

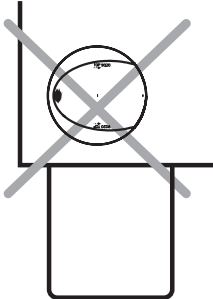
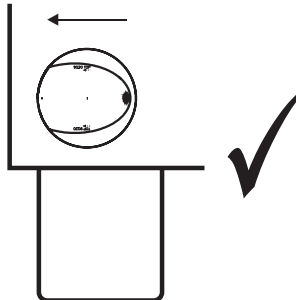
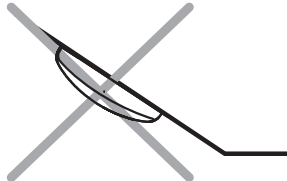
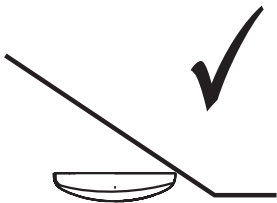
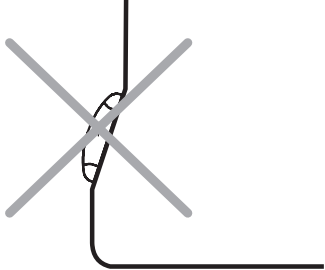
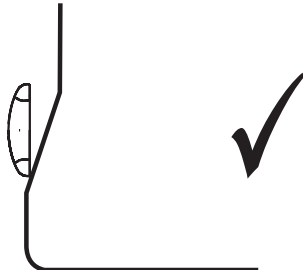





	INSTRUCTION SHEET for: <b>2BA 959 021-00x / 2133-24V</b>																																
<div>ADR - APPLICATION AND MOUNTING INSTRUCTIONS</div> <div>ADR 6/00 cat 2a Rear Direction Indicator Lamp</div> <div>EuroLED® 130mm ROUND REAR DIRECTION INDICATOR LAMP</div> <div>Lens Marking and ADR13/00 Installation Requirements</div> <div>This Rear Direction Indicator Lamp, identified by lens marking 9020 and the  logo was manufactured to comply with ADR 6/00 Cat 2a Rear Direction Indicator Lamps.</div> <div><ul style="list-style-type: none"><li>A tolerance of +/-3 degrees applies on all mounting details.</li><li>Lamp mounting surface must be vertical to the ground, and at right angles to the longitudinal axis of the vehicle.</li><li>Lamp must be visible from 45° inboard and 80° outboard, as well as from 15° above and below the horizontal axis.</li><li>Lamp is approved to be mounted only with lens engraving "TOP" located correctly.</li></ul></div> <div>Please refer to ADR 13/00 for more details.</div> <div><div><div>Rear View</div><div></div><div></div></div><div><div>Top View</div><div></div><div></div></div><div><div>Side View</div><div></div><div></div></div></div> <div>LENS IDENTIFICATION NUMBER: 9020</div> <table><tr><th>CATALOGUE NUMBER</th><th>ENGINEERING NUMBER</th><th>CRN NUMBER</th><th>COMPLIANCE NUMBER</th><th>ADR 51/00 GLOBE</th><th>ADR APPLICABLE</th></tr><tr><td>2133-24V</td><td>2BA 959 021-00</td><td>30442</td><td>8-2133-08</td><td>N/A LED</td><td>ADR 6/00 Cat 2a</td></tr><tr><td colspan="4">AMENDMENTS</td><td>ADR COMPLIANCE VERIFIED</td><td>ISSUE DATE:</td></tr><tr><td></td><td></td><td></td><td rowspan="2"></td><td rowspan="2"></td><td>01/2003</td></tr><tr><td></td><td></td><td></td><td>959 149-53</td></tr></table> <div>HELLA-New Zealand Limited, Auckland</div>						CATALOGUE NUMBER	ENGINEERING NUMBER	CRN NUMBER	COMPLIANCE NUMBER	ADR 51/00 GLOBE	ADR APPLICABLE	2133-24V	2BA 959 021-00	30442	8-2133-08	N/A LED	ADR 6/00 Cat 2a	AMENDMENTS				ADR COMPLIANCE VERIFIED	ISSUE DATE:						01/2003				959 149-53
CATALOGUE NUMBER	ENGINEERING NUMBER	CRN NUMBER	COMPLIANCE NUMBER	ADR 51/00 GLOBE	ADR APPLICABLE																												
2133-24V	2BA 959 021-00	30442	8-2133-08	N/A LED	ADR 6/00 Cat 2a																												
AMENDMENTS				ADR COMPLIANCE VERIFIED	ISSUE DATE:																												
					01/2003																												
					959 149-53																												

INSTRUCTION SHEET

for: **2BA 959 021-001 / 2133-24V**

**Lamp Mounting**

Do not mount the lamp where damage is likely to be sustained due to tie-downs and other securing devices.

Lamp should be mounted on a flat surface.

Drill two 6mm diameter holes at 110mm centres.

5mm diameter screws or bolts are recommended to mount the lamp using the mounting bushes provided.

Ensure that the engraving "TOP" is located in the correct position.

Note the corresponding arrow under the engraving "TOP" must point to the closest vertical edge of the vehicle.

If passing the cable through a hole, ensure there are no sharp edges to cut or chafe the cable.

Connect the lamp as per the wiring chart shown below.

Try to keep the cable as long as possible, preferably join the cable inside a sealed cable junction box.

Clip the cover on securely until flush with the lamp surface.

Note: when mounting lamp units side by side allow a gap of 5mm to ensure cover removal.

**General Dimensions (mm)**

**Wiring Colour Coding**

This lamp is for 24 volt applications only.

LED modules are polarity conscious. Reverse polarity will not damage this product but will inhibit its function.

HELLA recommends wire connections be soldered, and heat shrink tubing applied to seal the joint.

Colour	Connect to	Power Consumption
White/Black	Negative (-)	-
Yellow	Indicator (+)	5 watts

NB: Lamp must be protected by a fuse rated at 5 amperes maximum.

**Important Notes for Installer and Vehicle Owner**

**Introduction**

LED signal and marker lamps offer many advantages over conventional bulb lamps. Significantly reduced power consumption, ultra long life and high tolerance to shock and vibration make the LED lamps the ideal choice for the commercial transport industry, where the cost of ownership versus the initial purchase price of the product is well understood.

**Compatibility to existing electrical systems**

It is important for the installer to ascertain the compatibility of the low power consumption LED lamps with the electrical and/or electronic systems of the complete vehicle, including trailers. In most cases the reduced power consumption is beneficial by imposing less demands on the entire electrical system.

For certain functions some electrical systems rely on a set power consumption for monitoring whether, for example, a trailer is connected.

**Electromagnetic Compatibility (EMC)**

This LED lamp is an electronic device. The electrical circuits contain components that suppress possible interference, both emission as well as susceptibility, to the technical requirements for the application of the Regulatory Compliance Mark (RCM).

To avoid false signals or interference, it is standard practice that sensitive instrumentation such as ABS and Tachometers etc. are provided with direct earths.

**Protection against damage due to voltage spikes**

This lamp is protected against reverse polarity connection and negative voltage spikes of up to 1000 volts.

**Electric Welding**

Electric Welding may damage the LED lamps. For LED lamps, Hella recommends the negative connection to be wired isolated from the vehicle chassis. If the lamp uses the chassis as the earth return it is recommended that this earth return is disconnected during electric welding.

**FIT AND FORGET - BY DESIGN**

Congratulations, the product you have selected comes from **HELLA** - a world leader in LED lighting design.

Following the launch of the first LED automotive signal lamps in 1990, **HELLA** Design and Innovation continues to set new standards. **HELLA** innovative solutions have been incorporated into millions of lamps, engineered and tested to the most stringent standards, to suit the most demanding environmental conditions.

The cornerstone to the success of our products is our no compromise **Fit and Forget - by Design** philosophy which is incorporated into every step of the product life cycle.

In a world consuming finite resources at an ever faster rate, **Fit and Forget - by Design** is the right environmental choice that also makes perfect economic sense to customers that consider the total life cycle Cost of Ownership.

For general comments about HELLA's products please contact us on E-mail at [techfeedback@hella.co.nz](mailto:techfeedback@hella.co.nz)