

INNOVEC

CONTROLS PTY LTD

INNOVEC LEDMLV MARKER LIGHT RETROFIT MODULE PAIR WITH INTEGRAL MOUNTING BRACKET



The LEDMLV is a 20 - 75VDC powered LED ARRAY (48 LED [light emitting diode] Marker light supplied in a surface mount enclosure with an IP65 weatherproof rating intended for rail cars.

FEATURES

- High intensity LEDs with a 15 degree view angle
- LEDs arranged in 6 independent circuits
- Constant light with no brilliance change between 20 to 80VDC
- Incorporates one red and one white light
- Closed loop current control LED driver circuits
- Nominal 20-80VDC
- Low cost - High performance
- Application is for marker light on railway rolling stock

This module is intended for retrofitting to existing locomotives. Some vehicles have built for 24VDC operation, some for 36 VDC and others for 72VDC. This module allows one product to be used in all those applications.

The LEDMLV marker light is an advanced instrument that have been designed and manufactured to stringent specifications.

The LEDMLV 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

Display

- An array of 48 high contrast light emitting diodes (LED) with a light emission angle of 15 degrees for each LED. The led's are arranged in 6 independent circuits so the loss of one led will not stop the light from functioning.

Environmental Parameters

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

Connection Details

- Terminal 1:20-80VDC active supply (flying lead marked with red heat shrink)
- Terminal 2: 0VDC supply (flying lead unmarked)
- Terminal 3:Ground supply (M6 x 15 brass screw)
- All wiring supplied as flying leads and terminated with Wago connectors

Power Supply

This module is intended for retrofitting to existing locomotives. Some vehicles have been built for 24VDC operation, some 36 VDC and 72VDC. This module allows one product to be used in all those applications.

- 20VDC (20-80VDC). Other voltages on request
- Current consumption is 50mA @ 72VDC
- The power supply input to the light is protected by a interference suppression circuit compliant with EN50121
- Reverse polarity protection (reverse connection will not cause any damage to the light).

Weight

- LEDMLV is 1000grams.

Mounting Details

- Surface mounting black anodised aluminium enclosure of case dimensions 133mm diameter flange by 40mm deep, a body diameter of 104mm with fixing centres of 85mm wide by 85mm high using an 8mm hole.

Ordering Information

- The part number is configured as.
- Model/input signal/display units/power supply/options.
- Sample number for marker light module: LEDMLV/48/40/20-72VDC/R/W.