

Section 26 53 00

Ecoglo Photoluminescent Exit Signs – Hybrid Photoluminescent Signs

This specification has been numbered, organized and formatted in accordance with the MasterFormat, Section Format and Page Format documents published jointly by Construction Specifications Institute (CSI). For convenience, all products are contained within Section 26 53 00 (Photoluminescent Exit Signs) but if desired may be edited/adapted to suit any other Section(s) of Work in accordance with project requirements.

It is offered as a guide to experienced and knowledgeable construction professionals who assume full responsibility for its interpretation and use.

**Square brackets [ ] containing text indicate an option to be considered/inserted by the specifier. Remove brackets and unused options before printing.**

## Section 26 53 00

## Photoluminescent Exit Signs – Hybrid Photoluminescent Signs

## Part 1 General

## 1.1 Summary

- A Work Included: Supply and installation of hybrid photoluminescent (PL) exit signs.

## 1.2 References

- A SA TS 5367:2021, Photoluminescent exit signage — Hybrid photoluminescent signage — Product specification, installation and operation

## 1.3 Quality Assurance

- A Manufacturer Qualifications: to have a minimum of 20 years' experience manufacturing photoluminescent materials.

## 1.4 Submittals

- A Submit the following [in accordance with Section 01 33 00 – Submittal Procedures]:
  - 1 Product Data: Manufacturer's printed product data sheets for materials used in system.
  - 2 Shop Drawings: Provide drawings showing details, dimensions, extent of work, and other data necessary for the satisfactory installation of the products stated herein.
  - 3 Manufacturer's Instructions: Pre-printed material describing installation of product, system or material, including special notices, Safety Data Sheets outlining hazards and safety precautions and maintenance and cleaning instructions.
  - 4 Test Reports: Showing compliance with SA TS 5367:2021 and required codes.
  - 5 Substitutions: Not permitted, however requests for substitutions will be considered provided substitute products and methods of execution are submitted at least 15 days prior to the bid closing date. All requests shall include test results, product descriptions, confirmation of piece design and engineering calculations meeting design criteria.

## 1.5 Delivery, Storage and Handling

- A Handle and store Products in a manner to prevent damage, deterioration and soiling to Products, other building components, assemblies, other Products, the structure, the Site and surrounding property and in accordance with manufacturer's instructions.
- B Store packaged or bundled Products in original and undamaged containers and packaging with manufacturer's seals and labels intact. Do not remove from packaging or containers until ready to be installed.

- C Store products subject to damage from weather in weatherproof enclosures.
- 1.6 Warranty
- A Provide manufacturer's limited warranty. Warranty to cover defects in materials and workmanship.
    - 1 10 Year Warranty on performance of hybrid PL exit signs including LEDs and driver.

## Part 2 Products

- 2.1 Manufacturers
- A Contract Documents are based on products by Ecoglo International Ltd ([www.ecoglo.com](http://www.ecoglo.com))
  - B Substitutions: [Under provisions of Division 01.] [Not permitted.]
- 2.2 Materials
- A Hybrid Photoluminescent Signs
    - 1 Energy storage panel comprising photoluminescent pigment embedded in a thermoplastic matrix to integrally bond the active ingredients.
    - 2 High efficiency, low power consumption LED charging source.
    - 3 LED driver.
    - 4 Housing comprising: Plastic canopy encasing electronics; Acrylic back plate and cover plate.
    - 5 PET Graphics.
- 2.3 Components
- A Basis of design: Ecoglo Hybrid PL Exit Signs
    - 1 Description:
      - a. No batteries and no backup power required for power outages.
      - b. Stores energy from a high efficiency, low power consumption LED charging source built into the unit.
      - c. Input: 230/240 Vac, 50/60 Hz, single and double sided sign.
      - d. Power Consumption: 0.5W single and double sided sign.
      - e. Includes mounting holes for fixing directly to ceiling or wall.
      - f. Non-toxic, non-radioactive.
  - B Visibility rating: 16m

*SPEC NOTE: The listed data included below provide product information for comparison purposes.*

<b>Product Code</b>	<b>Product Description</b>	<b>Graphics included</b>	<b>Maximum Viewing Distance</b>
HYU1.2	Single sided hybrid sign with white housing	1 x Running Man (RM), 1 x Running Man Right (RMR), 1 x Running Man Left (RML)	16m
HYU1.2-RMRL	Single sided sign with white housing	1 x RM Double Arrow	16m
HYU2.2	Double sided hybrid sign with white housing	2 x Running Man (RM), 1 x Running Man Right (RMR), 1 x Running Man Left (RML)	16m
HYU2.2-RMRL	Double sided sign with white housing	2 x RM Double Arrow	16m
HYU1.2-BLK	Single sided hybrid sign with black housing	1 x Running Man (RM), 1 x Running Man Right (RMR), 1 x Running Man Left (RML)	16m
HYU1.2-RMRL-BLK	Single sided sign with black housing	1 x RM Double Arrow	16m
HYU2.2-BLK	Double sided hybrid sign with black housing	2 x Running Man (RM), 1 x Running Man Right (RMR), 1 x Running Man Left (RML)	16m
HYU2.2-RMRL-BLK	Double sided sign with black housing	2 x RM Double Arrow	16m

### Part 3 Execution

#### 3.1 Examination

- A Before installation, examine surfaces on which the Work of this Section depends. Notify [Contractor] if surfaces do not comply with requirements of this Section.
- B Do not proceed with Work of this Section until all unsatisfactory conditions have been corrected, if any.
- C Commencement of Work will imply acceptance of surfaces.

#### 3.2 Preparation

- A Clean surfaces to remove debris, dirt, dust, grease, oil, loose material, or other matter that may affect installation of photoluminescent products.

### 3.3 Installation

- A Install Signs [as per Schedule attached at end of Section] [as indicated in Drawings].
- B Unless otherwise indicated in the specifications, install Signs in accordance with manufacturer's instructions. Obtain installation instructions from [www.ecoglo.com](http://www.ecoglo.com) or directly from manufacturer.

### 3.4 Cleaning

- A At completion of installation, clean soiled Sign surfaces in accordance with manufacturer's instructions.

### 3.5 Waste Management and Disposal

- A Separate waste materials for [reuse] [and] [recycling] at nearest used building materials facility.

### 3.6 Protection

- A Do not allow heavy objects to come into contact with installed Signs.

### 3.7 Signage Schedule

*Specification articles (product selections) contained within square brackets [ ] are shown as example choices only.*

<b>Sign Designation</b>	<b>Product Code</b>	<b>Maximum Viewing Distance</b>
[Sign designation on drawing]	[HYU1.2-RMRL]	16m
[Sign designation on drawing]	[HYU2.2-BLK]	16m

End of Section