

# Product Data Sheet - Handrail Marker H3-001

2021 V2



H3-001 Handrail Marker 16mm

**The H3-001 Handrail Marker is designed to ensure visibility of handrails in escape routes for compliance with NCC 2019 EP4.1 Visibility in an Emergency requirements. The Handrail Marker will be effective in all light conditions including during failure of the main lighting.**

## COMPLIANCE

Independently tested in accordance with UL1994 for 10 metre visibility to meet NCC 2019 BCA Vol. 1 Clause EP4.1 Visibility in an Emergency.

## PERFORMANCE

### 30 Minute Evacuation Time

Minimum charging illuminance of 20 lux for 5 minutes will ensure visibility for 30 minutes after failure of the main lighting.

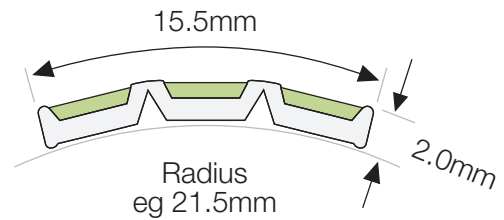
### 90 Minute Evacuation Time

Minimum charging illuminance of 60 lux for 5 minutes will ensure visibility for 90 minutes after failure of the main lighting.

### 120 Minute Evacuation Time

Minimum charging illuminance of 80 lux for 5 minutes will ensure visibility for 120 minutes after failure of the main lighting.

Outdoor and daylit installations will absorb enough natural light to be visible throughout the longest winter night.



The Handrail Marker is suitable for use indoors and outdoors.

**Operating Temperature Range:** -10°C to +40°C\*

\* For controlled environment (constant temperature) rooms below 0°C contact Ecoglo.

**UV Resistance** - Loss of luminance after 1000 hrs ASTM G-155 Cycle 1 exposure <10%: Pass

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

**Washability** - ASTM D4828: Pass

**Rate of Burning** – ASTM D635: Pass

**Surface Flammability** – ASTM E162: Pass

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

**Radioactivity** – ASTM D3648: Pass

**High Temperature Curing:** Pass

## SUPPLY

The products are available in 1 metre and 1.5 metre lengths.

PRODUCT CODE	PRODUCT DESCRIPTION	PRODUCT LENGTH
H3001T-1000	Handrail Marker 16mm	1000mm
H3001T-1500	Handrail Marker 16mm	1500mm

## COMPOSITION

Ecoglo H3-001 Handrail Marker is manufactured from extruded 6063T5 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. The photoluminescent area is also recessed into protective channels.



## INSTALLATION

Installation needs to be carried out strictly in accordance with the Ecoglo installation instructions.

Full Installation Instructions including surface preparation are on our website.

**If installing outdoors please consult Ecoglo.**

**H3-001T-1000** Release tape pre-fitted

**H3-001T-1500** Release tape pre-fitted

## END CAPS

Metal end caps to fit H3-001 are also available if required (see insert). These are fixed using a screw or rivet and are suitable for use outdoors

**HREC3** Metal End Cap

## Contact

### Ecoglo Australia

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