

Photoluminescent Sign UL 924 Pictogram Left

2024 Product Data Sheet



Ecoglo Photoluminescent Signs are designed to be used in and about building to identify escape routes to meet Singapore Fire Code 2023 Clause 8.1.8 Photoluminescent Marking. The Signs will be clearly visible and readily understandable under all conditions of foreseeable use, including emergency conditions.

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.

UL 924 COMPLIANCE

Ecoglo Photoluminescent Signs are UL 924 tested and compliant. UL Product File No: E516232.

COMPLIANCE

Ecoglo Photoluminescent Signs are UL 924 tested to meet viewing distance of 50 feet (15.24 metres) and 75 feet (22.86 metres) for compliance.

PERFORMANCE

The signs will be operational for at least 90 minutes after failure of the main lighting provided they have been continuously illuminated by a reliable light source with a minimum of 5 ft-candles (54 lux).

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

Reaction to Fire - BS 476 Part 7: Class Two

Toxicity – BS 6853:1999 Annex B : Pass

Brightness - ISO 17398: 2004 : Class D (6760mcd/m² at 1 min, 967 mcd/m² at 10 min and 1 mcd/m² at 2138 min)

Radioactivity – Pass

SUPPLY

The products are available in 2 sizes to meet viewing distance of 50 feet (15.24 metres) and 75 feet (22.86 metres)

PRODUCT CODE	SIGN DEFINITION	SIGN SIZE (mm)	MAXIMUM VIEWING DISTANCE
S20-UL-RML392223-50	PICTOGRAM LEFT	392 x 223	50ft (15.24m)
S20-UL-RML480280-75	PICTOGRAM LEFT	480 x 280	75ft (22.86m)

COMPOSITION

The high visibility flat panel is manufactured from 5005 0.9mm Aluminium sheet. Custom made photoluminescent pigments are embedded in thermoset polyester carriers to integrally bond the active ingredients into the aluminium following curing at high temperature.

INSTALLATION

The standard sign is for mounting flat onto the wall.

Installation is a simple process with polyurethane adhesive, screw and plug or using polyurethane adhesive only if drilling is not possible.

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

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