

# INNOVEC

## CONTROLS PTY LTD

### INNOVEC LEDCL COUPLER LIGHT



The LEDCL is a 12-40VDC or 55-154VDC powered LED COUPLER LIGHT supplied in a surface mounting enclosure with an IP66 weatherproof rating intended for the illumination of coupler equipment on rail cars and locomotives.

#### FEATURES

- High power 3 watt LED's with a 15 degree view angle
- Available in red, green, blue or white
- Constant light
- Nominal 24 [18-30VDC] or 120 [50 to 140VDC]
- Low cost - High performance
- Applications include illumination of the coupler equipment on rail vehicles

The LEDCL is an advanced instrument that have been designed and manufactured to stringent specifications.

The LEDCL 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 electrical connection.



## TECHNICAL SPECIFICATIONS

### Light output

- An array of 4 high power light emitting diode's (LED) each fitted with a 15 degree collimator lens giving a light emission angle of 15 degrees for each LED. The led's are arranged in 1 independent circuit and are pulse width modulated. The light output is set at 3000Lux at a distance of 40cm with a 24VDC supply..

### Environmental Parameters

- -40 to 70 degrees Celsius.
- 0-90% rh non-condensing.

### Connection Details

- Terminal 1: VDC active supply (flying lead marked with red heat sink)
- Terminal 2: 0VDC supply (flying lead unmarked)

### Power Supply

- 24VDC (12-40DC) or 55 to 154VDC. Other voltages on request
- Current consumption is 200mA @ 24VDC
- The power supply to the light is protected by a power conditioning circuit and other componentry to ensure compliance with EN50121.
- Reverse polarity protection (reverse connection will not cause any damage).
- **Weight**
- LEDCL is 200grams.

### Mounting Details

- Surface mounting black anodised aluminium enclosure of case dimensions 140mm x 64mm 40mm deep. It has fixing centres of 127mm wide by 30mm high using an 6mm hole.

### Ordering Information

- The part number is configured as.
- Model/input signal/display units/power supply/options.
- Sample number: LEDCL/4/400/24VDC.