

IPX MICRO LEVELLIGHT

Inductively Powered, Intelligent LED marker. Ideal for pedestrian footpath, architectural and urban lighting.

Product Code: MLV-RGB



Features

- Installed flush with road or footpath surface
- Integrated reflective elements for optimised light output
- Durable inductive coupling, no physical connection between power source (buried cable) and light unit
- Fully programmable and controllable
- High impact polycarbonate housing with stainless steel ring
- Patented 2-way communication and diagnosis capabilities available
- Integrated optics (one part housing)
- Fully sealed unit to protect against water ingress

Product data

Functionality

- Light Direction: Uni-Directional with 28 high intensity LEDs facing upwards direction
- LED Colours: RGB (single colours available on request)
- Marker Top Colour: Brushed stainless steel with translucent lens

Electrical Specification

Electrical Input

Power Consumption: 2 Watt

Electrical Output

Power Transfer Method: Inductive (no direct electrical connection)
Frequency of operation: 38.4 kHz for power conversion
 $\pm 1.5\%$ for data communication

Other

- Individual LED Aperture Angle: 120°
- Life Span of LEDs: 100 000 h (L70F10)(LED manufacture Specification)
- Individual LED Brightness: Red = 500 - 1250 mcd
Green = 1250 - 3150 mcd
Blue = 250 - 630 mcd
- Chromaticity: Red: 625nm
Green: 528nm
Blue: 470nm

Compliance

CE marking: YES
RoHS: YES

Operating Environment

Ingress Protection Rating: Built to IP68 and IP69K
Operating Temperature: -20°C to 100°C
Compressive Load: Up to 18 tons

Physical Construction

Housing Material: Polycarbonate certified to UL 94 V0

Installation

Method of Attachment: 6x Screws (4.5x25mm T20 Torx)
Receptacle: IPX Micro Canister
Orientation: Any rotation

Product Dimensions

Max Diameter: 92.8mm
Installed Height: <1mm (typical)
Total Height: 46mm

Product Data

Full product code: MLV-RGB
Full product name: IPX Micro Levellight RGB
Packing configuration: Horizontal
Packs per outer box: 1
Net weight per piece: 320g
Made in New Zealand from local and imported components



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Version 3/Dec 2020

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