

INNOVEC

CONTROLS PTY LTD

INNOVEC LEDRLE READING LIGHT V1



The **LEDRLE READING LIGHT** is a 24VDC/AC powered LED ARRAY (1 LED [light emitting diode]) INDICATING light supplied in a panel mount enclosure with an IP54 weatherproof rating.

FEATURES

- High intensity LED with a 15 degree viewing angle
- User adjustable light direction
- Eye Ball is tensioned in place by rear mounted springs
- Available in white
- Constant brightness unaffected by voltage variance
- Nominal 24VDC – 24VAC [18-36V]
- Low cost - High performance
- Application is intended for rail and tram rolling stock

The LEDRLE - Reading Light is an advanced instrument that has been designed and manufactured to stringent specifications.

The LEDRLE is a Led array suitable for harsh and long life. It has been designed to reject electrical interference that normally abounds in industrial environments and includes flying lead (Wago or Deutsch) electrical connection.



TECHNICAL SPECIFICATIONS

Display

- An array of 1 high contrast, high power Nichia light emitting diode (LED) with a 15-degree Collimator Lens
- Minimum light intensity of 450 Lux at one metre

Environmental Parameters

- -10 to 70 degrees Celsius (32-158 degrees Fahrenheit)
- 0-90% RH non-condensing

Connection Details

- Terminal 1: Tail active supply (flying lead marked with red heat shrink)
- Terminal 2: 0VDC supply (flying lead unmarked)
- Terminal 3: Ground supply (flying lead marked with Green/Yellow heat shrink)

Power Supply

- 24VDC/AC (18-36V). Other voltages on request
- Current consumption is 200mA @ 24VDC
- The power supply input to the light is protected by an interference circuit to enable compliance with EN50121
- Reverse polarity protection (reverse connection will not cause any damage).

Weight

- LEDRLE is 300 grams

Mounting Details

- Housing made from 3D printed Flame Retardant ABS (High Temperature) including M4 mounting holes on a PCD of 73.5mm
- The LED Eyeball and mounting frame is spring loaded so after adjustment of the light direction, it will retain its position

Ordering Information

- The part number is configured as:
- Model/input signal/display units/power supply/options
- Sample # for reading light: LEDRLE/1L/450/24VDC/AC