

| 2BA 959 011-121 | 2107 |

| | |
|---|---|
| Mounting | Surface mount. Single bolt 1/4" stainless UNC thread. Nut and washer supplied. |
| Voltage | Multivolt™ for optimum brightness at input voltages from 9 to 33 volts. |
| Power Consumption | 4W |
| Protection | Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS) IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning) |
| Cable Length | Pre-wired with 2.5m of sheathed multi-core cable. |
| Compliance | ADR 6/00: Cat 1 |

## 83mm Round LED Stop/Rear Position Lamp

83mm diameter LED stop, rear position lamp with single bolt mount, featuring Enhanced Definition Technology (EDT). Features HELLA Ultra Wide Visibility Optics for significantly improved side visibility.
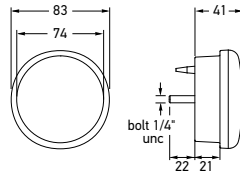
2SB 959 010-032
Rear position

2SB 959 010-041

| 2SB 959 010-032 | 2390 | | |
|---|---|---|---|
| 2SB 959 010-041 | 2390BL | ▬ | BLISTER PACK |
| 2SB 959 010-037 | 2390BULK | | PACK OF 10 |
| Mounting | Surface mount. Single bolt 1/4" stainless UNC thread. Nut and washer supplied. | | |
| Voltage | Multivolt™ for optimum brightness at input voltages from 9 to 33 volts. | | |
| Power Consumption | Stop: 3W<br>Rear position: 1W | | |
| Protection | Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS)<br>IP 6K7 (Protection against dust and temporary water immersion)<br>IP 6K9K (Protection against dust and high-pressure/steam jet cleaning) | | |
| Cable Length | Pre-wired with 2.5m of sheathed multi-core cable. | | |
| Compliance | ADR 49/00   (E4) 11391   ECE R7/02 | | |
| See page 66 for mounting accessories. | | | |

## 83mm Round LED Rear Direction Indicator Lamp

83mm diameter LED rear direction indicator lamp with single bolt mount. Features HELLA Ultra Wide Visibility Optics for significantly improved side visibility.

2BA 959 011-031

| 2BA 959 011-013 | 2130 | | |
|---|---|---|---|
| 2BA 959 011-031 | 2130BL | ▬ | BLISTER PACK |
| 2BA 959 011-003 | 2130BULK | | PACK OF 10 |
| Mounting | Surface mount. Single bolt 1/4" stainless UNC thread. Nut and washer supplied. | | |
| Voltage | Multivolt™ for optimum brightness at input voltages from 9 to 33 volts. | | |
| Power Consumption | 2W | | |
| Protection | As per 2SB 959 010-032 | | |
| Cable Length | Pre-wired with 2.5m of sheathed multi-core cable. | | |
| Compliance | ADR 6/00: Cat 2a   (E4) 11391   ECE R6/01 | | |
| Contact HELLA for 24 volt HCS version. | | | |

## 83mm Round LED Reversing Lamp
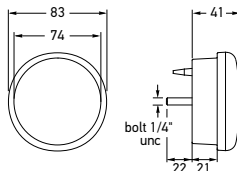
83mm diameter LED reversing lamp with single bolt mount.

2ZR 959 010-521

| 2ZR 959 010-512 | 1490 | | |
|---|---|---|---|
| 2ZR 959 010-521 | 1490BL | ▬ | BLISTER PACK |
| 2ZR 959 010-517 | 1490BULK | | PACK OF 10 |
| Mounting | Surface Mount. Single bolt 1/4" stainless UNC thread. Nut and washer supplied. | | |
| Voltage | Multivolt™ for optimum brightness at input voltages from 9 to 33 volts. | | |
| Power Consumption | 4W | | |
| Protection | As per 2SB 959 010-032 | | |
| Cable Length | Pre-wired with 2.5m of sheathed multi-core cable. | | |
| Compliance | ADR 1/00   (E4) 11391   ECE R23/00 | | |
| Reversing lamps are not designed for continuous operation. | | | |

## 83mm Round LED Stop/ Rear Position/Rear Direction Indicator Lamp

83mm diameter LED stop, rear position and rear direction indicator lamp with single bolt mount.

| 2SD 959 010-203 | 2399 | | |
|---|---|---|---|
| 2SD 959 010-231 | 2399BL | ▭ | BLISTER PACK |
| 2SD 959 010-217 | 2399BULK | | PACK OF 10 |
| Mounting | Surface mount. Single bolt 1/4" stainless UNC thread. Nut and washer supplied. | | |
| Voltage | Multivolt™ for optimum brightness in 12 and 24 volt systems. | | |
| Power Consumption | Stop: 3W<br>Rear position: 1W<br>Rear direction indicator: 3W | | |
| Protection | Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS)<br>IP 6K7 (Protection against dust and temporary water immersion)<br>IP 6K9K (Protection against dust and high-pressure/steam jet cleaning) | | |
| Cable Length | Pre-wired with 2.5m of sheathed multi-core cable.<br>Bulk pack pre-wired with 6m of sheathed multi-core cable. | | |
| Compliance | ADR 6/00: Cat 2a          ADR 49/00<br>(E9) 1538          ECE R6/01          ECE R7/02 | | |

Contact HELLA for 24 volt HCS version. See page 66 for mounting accessories.

2SD 959 010-231
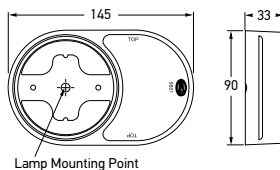
## Red Retro Reflector Base

Red retro reflector to suit 83mm round lamps. Reflector area 31.7cm$^2$.

| 8RA 980 565-102 | 2934H | HORIZONTAL |
|---|---|---|
| Mounting | Utilises bolt mount from 83mm round lamps. | |
| Compliance | ADR 47/00 | |

Lamp Mounting Point

## LED Lighting Trailer Conversion Kit

A complete Fit and Forget solution for small trailers.

| 2VB 959 010-801 | 2399TP | ▣ |
|---|---|---|
| Kit Contents | Each trailer lamp kit contains: | |
| | 2 x 2SD 959 010-203    Combination stop/rear position and rear direction indicator lamp with 6m cable<br>2 x 8RA 980 565-102    Red retro reflector base – horizontal mount<br>1 x 2KA 959 640-341    LED number plate lamp<br>1 x 8JA 910 032-001    7 pole flat plug | |

# LED SURFACE MOUNT STRIP LAMPS

## LED Front Direction Indicator Lamp – Surface Mount

Surface mount LED front direction indicator lamp that is designed with an ultra wide visibility optic for significantly improved side visibility. Featuring a low profile, ultra durable Grilamid® nylon lens for extreme impact, UV, chemical and stress resistance. Optic appears clear until illuminated.

Ultra slim height of only 11mm. Lamp shown active.
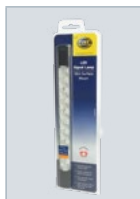
2BA 980 888-322
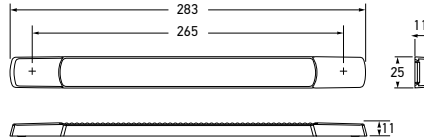
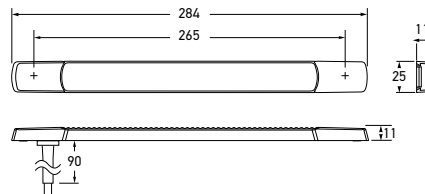| | HORIZONTAL MOUNT | |
|---|---|---|
| 2BA 980 888-301 | 2109 | 12 VOLT |
| 2BA 980 888-322 | 2109BL (Blister Pack) | 12 VOLT |
| 2BA 980 888-401 | 210924V | 24 VOLT |
| | VERTICAL MOUNT | |
| 2BA 980 888-501 | 2109V | 12 VOLT |
| 2BA 980 888-601 | 2109V24V | 24 VOLT |
| Mounting | Suitable for horizontal and vertical mounting with tolerance. See diagrams. | |
| Power Consumption | 3W | |
| Protection | Reverse polarity protection.<br>IP 6K7 (Protection against dust and temporary water immersion)<br>IP 6K9K (Protection against dust and high-pressure/steam jet cleaning) | |
| Cable Length | Pre-wired with 2.5m of sheathed multi-core cable. (Blister packs with 0.5m cable) | |
| Lens Material | High impact and chemical resistant Grilamid® lens | |
| Spare Parts | 9HD 980 885-007     White screw caps (Pack of 4)<br>9HD 980 885-017     Charcoal screw caps (Pack of 4)<br>9HD 980 885-107     Chrome plated screw caps (Pack of 4) | |
| Compliance | ADR 6/00: Cat 1     Horizontal (E24) 5869     Vertical (E24) 5890     ECE R6/01 | |
| See page 64 for surface mount strip lamp screw caps. | | |

## LED Slim Combination Lamp – Surface Mount

Slim surface mount strip lamp available as a combination front direction indicator and position light making it one of the most compact certified front direction/front position lamps available. Featuring a low profile, ultra durable Grilamid® nylon lens for extreme impact, UV, chemical and stress resistance. Optic appears clear until illuminated.

Ultra slim height of only 11mm.

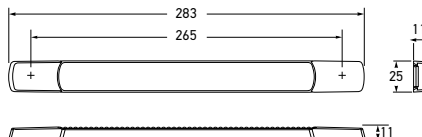| 2BE 980 819-301 | 211012V | 12 VOLT |
|---|---|---|
| 2BE 980 819-401 | 211024V | 24 VOLT |
| Mounting | Suitable for horizontal or vertical mounting with tolerance. | |
| Power Consumption | Front position:           <1W<br>Front direction indicator:    3W | |
| Protection | Reverse polarity protection.<br>IP 6K7 (Protection against dust and temporary water immersion)<br>IP 6K9K (Protection against dust and high-pressure/steam jet cleaning) | |
| Cable Length | Pre-wired with 3m of sheathed multi-core cable. | |
| Lens Material | High impact and chemical resistant Grilamid® lens | |
| Spare Parts | 9HD 980 885-007     White screw caps (Pack of 4)<br>9HD 980 885-017     Charcoal screw caps (Pack of 4)<br>9HD 980 885-107     Chrome plated screw caps (Pack of 4) | |
| Compliance | ADR 49/00: Cat S3       ADR 6/00: Cat 1 | |

### COMBINATION LAMP FUNCTIONS

Front position

Front direction indicator

## LED High Level Brake Lamp – Surface Mount

Surface mount LED high level brake lamp that is designed with an ultra wide visibility optic to suit a wide range of mounting positions and angles. Featuring a low profile, ultra durable Grilamid® nylon lens for extreme impact, UV, chemical and stress resistance. Optic appears clear until illuminated.

| 2DA 980 887-301 | 5245 | 12 VOLT |
|---|---|---|
| 2DA 980 887-401 | 524524V | 24 VOLT |

| Mounting | Suitable for horizontal or vertical mounting with tolerance. See diagrams. |
|---|---|
| Power Consumption | 3W |
| Protection | Reverse polarity protection. IP 6K7 (Protection against dust and temporary water immersion) IP 6K9K (Protection against dust and high-pressure/steam jet cleaning) |
| Cable Length | Pre-wired with 2.5m of sheathed multi-core cable. |
| Lens Material | High impact and chemical resistant Grilamid® lens |
| Spare Parts | 9HD 980 885-007 White screw caps (Pack of 4) 9HD 980 885-017 Charcoal screw caps (Pack of 4) 9HD 980 885-107 Chrome plated screw caps (Pack of 4) |
| Compliance | ADR 49/00: Cat S3   E24 02 0087   ECE R7/02 |

Ultra slim height of only 11mm. Lamp shown active.

## LED Reversing Lamp – Surface Mount

Surface mount LED reversing lamp. Featuring a low profile, ultra durable Grilamid® nylon lens for extreme impact, UV, chemical and stress resistance. Optic appears clear until illuminated.

| | HORIZONTAL MOUNT | |
|---|---|---|
| 2ZR 980 889-001 | 1468 | 12 VOLT |
| 2ZR 980 889-022 | 1468BL (Blister Pack) | |
| 2ZR 980 889-201 | 146824V | 24 VOLT |
| 2ZR 980 889-222 | 146824VBL (Blister Pack) | |
| | VERTICAL MOUNT | |
| 2ZR 980 889-101 | 1468V | 12 VOLT |

| Cable Length | Pre-wired with 2.5m of sheathed multi-core cable. (Blister packs with 0.5m cable) |
|---|---|
| Compliance | Horizontal E24 0027   Vertical E24 0028   ECE R23/00 |

Other specifications as per 2DA 980 887-301.
Reversing lamps are not designed for continuous operation.

Ultra slim height of only 11mm. Lamp shown active.

2ZR 980 889-022

**MOUNTING DIAGRAMS**

| 2DA 980 887-301, 2DA 980 887-401 | 2DA 980 887-301, 2DA 980 887-401 | 2ZR 980 889-001, 2ZR 980 889-022, 2ZR 980 889-201, 2ZR 980 889-222 | 2ZR 980 889-101 |
|---|---|---|---|

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

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

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

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

# LED SURFACE MOUNT STRIP LAMPS

## LED Stop/Rear Position Lamp – Surface Mount

Surface mount LED stop/rear position lamp that features Enhanced Definition Technology (EDT) and is designed with an ultra wide visibility optic for significantly improved side visibility. Featuring a low profile, ultra durable Grilamid® nylon lens for extreme impact, UV, chemical and stress resistance. Optic appears clear until illuminated.

Ultra slim height of only 11mm. Lamp shown active.
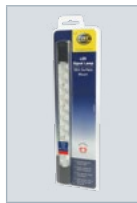
2SB 980 887-002
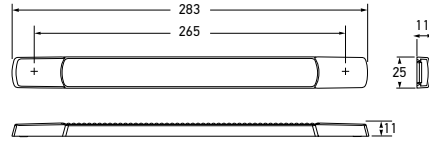
| | | | |
|---|---|---|---|
| 2SB 980 887-001 | 2318 | | 12 VOLT |
| 2SB 980 887-002 | 2318BL **(Blister Pack)** | ▭ | |
| 2SB 980 887-201 | 231824V | | 24 VOLT |
| 2SB 980 887-202 | 231824VBL **(Blister Pack)** | ▭ | |

| | |
|---|---|
| Mounting | Suitable for horizontal and vertical mounting. |
| Power Consumption | Stop: 3W      Rear position: <0.5W |
| Protection | Reverse polarity protection.<br>IP 6K7 (Protection against dust and temporary water immersion)<br>IP 6K9K (Protection against dust and high-pressure/steam jet cleaning) |
| Cable Length | Pre-wired with 0.3m cable. |
| Lens Material | High impact and chemical resistant Grilamid® lens |
| Compliance | ADR 49/00 |

### STOP/REAR POSITION LAMP FUNCTIONS

Stop                    Rear position

---

## LED Rear Direction Indicator Lamp – Surface Mount

Surface mount LED rear direction indicator lamp that is designed with an ultra wide visibility optic for significantly improved side visibility. Featuring a low profile, ultra durable Grilamid® nylon lens for extreme impact, UV, chemical and stress resistance. Optic appears clear until illuminated.
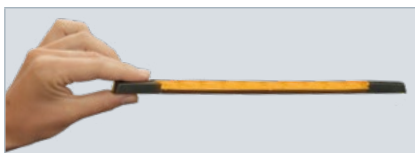
Ultra slim height of only 11mm. Lamp shown active.

2BA 980 888-022

| | | | |
|---|---|---|---|
| 2BA 980 888-001 | 2168 | | 12 VOLT |
| 2BA 980 888-022 | 2168BL **(Blister Pack)** | ▭ | |
| 2BA 980 888-201 | 216824V | | 24 VOLT |
| 2BA 980 888-222 | 216824VBL **(Blister Pack)** | ▭ | |

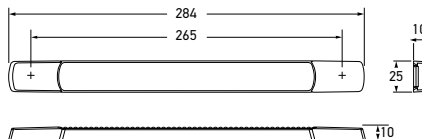| | |
|---|---|
| Mounting | Suitable for horizontal and vertical mounting. See diagram. |
| Power Consumption | 3W |
| Protection | As per 2SB 980 887-001 |
| Cable Length | Pre-wired with 2.5m of sheathed multi-core cable. (Blister packs with 0.5m cable) |
| Lens Material | High impact and chemical resistant Grilamid® lens |
| Compliance | ADR 6/00: Cat 2a      E24 5891      ECE R6/01 |

### MOUNTING DIAGRAM

**2BA 980 888-001, 2BA 980 888-022,
2BA 980 888-201, 2BA 980 888-222**

360°
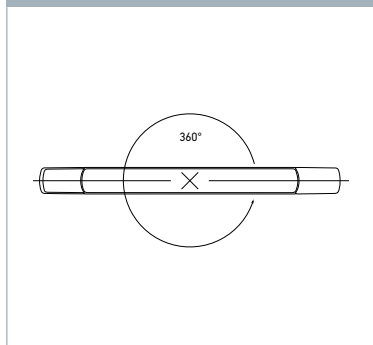
Horizontal mount & Vertical mount:
360° rotation around lamp (and vehicle) axis

| 2SD 980 819-001 | 237512V | 12 VOLT |
| --- | --- | --- |
| 2SD 980 819-221 | 237524V | 24 VOLT |

| Mounting | Suitable for horizontal and vertical mounting. |
| --- | --- |
| Power Consumption | Stop: 2W<br>Rear position: <0.5W<br>Rear direction indicator: 2W |
| Protection | Reverse polarity protection.<br>IP 6K7 (Protection against dust and temporary water immersion)<br>IP 6K9K (Protection against dust and high-pressure/steam jet cleaning) |
| Cable Length | Pre-wired with 2.5m of sheathed multi-core cable. |
| Lens Material | High impact and chemical resistant Grilamid® lens |
| Spare Parts | 9HD 980 885-007    White screw caps (Pack of 4)<br>9HD 980 885-017    Charcoal screw caps (Pack of 4)<br>9HD 980 885-107    Chrome plated screw caps (Pack of 4) |
| Compliance | ADR 49/00    ADR 6/00: Cat 2a    E24 5902    ECE6/01    ECE 7/02 |

## LED Stop/Rear Position/Rear Direction Indicator Lamp – Surface Mount

The slim Surface Mount Strip lamp is now available as a combination stop/tail and indicator light making it the most compact and certified STI lamp available. Featuring a low profile, ultra durable Grilamid® nylon lens for extreme impact, UV, chemical and stress resistance. Optic appears clear until illuminated.





Ultra slim height of only 11mm.

### STOP/REAR POSITION/REAR DIRECTION INDICATOR LAMP FUNCTIONS
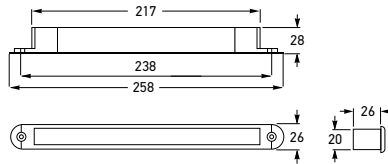


Stop

Rear position

Rear direction indicator

## Surface Mount Strip Lamp – Screw Caps

| SURFACE MOUNT STRIP LAMP SCREW CAPS | | Colour | Quantity |
| --- | --- | --- | --- |
| 9HD 980 885-017 | 9100909 | CHARCOAL | |
| 9HD 980 885-007 | 9265209 | WHITE | PACK OF 4 |
| 9HD 980 885-107 | 9100910 | CHROME PLATED | |



9HD 980 885-017

9HD 980 885-007

9HD 980 885-107

# LED STRIP MARKER AND SIGNAL

## LED Stop/Rear Position Lamp

Red LED strip lamp suitable for coaches and buses, featuring Enhanced Definition Technology (EDT).

217
28
238
258
26
26
20

| 2SB 959 074-501 | 233412V | 12 VOLT |
|---|---|---|
| 2SB 959 074-001 | 233424V | 24 VOLT |

| Mounting | Two hole recess mount. Suitable for horizontal or vertical mounting. |
|---|---|
| Power Consumption | Stop: 2W<br>Rear position: 0.3W |
| Protection | Reverse polarity protection. |
| Cable Length | Pre-wired with 300mm of cable. |
| Compliance | ADR 49/00 |

## LED Rear Direction Indicator Lamp

Amber LED strip lamp suitable for coaches and buses.

| 2BA 959 075-501 | 215612V | 12 VOLT |
|---|---|---|
| 2BA 959 075-001 | 215624V | 24 VOLT |

| Mounting | Two hole recess mount. Suitable for horizontal or vertical mounting. |
|---|---|
| Power Consumption | 2W |
| Protection | Reverse polarity protection. |
| Cable Length | Pre-wired with 0.5m of sheathed multi-core cable. |
| Compliance | ADR 6/00: Cat 2a |

## LED High Level Brake Lamp

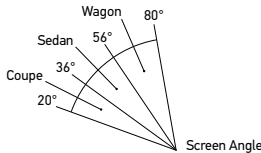Strip LED lamp designed for rear spoiler applications. Clear lens version optic appears clear until illuminated.

2DA 959 071-071

| RED LENS | | CLEAR LENS | | |
|---|---|---|---|---|
| 2DA 959 071-591 | 5243 | 2DA 959 071-271 | 5243CLEAR | 12 VOLT |
| 2DA 959 071-772 | 524324V | | | 24 VOLT |

| Mounting | Two hole recess mount. Suitable for horizontal or vertical mounting. |
|---|---|
| Power Consumption | 2W |
| Protection | Reverse polarity protection.<br>IP 6K7 (Protection against dust and temporary water immersion)<br>IP 6K9K (Protection against dust and high-pressure/steam jet cleaning) |
| Cable Length | Pre-wired with 2.5m of multi-core cable. |
| Compliance | ADR 49/00: Cat S3     E4 02 7547     ECE R7/02 |

## LED High Level Brake Lamp

Designed for rear windows of angles from 20° (Coupe) to 80° (Wagon). Supplied with installation kit and instruction sheet. Optic appears clear until illuminated.

| 2DA 959 190-001 | 5237 (Coupe) | 20° – 36° | 12 VOLT |
|---|---|---|---|
| 2DA 959 191-001 | 5238 (Sedan) | 37° – 56° | |
| 2DA 959 192-001 | 5239 (Wagon) | 57° – 80° | |
| Mounting | Adhesive mounting tape to glass. | | |
| Voltage | 12V | | |
| Power Consumption | 3W | | |
| Cable Length | Pre-wired with 2.5m of multi-core cable. | | |
| Compliance | ADR 49/00: Cat S3 | | |

2DA 959 190-001
Shown illuminated

2DA 959 191-001    2DA 959 192-001

2DA 959 190-001    20° – 36°    2DA 959 191-001    37° – 56°    2DA 959 192-001    57° – 80°
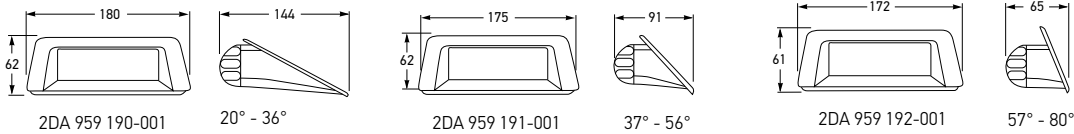
## LED Caravan Red/White Clearance Lamp

Red/white side-rear clearance lamp for fitment at the rear of caravans. Combined front end outline (white) and rear end outline (red) lamps. LED replacement lamp for older bulb style lamps.
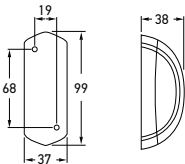
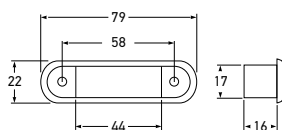| 2XS 205 020-041 | | 12 VOLT |
|---|---|---|
| Mounting | Vertical surface mount only at rear of caravan. | |
| Power Consumption | 0.5W | |
| Cable Length | Pre-wired with 500mm multi-core cable. | |
| Compliance | ECE R7/02 | |

# LED RECESS MOUNT MARKER

## LED Recess Mount Front Position/ End Outline Lamp

White front position or front end outline LED lamp. Optic appears clear until illuminated.



2PF 959 590-491

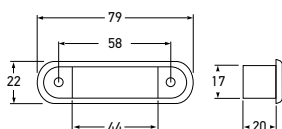| 2PF 959 590-491 | 2055 | |
|---|---|---|
| 2PF 959 590-547 | 2055BULK | PACK OF 4 |
| Mounting | Two hole recess mount.<br>Suitable for horizontal or vertical mounting. | |
| Voltage | Multivolt™ for optimum brightness in 12 and 24 volt systems. | |
| Power Consumption | <1W | |
| Protection | Reverse polarity protection.<br>IP 6K6 (Protection against dust and high-pressure water jets)<br>IP 6K7 (Protection against dust and temporary water immersion) | |
| Cable Length | Pre-wired with 0.5m of sheathed multi-core cable.<br>Bulk pack pre-wired with 2.5m of sheathed multi-core cable. | |
| Compliance | ADR 49/00      (E4) 0054      ECE R7/02 | |

## LED Recess Mount Front End Outline Lamp

Amber front end outline LED lamp for trailers only. Optic appears clear until illuminated.
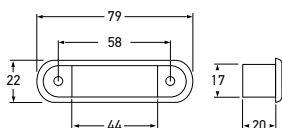


| 2PF 959 590-341 | 2056 | |
|---|---|---|
| 2PF 959 590-357 | 2056BULK | PACK OF 4 |
| Mounting | Suitable for horizontal mounting. | |
| Compliance | ADR 49/00 | |

Other specifications as per 2PF 959 590-491.

## LED Recess Mount Cab Marker Lamp

Amber cab marker LED lamp. Optic appears clear until illuminated.



| 2XS 959 650-011 | 2057 | |
|---|---|---|
| 2XS 959 650-027 | 2057BULK | PACK OF 4 |
| Mounting | Suitable for horizontal mounting. | |
| Compliance | ADR 45/01 | |

Other specifications as per 2PF 959 590-491.

## LED Recess Mount Rear Position/ End Outline Lamp

Red rear end outline lamp or rear position LED lamp. Optic appears clear until illuminated.
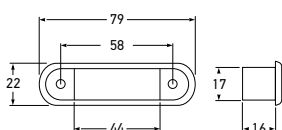


| 2BA 959 610-441 | 2308 | |
|---|---|---|
| 2BA 959 610-457 | 2308BULK | PACK OF 4 |
| Compliance | ADR 49/00      (E4) 02 7597      ECE R7/02 | |

Other specifications as per 2PF 959 590-491.

## LED Side Marker Lamp – Amber

LED side marker lamp with reflex reflector for horizontal mounting. Reverse polarity protection.

**ECE** Certified
CERTIFIED
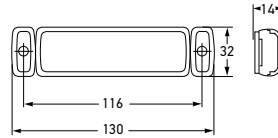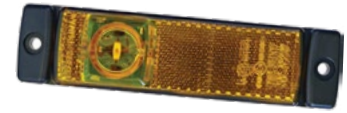
| 2PS 008 645-011 | 12 VOLT |
|---|---|
| 2PS 008 645-001 | 24 VOLT |

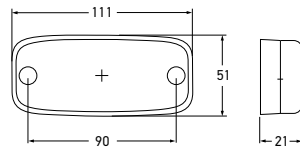| Power Consumption | 12V     0.5W<br>24V     1W |
|---|---|
| Cable Length | Pre-wired with 1.5m of sheathed multi-core cable. |
| Compliance | (E1) 1395    (E1) 1396    ECE R3/02    ECE R91/00 |

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## LED Side Marker Lamp – Amber

LED side marker with inbuilt amber retro reflector. Bridge circuit for protection against polarity reversal.

**ADR** Compliance
COMPLIANCE

**ECE** Certified
CERTIFIED
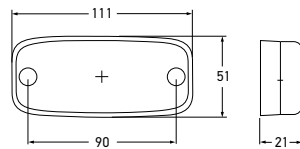
| 2PS 345 600-001 | 12 VOLT |
|---|---|
| 2PS 345 600-011 | 24 VOLT |

| Power Consumption | 12V  0.7W    24V  1.3W |
|---|---|
| Protection | Fully sealed against dust, high-pressure washing/steam jet cleaning |
| Cable Length | Pre-wired with 0.5m of sheathed multi-core cable. |
| Compliance | ADR 74/00: Cat. SM1    ADR 47/00    (E24) 5881    ECE R3/02    ECE R91/00 |

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## LED Rear Position Lamp – Red

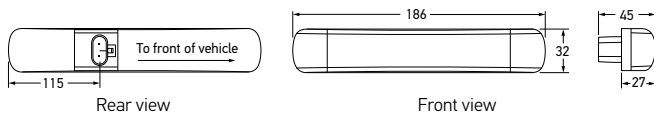LED rear position lamp with inbuilt red retro reflector. Bridge circuit for protection against polarity reversal.

**ADR** Compliance
COMPLIANCE

**ECE** Certified
CERTIFIED

| 2TM 963 639-301 | 2305 | 12 VOLT |
|---|---|---|
| 2TM 963 639-311 | 2306 | 24 VOLT |

| Power Consumption | 12V    0.5W    24V  1W |
|---|---|
| Protection | Fully sealed against dust, high-pressure washing/steam jet cleaning |
| Cable Length | Pre-wired with 5m of sheathed multi-core cable. |
| Compliance | ADR 47/00    ADR 49/00    (E24) 5881    ECE R3/02    ECE R7/02 |

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## LED Auxiliary Side Indicator Cat. 6

LED side indicator lamp approved for heavy vehicles and buses/coaches, sealed against dust and water, it will provide many years of trouble free usage. Optic appears clear until illuminated.

**ECE** Certified
CERTIFIED

To front of vehicle
Rear view    Front view

| 2BM 011 788-041 | 24 VOLT |
|---|---|

| Mounting | Horizontal surface mount via adhesive strip |
|---|---|
| Power Consumption | 4W |
| Protection | Reverse polarity<br>IP 6K9 (Protection against dust and high-pressure/steam jet cleaning) |
| Spare Parts | 8KW 959 881-525    2 Pin super seal plug |
| Compliance | (E11) 7506    ECE R6/01 Cat.6 |

The lamp features an adhesive strip and is attached by pressing on to the vehicle.

Rear view showing super seal connector

## Supplementary Side Direction Indicator Lamp (Cat. 6)

Single bulb holder.
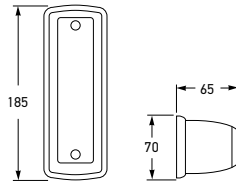
| 2BA 905 273-002 | 2142 | |
|---|---|---|
| Mounting | Surface mount | |
| Bulbs to Suit | 12V | 8GA 002 073-163 |
| | 24V | 8GA 002 073-245 |
| Compliance | ADR 6/00: Cat 6 | |

## Supplementary Side Direction Indicator Lamp (Cat. 6)
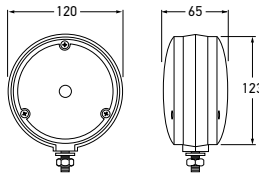
Side mounted direction indicator lamp with rubber base. Suitable for insulated earth circuits.
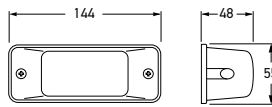
| 2BM 006 692-011 | 2153 | LEFT HAND SIDE |
|---|---|---|
| 2BM 006 692-021 | 2154 | RIGHT HAND SIDE |
| Mounting | Surface mount. | |
| Bulbs to Suit | 12V | 8GA 002 073-163 |
| | 24V | 8GA 002 073-245 |
| Compliance | ADR 6/00: Cat 6 | |
| Arrow on lens must face direction of travel. | | |

## Front Direction Indicator/ Supplementary Side Direction Indicator Lamp (Cat.1 and 5)

Double-sided direction indicator lamp.

| 2BA 900 763-291 | 2127 | |
|---|---|---|
| Mounting | Single bolt mount. | |
| Bulbs to Suit | 12V | 8GA 002 073-163 |
| | 24V | 8GA 002 073-245 |
| Additional Function | Supplementary side direction indicator lamp where 12V (8GA 002 071-171) or 24V (8GA 002 071-245) bulbs are used. | |
| Compliance | ADR 6/00: Cat 1 | ADR 6/00: Cat 5 |

## Supplementary Side Direction Indicator Lamp (Cat. 6)

Side mounted direction lamp suitable for either left or right hand mounting.
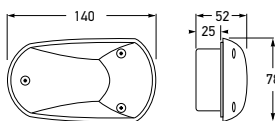
| 2BM 008 355-021 | 215524V (Amber lens) | 24 VOLT |
|---|---|---|
| Bulbs to Suit | 24V | 8GA 002 073-245 |
| Compliance | ADR 6/00: Cat 6 | |
| Arrow on lens must face direction of travel. | | |
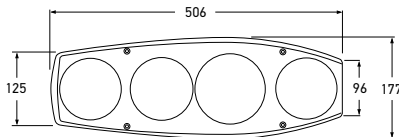
## Stop/Rear Position/Rear Direction Indicator/Reversing Lamp

For mobile homes. With reversing light and round reflector.

**12V** BULB INC — Bulb Included
**ECE** CERTIFIED — Certified

| 2VP 341 419-127 | | RIGHT HAND SIDE |
| --- | --- | --- |
| 2VP 341 419-137 | | LEFT HAND SIDE |
| Mounting | Horizontal flush mount into body. | |

| Bulbs to Suit | | 12V | 24V |
| --- | --- | --- | --- |
| | Stop/Rear position: | 8GD 980 329-001 | 8GD 002 078-242 |
| | Rear direction indicator: | 8GA 002 073-163 | 8GA 002 073-245 |
| | Reversing: | 8GA 002 073-163 | 8GA 002 073-245 |

| Compliance | (E4) 9836 | ECE R6/01 | ECE R7/02 | ECE R23/00 | ECE R3/02 |
| --- | --- | --- | --- | --- | --- |
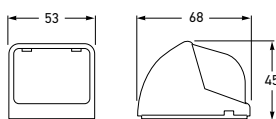
## Front Position/Front End Outline Lamp – White

Fitted with polycarbonate lens and single bulb holder.

**ADR** COMPLIANCE — Compliance
**12V** BULB INC — Bulb Included

| 2PF 006 679-031 | 2066 |
| --- | --- |
| Mounting | Surface mount. |

| Bulbs to Suit | 12V | 8GA 002 071-511 |
| --- | --- | --- |
| | 24V | 8GA 002 071-254 |

| Compliance | ADR 49/00 | (E1) 32 /691 | ECE R7/02 |
| --- | --- | --- | --- |

## Number Plate Lamp

**ADR** COMPLIANCE — Compliance
**BULB INCLUDED** — Bulb
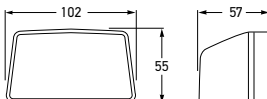
| 2KA 951 068-043 | 2553 | 12 VOLT |
| --- | --- | --- |
| Bulbs to Suit | 12V | 8GA 002 071-511 |
| Compliance | ADR 48/00 | (E1) 22819 | ECE R4/00 |

## Number Plate Lamp

**ADR** COMPLIANCE — Compliance
**12V** BULB INC — Bulb Included
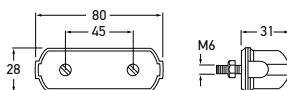
| 2KA 001 389-121 | 2555 |
| --- | --- |
| Mounting | Two bolt mount. |

| Bulbs to Suit | 12V | 8GA 002 092-021 |
| --- | --- | --- |
| | 24V | 8GM 002 092-251 |

| Compliance | ADR 48/00 | (E1) 12815 | ECE R4/00 |
| --- | --- | --- | --- |

Two lamps required for ADR compliance.

### ADR CATEGORIES OF DIRECTION INDICATORS

ADR compliant indicators are categorised according to their intended function.

| Category 1 | Direction indicators for the front of the vehicle. |
| --- | --- |
| Category 2 | Direction indicators for the rear of the vehicle. |
| Category 5 | Supplementary side direction indicators for use on a vehicle also equipped with categories 1 and 2 direction indicators. |
| Category 6 | Supplementary side direction indicators for use on a heavy vehicle also equipped with categories 1 and 2 direction indicators. |

**MARKER & SIGNAL**

## DuraLED® Accessories

Spare screw caps or screw bosses for the DuraLED® lamp range. Two screw caps and two screw bosses are required per lamp.

| SCREW CAPS - DURALED® | | | |
|---|---|---|---|
| | | Colour | Quantity |
| 9HD 959 065-008 | 9233015 | BLACK | PACK OF 4 |

| SCREW CAPS - DURALED® COMBI-S/COMBI-R | | | |
|---|---|---|---|
| | | Colour | Quantity |
| 9HD 980 712-007 | 9237815BULK | BLACK | PACK OF 4 |

| SCREW BOSS | | |
|---|---|---|
| 9NH 959 059-008 | 9233017 | PACK OF 4 |

| MOUNTING SPACERS - DURALED® COMBI | | |
|---|---|---|
| 8HG 980 719-001 | 98071900 | BLACK |
| 8HG 980 719-011 | 98071901 | WHITE |

Mounting spacer allows lamps to be surface mounted with the cable exiting any side of the spacer, or through the centre.

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## DuraLED® Marker Lamp Accessories

Spare mounting shrouds for the surface mount marker and surface mount courtesy lamp range. One mounting shroud is required per lamp.

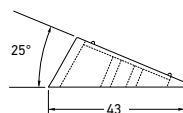9BG 910 274-001          9BG 959 565-018

9BG 959 565-408

9BG 959 565-038

| SHROUDS - DURALED® SURFACE MOUNT | | | |
|---|---|---|---|
| | | Colour | Quantity |
| 9BG 910 274-001 | 9205308 (Nylon) | BLACK | SINGLE |
| 9BG 959 565-038 | 9205310BULK | RED | |
| 9BG 959 565-018 | 9205311BULK | WHITE | PACK OF 4 |
| 9BG 959 565-408 | 9205320BULK | CHROME PLATED | |

25°

43

| ANGLE MOUNT - DURALED® SURFACE MOUNT | | | |
|---|---|---|---|
| 8HG 910 273-001 | 9205307 | BLACK | SINGLE |

## DuraLED® Marker Lamp Accessories



86

31
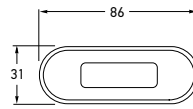
| RIMS - DURALED® FLUSH MOUNT MARKER AND SIGNAL/LED WIDE RIM COURTESY LAMPS | | | |
|---|---|---|---|
| | | Colour | Material |
| 9AB 959 686-001 | 95968600 | BLACK | PLASTIC |
| 9AB 959 686-011 | 95968601 | WHITE | |
| 9AB 959 685-002 | 95968500 | POLISHED | 316 STAINLESS STEEL |
| 9AB 959 685-062 | 95968506 | SATIN CHROME PLATED | |

To suit wide marker and signal lamps with 29mm wide rim. Does not fit narrow rim lamps.

9AB 959 686-001

9AB 959 686-011

9AB 959 685-002     9AB 959 685-062

| DURALED® ANGLE MOUNT NUMBER PLATE BRACKET | | |
|---|---|---|
| 8HG 958 029-001 | | SINGLE |
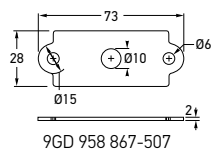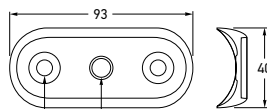
## DuraLED® Flush Mount Gaskets

73  28  Ø10  Ø6  Ø15  2

9GD 958 867-507

93  Ø8  Ø10  40

9GD 958 028-001

9GD 958 867-507

9GD 958 028-001

| 9GD 980 867-507 | | RECTANGULAR SEAL |
|---|---|---|
| 9GD 958 028-001 | | CURVED SEAL |

## DuraLED® Marker Lamp Accessories

| SCREW CAPS - DURALED® FLUSH MOUNT | | | |
|---|---|---|---|
| | | Colour | Quantity |
| 9HD 980 858-007 | 9231009BULK | BLACK | PACK OF 4 |
| 9HD 980 858-017 | 9231011BULK | WHITE | |

Pack sizes of 50 available upon request.

9HD 980 858-007     9HD 980 858-017

## DuraLED® DT Marker and Signal Lamp Accessories



| DURALED® DT MARKER LAMP HOUSING | | | |
|---|---|---|---|
| | | Colour | Quantity |
| **9BG 980 996-002** | 9207309 | BLACK | SINGLE |



9BG 980 665-001

9BG 980 665-101

| DURALED® HEAVY DUTY MARKER STAINLESS STEEL HOUSING | | |
|---|---|---|
| **9BG 980 665-001** | 9205809 | |
| **9BG 980 665-101** | 9205810 POLISHED | SINGLE |

## Surface Mount Strip Lamp – Screw Caps



9HD 980 885-017

9HD 980 885-007

9HD 980 885-107

| SURFACE MOUNT STRIP LAMP SCREW CAPS | | | |
|---|---|---|---|
| | | Colour | Quantity |
| **9HD 980 885-017** | 9100909 | CHARCOAL | |
| **9HD 980 885-007** | 9265209 | WHITE | PACK OF 4 |
| **9HD 980 885-107** | 9100910 | CHROME PLATED | |



| SPARE PLASTIC CAPS | | | |
|---|---|---|---|
| | | Colour | Quantity |
| **9HD 959 182-032** | 9524030 | BLACK | PACK OF 50 |

To suit narrow and wide rim LED courtesy, marker and strip lamps.

## DT Marker and Signal Lamp Connectors



8JA 959 736-801



8JA 959 736-811

| DT PLUG, WEDGE AND CONTACTS | | |
|---|---|---|
| **8JA 959 736-811** | 4960P | 2 POLE |
| **8JA 959 736-801** | 4963P | 6 POLE |

## EuroLED® Accessories

Spare covers or screw bosses for the EuroLED® range of lamps. One cover and two screw bosses are required per lamp.

| COVERS | | | |
| --- | --- | --- | --- |
| | | Colour | Quantity |
| 8HG 959 027-001 | 9236608 | BLACK | SINGLE |
| 8HG 959 027-011 | 9236611 | WHITE | |

| SCREW BOSS | | | |
| --- | --- | --- | --- |
| 8HG 959 028-011 | 9236617 | WHITE | PACK OF 4 |

| MOUNTING SPACER | | | |
| --- | --- | --- | --- |
| 8HG 959 952-002 | | BLACK | SINGLE |
| 8HG 959 952-012 | | WHITE | |

## LED Combination Lamp Mounting Pack

Mounting pack to suit LED combination lamp 2VP 980 980-001, 2VD 980 980-011 and 2VD 980 980-021.

| MOUNTING PACK | |
| --- | --- |
| 8HG 958 421-381 | 9239108 |

## LED Combination Trailer Lamp Accessories

To suit LED combination lamp 2VA 980 720-071 and 2VB 980 720-561

| ACCESSORIES | | |
| --- | --- | --- |
| 8HG 980 726-001 | 9239408 | FRAME |
| 8HG 980 727-002 | 9239409 | 15MM SPACER |

Mounting spacer allows lamps to be surface mounted with the cable exiting any side of the spacer, or through the centre.

8HG 980 727-002

8HG 980 726-001

## Jumbo-S Accessories

Accessories for the Jumbo-S LED lamp range.

| MOUNTING GASKET BASE, SPACERS AND 1¼" SCREWS | | |
|---|---|---|
| | | **Quantity** |
| **9HD 980 768-801** | 9236108 | **SINGLE** |

Allows Jumbo-S lamps to be surface mounted.

## Designline /Jumbo Accessories

Housings and screw caps for the Designline/ Jumbo lamp range.

| HOUSING - SINGLE, DOUBLE AND TRIPLE MODULE | | |
|---|---|---|
| | | **MODULE** |
| **9BG 958 568-027** | 9204109BULK | **SINGLE** |
| **9BG 958 559-011** | 9242209 | **DOUBLE** |
| **9BG 958 615-011** | 9242309 | **TRIPLE** |

## Jumbo-S Triple Chamber Housings

The Jumbo-S LED Triple Module now has additional improvements to ensure it remains the most reliable and most popular lamp cluster on the market.

| HOUSING - TRIPLE MODULE | | |
|---|---|---|
| | | **MODULE** |
| **9BG 958 338-001** | Cable grommet exit | **TRIPLE** |
| **9BG 958 338-011** | ø16.6mm centre hole to suit M16 conduit gland | **TRIPLE** |
| **9BG 958 338-021** | To suit flange mount DT connector | **TRIPLE** |

Housings are supplied with gaskets and mounting fasteners. M16 conduit gland and flange mount DT connector need to be sourced separately.
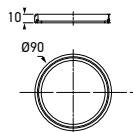
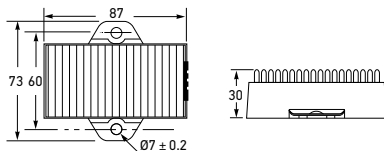9BG 958 338-011          9BG 958 338-021

## 83mm Round Lamps - Mounting Rings

Mounting rings to suit 83mm round lamp range. Allows retro-fitting of lamp into existing applications with mounting holes larger than a diameter of 83mm.

| MOUNTING RING | | |
|---|---|---|
| | | **Diameter** |
| **9GD 980 696-002** | 98069600 | **90MM O.D** |

| 5DS 357 030-011 | | 12 VOLT |
|---|---|---|
| Mounting | Two bolt surface mount | |
| Voltage | 12V DC | |
| Power Consumption | Simulates a 21W conventional bulb | |
| Protection | IP 6K7 (Protection against dust and temporary water immersion) | |
| Cable Length | 300mm | |
| Weight | 235g | |
| Compliance | ECE-R10 | |

## LED Direction Indicator Control Unit

The smart indicator control unit is designed to maintain compliant indicator flash rates when upgrading traditional 12V / 21W bulb lamps with low power consumption LED lamps. Once the HELLA Indicator Control Unit is installed, (one per bulb lamp) the vehicle's flasher unit will see normal power consumption and not activate warnings such as a light on the dash or commence fast indicator flashing. The new HELLA unit activates when it receives a nominal current to confirm an LED lamp is connected, it then adds additional current to simulate a 21W bulb. This is a superior solution to the alternative of adding resistors to the indicator circuit. Resistors will continue to draw current, even if an LED lamp or wiring fails and it may not provide the driver with the required lamp failure warning.
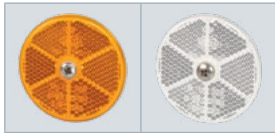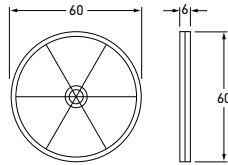
MARKER & SIGNAL

## Retro Reflectors

60mm diameter complete with mounting screw, 22cm². Reflectors with self adhesive are ECE certified.

8RA 002 014-233

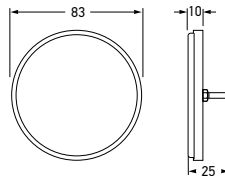8RA 002 014-253   8RA 002 014-261

| 8RA 002 014-233 | 2915 | ▬ | RED |
|---|---|---|---|
| 8RA 002 014-282 | 29151 **(Self adhesive)** | | |
| 8RA 002 014-253 | 2916 | ▬ | AMBER |
| 8RA 002 014-302 | 29161 **(Self adhesive)** | | |
| 8RA 002 014-261 | 2917 | ▬ | WHITE |
| 8RA 002 014-292 | 29171 **(Self adhesive)** | | |
| Compliance | ADR 47/00   ECE R3/02 | | |

## Retro Reflector – Red

83mm diameter red acrylic retro reflector with black rim, 48cm².

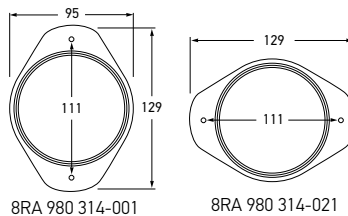| 8RA 002 016-113 | 2902 |
|---|---|
| Mounting | Single bolt mount. |
| Compliance | ADR 47/00 |

## Retro Reflector – Red

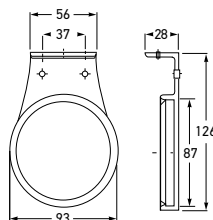83mm diameter acrylic retro reflector with plastic or metal surround, 48cm².

8RA 980 314-001        8RA 980 314-021

| 8RA 980 314-001 | 2910 **(Red)** | ▬ | VERTICAL |
|---|---|---|---|
| 8RA 980 314-021 | 2910H **(Red)** | ▬ | HORIZONTAL |
| Mounting | Two hole surface mount. | | |
| Compliance | ADR 47/00 | | |

8RA 980 314-001

## Retro Reflector – Red

83mm diameter red acrylic retro reflector with plastic surround, 48cm².

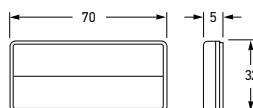| 8RA 980 314-201 | 2930 | ▬ |
|---|---|---|
| 8RA 980 314-207 | 2930BULK | PACK OF 32 |
| Mounting | Right angled base with two holes for optional surface mount. | |
| Compliance | ADR 47/00 | |

## Retro Reflectors

70 x 31.5mm self adhesive, 18cm$^2$.



8RA 004 412-003



8RA 004 412-024   8RA 004 412-013

| | | | |
|---|---|---|---|
| **8RA 004 412-003** | 2919 | ▭ | AMBER |
| **8RA 004 412-024** | 2920 | ▭ | RED |
| **8RA 004 412-027** | 2920BULK (Pack of 20) | | |
| **8RA 004 412-013** | 2921 | ▭ | WHITE |
| Compliance | ADR 47/00 | | |

## Retro Reflectors

94 x 44mm self adhesive (except two bolt hole versions), 33cm$^2$.
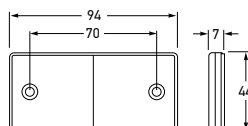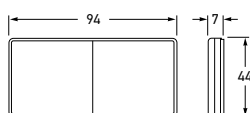
8RA 003 326-001 - Two bolt holes



8RA 003 326-013



8RA 003 326-035   8RA 003 326-054

| | | | |
|---|---|---|---|
| **8RA 003 326-045** | 2922 | ▭ | AMBER |
| **8RA 003 326-013** | 29222 (Two bolt holes) | ▭ | |
| **8RA 003 326-035** | 2923 | ▭ | RED |
| **8RA 003 326-038** | 2923BULK (Pack of 20) | | |
| **8RA 003 326-006** | 29232 (Two bolt holes) | ▭ | |
| **8RA 003 326-007** | 29232BULK (Two bolt holes – Pack of 20) | | |
| **8RA 003 326-054** | 2924 | ▭ | WHITE |
| Compliance | ADR 47/00          ECE R3/02 | | |

## Retro Reflectors

105 x 55mm self adhesive, 50cm$^2$.



8RB 004 713-003



8RB 342 007-102
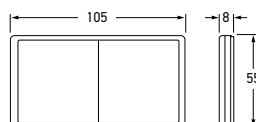


8RA 342 007-801

| | | | |
|---|---|---|---|
| **8RB 004 713-003** | 2925 | ▭ | AMBER |
| **8RA 342 007-102** | 2926 | ▭ | RED |
| **8RA 342 007-107** | 2926BULK (Pack of 100) | ▭ | |
| **8RA 342 007-801** | 2926BL (Blister pack – 2 Pack) | ▭ | |
| Compliance | ADR 47/00 | | |

# LAMP SPARE PARTS

To suit 2320

| DESIGNLINE LAMP SPARE PARTS | | |
|---|---|---|
| 9EM 958 565-001 | 9232001 | RED LENS |
| 9EL 958 564-031 | 9214401 | AMBER LENS |
| 9EL 958 564-021 | 9204101 | CLEAR LENS |



To suit 2144    To suit 2041



To suit 2303

| 76mmØ LAMP SPARE PARTS | | |
|---|---|---|
| 9EL 956 388-011 | 2245901 | RED LENS |
| 9EL 980 318-001 | 2683001 | AMBER LENS |
| 9EL 956 388-001 | 2685601 | CLEAR LENS |



To suit 2100    To suit 2000



To suit 2325

| 84 X 84mm LAMP SPARE PARTS | | |
|---|---|---|
| 9EL 110 540-002 | 9232501 | RED LENS |
| 9EL 115 003-022 | 9238401 | RED/CLEAR LENS |
| 9EL 110 536-001 | 9214701 | AMBER LENS |
| 9EL 110 544-002 | 9140501 | CLEAR LENS |



To suit 2384    To suit 2147    To suit 1405



To suit 2370

| STOP/REAR POSITION/REAR DIRECTION INDICATOR SPARE PARTS | | |
|---|---|---|
| 9EM 910 023-032 | 2316302 | RED/AMBER LENS |



To suit 2127

| 110mmØ LAMP SPARE PARTS | | |
|---|---|---|
| 9EL 910 325-012 | 2980101 | RED LENS |
| 9EL 910 325-002 | 2980009 | AMBER LENS |
| 9EL 910 325-021 | 2980008 | CLEAR LENS |

MARKER AND SIGNAL

| JUMBO LAMP SPARE PARTS | | |
|---|---|---|
| 9EL 954 006-001 | 9231901 | RED LENS |
| 9EL 954 004-001 | 9214301 | AMBER LENS |
| 9EL 954 004-011 | 9204301 | CLEAR LENS |

To suit 2319

To suit 2143          To suit 2043

| STOP/REAR POSITION/REAR DIRECTION INDICATOR/NUMBER PLATE LAMP SPARE PART | | |
|---|---|---|
| 9EL 910 272-014 | 9239601 | RED/AMBER LENS |

To suit 2396

| SIDE MARKER LAMP SPARE PARTS | | |
|---|---|---|
| 9EL 905 635-002 | 9200601 | RED LENS |
| 9EL 905 635-012 | 9200602 | AMBER LENS |

To suit 2006

| MARKER LAMP SPARE PARTS | | |
|---|---|---|
| 9EL 910 089-011 | 9204201 | RED/AMBER LENS |
| 9EL 910 089-021 | 9204401 | AMBER LENS |

To suit 2042

| MARKER LAMP SPARE PARTS | | |
|---|---|---|
| 9EL 910 028-052 | 9230401 | RED LENS |
| 9EL 910 327-021 | 9214001 | AMBER LENS |
| 9EL 910 327-031 | 9214101 | CLEAR LENS |

To suit 2304

To suit
9EL 910 327-021          To suit
9EL 910 327-031