

Product Technical Statement

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Manufacturer: Ecoglo International Limited

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Product Ecoglo Photoluminescent Exit Signs

Description: Ecoglo Photoluminescent Exit Signs range provides pictogram and text signage to identify exits from buildings. An emergency power supply is not required.

Scope of Use: This product technical statement covers the Ecoglo range of photoluminescent exit signs listed below which can be used to meet NCC 2016 Vol 1 Spec. E4.8 when the installed lighting to charge the photoluminescent material provides at least 100 lux at the face of the sign, or can be used in Performance Solutions to meet EP4.2.

The product technical statement covers the following products:

Pictogram: S20-RM2916-16m, S20-RM4223-24m, S20-RM5630-32m, S20-RM6334-36m, S20-RM7037-40m, S20-RM8445-48m

Pictogram (exit to left): S20-RML2916-16m, DSS20-RMD2916-16m, S20-RML4223-24m, DSS20-RMD4223-24m, S20-RML5630-32m, S20-RML6334-36m, S20-RML7037-40m, S20-RML8445-48m

Pictogram (exit to right): S20-RMR2916-16m, DSS20-RMD2916-16m, S20-RMR4223-24m, DSS20-RMD4223-24m, S20-RMR5630-32m, S20-RMR6334-36m, S20-RMR7037-40m, S20-RMR8445-48m

Double Arrow: S20-RMRL2916-16m, DSS20-RMRL2916-16m, S20-RMRL2916HV-16m, DSS20-RMRL2916HV-16m, S20-RMRL4223-24m, DSS20-RMRL4223-24m, S20-RMRL4223HV-24m, DSS20-RMRL4223HV-24m

Exit: S20-EX2313-16m, S20-EX2916-24m

Emergency Exit: S20-EE6128-16m, S20-EE7835-24m

Arrow: S20-AR1313, S20-AR1616, S20-AR2323

Accessible: S20-AC1616

No Exit: S20-NE4113-16m

Conditions: To be installed/used as described in Product literature available on website (www.ecoglo.com.au). Signs must be charged by exposure to electric lighting, or daylight (supplemented by electric lighting if necessary). Daylight through window glass, whether direct or reflected off room surfaces, provides effective charging for Ecoglo signs. Fluorescent, metal halide, or LED lighting with a colour temperature of 4000K or greater are suitable charging sources for Ecoglo exit signage.

Limitations: If the installed lighting used to charge Ecoglo in a building has a colour temperature of less than 4000K, a specific design of the lighting by Ecoglo is required.

Related "Technical Justification for Ecoglo Photoluminescent Exit Signs v16.1"

Technical (available from www.ecoglo.com.au)

Literature: "Designers Handbook for Ecoglo Markings v16.1" (available from www.ecoglo.com.au)

Relevant Code Clause: **Basis of Compliance:**

Design and Operation
of Exit Signs E4.8

Deemed to Satisfy Provisions

Ecoglo exit signs installed as specified comply

Visibility in an
Emergency EP4.2

Performance Solution

Ecoglo exit signs located to identify escape routes and installed in accordance with Ecoglo specifications meet this requirement.

Guidance for Consenting: Verification of ongoing luminance is not required. Ecoglo recommended Inspection and Maintenance Procedures check that the signs as installed have not been damaged or removed, and that any electrical lighting to charge the signs continues to function as intended.

This Product Technical Statement is a statement by the manufacturer that this product, if installed in accordance with the technical data, plans, specifications and advice prescribed by the manufacturer will comply with the relevant provisions of the building code. It relates to the provisions of the building code in effect at the date of issue of this Product Technical Statement.



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