#### **INSTRUCTION SHEET**

# for: 2PF 959 590-xxx & 2055



ADR

# **ADR - APPLICATION AND** MOUNTING INSTRUCTIONS

ADR 49/00 Front End-Outline Marker Lamp ADR 49/00 Front Position (Side) Lamp

### FRONT END-OUTLINE MARKER LAMP AND FRONT POSITION (SIDE) LAMP

#### Lens Marking and ADR 13/00 Installation Requirements

This lamp, identified by lens marking A (E24) 02 0054 and the logo was manufactured to comply with ADR 49/00 Front End-Outline Lamps / Front Position (Side) Lamps.

- A tolerance of +/-3 degrees applies on all mounting details.
- Lamp mounting surface must be vertical to the ground and be square to the vehicle longitudinal axis
- Lamp reference axis can be horizontal or vertical.

#### Front End-Outline Marker Lamp

Lamp must be visible between

Horizontal angle: 0° inwards (parallel with vehicle axis) and 80° outwards

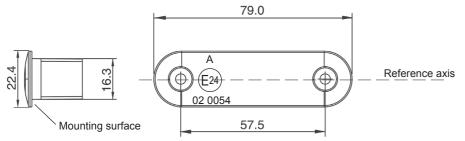
Vertical angle: 5° above and 20° below the horizontal

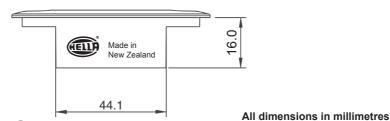
#### Front Position (Side) Lamp

· Lamp must be visible between

Horizontal angle: 45° inwards and 80° outwards Vertical angle: 15° above and below the horizontal

Note: Please refer to ADR 13/00 for more details.





Note: Lamp may be mounted in the horizontal or vertical postion.

LENS IDENTIFIC	CATION NUMBER:	A (E24) 02 0054		
CATALOGUE	ENGINEERING	CRN	ECE COMPLIANCE	ADR 51/00
NUMBER	NUMBER	NUMBER	NUMBER	GLOBE

NUMBER	NUMBER	NUMBER	NUMBER	GLOBE	APPLICABLE	
2055	2PF 959 590-40	N/A ECE	A E24 02 0054	N/A LED	ADR 49/00 ECE R 7/01	
	AMENDME	ECI	E COMPLIANCE	ISSUE DATE:		

2055	2PF 959 590-40	N/A ECE		N/A ECE A E24 02 0054		LED	ECE R 7/01
AMENDMENTS					VERII	FIED	ISSUE DATE:
08/08	10/08	8		01/11	STATE OF THE CONTROL		10/00
					\	Certification	959 149-26

**HELLA-New Zealand Limited, Pakuranga** 

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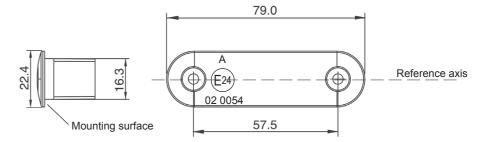
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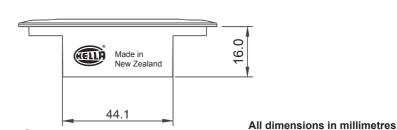
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CATALOGUE

NUMBER

2055

LENS IDENTIFICATION NUMBER: A (E24) 02 0054

ENGINEERING	CRN	ECE COMPLIANCE	ADR 51/00	ADR
NUMBER	NUMBER	NUMBER	GLOBE	APPLICABLE
2PF 959 590-40	N/A ECE	A E24 02 0054	N/A LED	ADR 49/00 ECE R 7/01

I			I	I	
		CE COMPLIANCE ERIFIED			
08/08	10/08	8	01/11	NSAI  Certification  TRANSPORT	
				TRANSPORT DEPARTMENT	

10/00

ISSUE DATE:

959 149-26

**HELLA-New Zealand Limited, Pakuranga** 

959 149-26 / 04.19 959 149-26 / 04.19

# INSTRUCTION SHEET for: 2PF 959 590-xxx & 2055



### **Lamp Mounting Instructions**

Ensure the lamp is mounted on a flat surface with the gasket provided. The lens may be used as a template for the mounting holes. Mount the lamp and fit screw caps into the mounting hole recesses of the lens.

Note: Lamp is fully sealed and has no serviceable components. If it is necessary to remove the screw caps, use a pin.

### Wiring Colour Coding

The marker lamp is multi voltage capable allowing full light output between 8 and 28 volts. LED lamps 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	
Black	Earth (-)	-	
White (Red Trace)		0.4 watts @ 12 volts 0.8 watts @ 24 volts	

**NB:** Lamp must be protected by a fuse rated at 2 amperes maximum.

#### **Energy saving recommendation for 24 volt systems**

To derive the full benefit of the low power consumption (0.4 watts), HELLA recommends to wire pairs of marker lamps in series.

#### 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

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