

## Mounting Instructions

The Combination rear direction indicator, Rear position, Reflector, Reversing and Stop lamp is to be mounted using the **M6 lugs** provided. Mounting holes of up to **Ø7.0mm** at **135mm** centres are needed to accommodate the mounting. If the lamp cable is to be routed through the mounting surface, ensure the hole has no sharp edges to cut or chafe the cable.



SIR Trailer parts recommend that the lights are secured using a locknut such as a 'Nyloc nut' and. The recommended torque of the nut is **12Nm**

## Wiring Colour Code

The LED Rear Lamp is multivolt allowing full functionality between 12 and 24 volts. LED lamps are made with a positive and negative polarity. Reverse polarity will not damage the light but will prevent its function.

Colour	Connect to	Power Consumption
Red	Stop Lamp (+)	1.5 watts
Black	Earth (-)	-
Blue	Positive (+)	0.2 watts
Yellow	Indicator (+)	1.5 watts
White	Reverse (+)	5 watts

## CTA – Application and Mounting Instructions

CTA Number: xxxxxxxxxx

Function Compliance

Function	Applicable ADR	ECE Approval
Rear Direction indicator Lamp	ADR 6	E4-6R-01 27750
Reflector	ADR 47	E4-3R-02 27750
Reverse Lamp	ADR 1	E4-23R-00 27750
Stop Lamp	ADR 49	E4-7R-02 27750
Rear Position Lamp	ADR 49	E4-7R-02 27750

## Lamp Marking

IB 2a R1-S1 AR  
 02 01 02 00



27750

*Left Side Lamp*

IB 2a R1-S1 AR  
 02 01 02 00



27750

*Right Side Lamp*

## Compliance of Fitment

Ensure all electrical installations meet the requirement of *Australian Design Rule 42 – General Safety Requirements*.

Ensure the lights are located in accordance with *Australian Design Rule 13 – Installation of Lighting and Light-signalling Devices on other than L-Group Vehicles*

### Summary of requirements

Function	Location	Visibility		Electrical
		Horizontal	Vertical	
Rear Direction indicator Lamp	350mm minimum height  1,500mm maximum height <sup>1</sup>  Maximum of 400mm from trailer edge	45 degrees inwards  80 degrees outwards	15 degrees above and below horizontal <sup>3</sup>	Must operate: when the tow vehicle's indicators are operating  via a single control, independent of other lamps  at a flash rate within the range of 60-120 flashes per minute  in phase on each side of the trailer
Stop Lamp	Minimum of 600mm apart <sup>2</sup>	45 degrees inwards  45 degrees outwards		Must operate when the tow vehicle's brake lamps are illuminated, and when the service brakes (if fitted) on the trailer are operating.
Rear Position Lamp		45 degrees inwards  80 degrees outwards		Must operate when tow vehicle's tail lamps are illuminated

<sup>1</sup> may be increased to 2,100mm if bodywork design requires this

<sup>2</sup> may be reduced to 400mm if trailer width is less than 1,300mm

<sup>3</sup> where a lamp is mounted at a height of less than 750mm, the downward angle may be reduced to 10.°

Instruction Sheet  
 For: **Part No. S017815**



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Function	Location	Visibility		Electrical
		Horizontal	Vertical	
Rear Reflectors (nontriangular)	250mm minimum Height  900mm maximum height <sup>4</sup>  Maximum of 400mm from trailer Edge  Minimum of 600mm apart <sup>1</sup>	30 degrees Inwards  30 degrees outwards	10 degrees above and below horizontal	N/A
Reverse Lamps	250mm minimum Height  1200mm maximum height	45 degrees Inwards  30 degrees outwards	15 degrees above horizontal  5 degrees below horizontal.	Must operate only when reversing lights are operating on the tow vehicle.

<sup>4</sup> may be increased to 1,500mm if bodywork design requires this



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