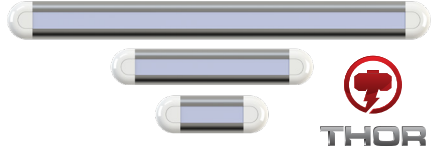


## Installation and Operation Instructions Thor Interior Lights



### Product Description

Redtronic's Thor interior lights offer latest technology, bright white LEDs in a high quality compact aluminium housing with frosted lenses designed for optimum light diffusion. The Thor interior lights are ideal for illuminating large spaces such as van cargo areas. They meet the requirements of IP54 to protect against water, are EMC R10 approved and ADR compliant. These lights are suited to a wide variety of interior applications, are available in three length options and comes with a 12 month warranty.

| Part Number | Lumens | Colour Type | Voltage  | LEDs | Warranty  |
|-------------|--------|-------------|----------|------|-----------|
| ITRW-160-WB | 273lm  |             | 10-30VDC | 22   | 12 months |
| ITRW-160-WB | 691lm  |             | 10-30VDC | 58   | 12 months |
| ITRW-160-WB | 1169lm |             | 10-30VDC | 134  | 12 months |

### Technical Information



|                  |  |
|------------------|--|
| Voltage Range    | 10-30VDC                                       |
| Directional Type | Latest technology, bright white LEDs           |
| Number of LEDs   | 22 (160mm) 58 (300mm) and 134 (600mm)          |
| IP Rating        | IP54 protection against dust and water ingress |
| Compliant        | EMC R10, ADR                                   |
| DIM              | Yes 50% DIM function                           |
| Weight           | 14g (160mm), 25g (300mm) and 52g (600mm)       |
| Lens Material    | Frosted polycarbonate lens                     |
| Mounting         | Surface mount (screws included)                |
| Wire Length      | 190m approx.                                   |
| Warranty         | 12 months                                      |

### Cable Connections

| Function    | Cable Colour       | Description                                  |
|-------------|--------------------|--|
| Power 1 +ve | <b>Red Wire</b>    | Power 1 - powers primary colour (100% white) |
| Power 2 +ve | <b>Yellow Wire</b> | Power 2 - powers secondary colour (blue)     |
| Ground -ve  | <b>Black Wire</b>  | 0v ground / earth                            |
| DIM + ve    | <b>White Wire</b>  | Activates DIM mode (50% white)               |

## Installation

Connecting the Thor interior light to a vehicle battery / power source requires the **black wire** to be connected to the **negative** [-ve] terminal, and the **red wire** to be connected to **positive** [+ve] terminal. **Note:** the red wire will always override the yellow or white wires.

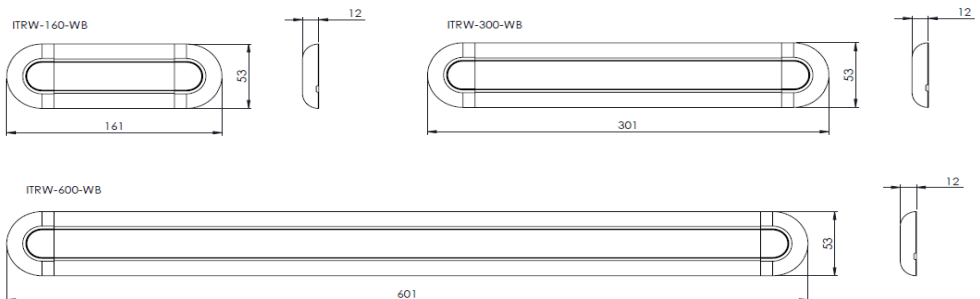
### To activate secondary colour:

Connect the **yellow wire** to positive [+ve] and the **black wire** to negative [-ve] terminals on the power source. N.B. If you activate with **red wire** (V1) to +ve, blue light will not activate.

### To activate the DIM function:

Connect the **white wire** to positive [+ve] at the power source to enable DIM (50% white) mode. The **white wire** needs a constant connection to positive [+ve] to operate in this mode. N.B. If you activate with **red wire** (V1) to +ve, dimmed mode will not activate.

## Dimensions



## Fixing / Mounting

Out of the box the end caps are not attached to the lamp and the screw locations are exposed for the installer's convenience. Once the lamp is secured in place (via the two end screw locations), attach the corresponding end caps to cover the screws. **Note:** To avoid the end caps coming loose due to vibration, the end caps are a tight fit. If you must remove the end caps, applying pressure on the centre of the end cap which in turn moves the internal locator pins outwards and makes removing it easier. It is not recommended to attach the end caps until the lamp is properly installed and secured.

## Warranty and Liability

Redtronic warrants that on the date of purchase, this product will conform to Redtronic specifications for this product (which are available from Redtronic upon request). This product benefits from a 12 month warranty from the date of purchase.