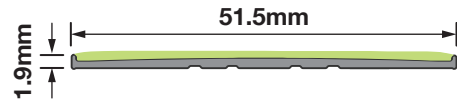


# Photoluminescent Marking Strip RML-5050

2024 Product Data Sheet



The 51.5mm wide RML5050 Photoluminescent Marking Strip is designed to be used in and about building to identify escape routes to meet Singapore Fire Code. The Marking Strip will be clearly visible and effective in all light conditions including failure of the main lighting.

## COMPLIANCE

Complies with the following SCDF Codes:

### Code of Practice for Fire Precautions in Buildings 2023

- Clause 8.1.8 Photoluminescent Marking,
- Clause 9.9.7 j (Mega Underground Development)  
Provision for emergency directional signs/generator

### Code of Practice for Fire Precautions in Rapid Transit Systems 2022

- Clause 8.1.8 Photoluminescent Marking,  
*regulate* Photo luminescent marking to guide occupants along evacuation routes to appropriate exit shall be provided.

## PERFORMANCE

Designed in accordance with UL1994 for 10 metre visibility to meet Singapore Fire Code.

30 minutes visibility

Minimum charging illuminance of 20 lux continuously during occupancy.

90 minutes visibility

Minimum charging illuminance of 60 lux continuously during occupancy.

Ecoglo RML5050 Photoluminescent is suitable for use indoors and outdoors.

**UV Resistance** – Loss of luminance after 1000 hours ASTM G-155 Cycle 1 exposure < 10%; Pass

**Salt Spray Resistance** - ASTM B117: Pass

**Washability** – ASTM D4828: Pass

**Surface Flammability** – ASTM E162: Pass

**Brightness** - ISO 17398: 2004 : Class D (3478mcd/m<sup>2</sup> at 1 min, 373 mcd/m<sup>2</sup> at 10 min and 1 mcd/m<sup>2</sup> at 1141 min)

**Toxicity** – Bombardier Toxic Gas Generation Test SMP800-C: Pass

**Radioactivity** – Pass

## SUPPLY

The product is available in a piece of 500mm (length) x 51.5mm (width).

## COMPOSITION

Ecoglo RML5050 Photoluminescent Marking Strip is manufactured from extruded 6060T5 Aluminium section. Custom made photoluminescent pigment are embedded in thermoset polyester carriers to integrally bond the active ingredients into the aluminium following curing at high temperature.

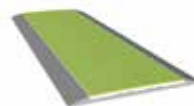
## INSTALLATION

Installation is a simple process with polyurethane adhesive or using polyurethane adhesive and screw if adhesion is difficult.

A 2 ~ 3mm gap between joints is recommended for length longer than 1500mm in an outdoor environment.

Ecoglo RML5050 Photoluminescent Marking Strip can be surface mounted onto the wall as well as demarcation lines on staircase. Also it can be used to mark the doors of smoke-stop lobby, fire-fighting lobby and exit staircase.

It can also be adhesively fixed onto the P50 Nosing (***sold separately***) for wall mounted installation.



Recommended installation adhesive is Bostik Seal N Flex FC.  
Recommended installation plug is Fischer Plug SX.



Contact : Ecoglo Pte Ltd  
Phone: 6858 3530 Email: info@ecoglo.sg

