



The G7-100 Solaris is designed to ensure visibility of pathways in escape routes for compliance with NCC 2019 EP4.1 Visibility in an Emergency requirements. The G7-100 Solaris will be effective in all light conditions including during failure of the main lighting.

COMPLIANCE

Minimum frequency of 1 marker per metre meets the requirements of UL 1994 6.1.2b.

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 daylight installations will absorb enough natural light to be visible throughout the longest winter night.

The G7-100 Solaris is suitable for use indoors and outdoors.



Operating Temperature Range: -20°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 product is available in a pack of 10 x 100mm pieces.

COMPOSITION

Ecoglo G7-100 Solaris is manufactured from extruded 6063T5 aluminium section. Custom made photoluminescent pigment is 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.

Consult Installation Instructions on website for full details and surface preparation.

Fixers (screws) or release tape can be used if adhesion is difficult. (See order codes below for the product that best suits).

G7-100 For polyurethane adhesive fixing

G7P-100 Punched for screw fixing

G7T-100 Release tape pre-fitted

Contact

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