

## Section 26 53 00

### Ecoglo Photoluminescent Exit 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.

This section includes editing notes to assist the user in editing the section to suit project requirements. These notes are included as hidden text, and can be revealed or hidden by one of the following methods:

- Microsoft Word: Click the OFFICE button, select WORD OPTIONS, select DISPLAY, and then select or deselect the HIDDEN TEXT option.
- Microsoft Word (earlier versions): From the pull-down menus select TOOLS, then OPTIONS. Under the tab labeled VIEW, select or deselect the HIDDEN TEXT option.
- Corel WordPerfect: From the pull-down menus select VIEW, then select or deselect the HIDDEN TEXT option.

## Section 26 53 00

### Photoluminescent Exit Signs

#### Part 1 General

##### 1.1 Summary

- A Work Included: Furnishing and installation of exit signs.

##### 1.2 References

- A [National Fire Protection Association (NFPA) 101 - Life Safety Code]  
[International Building Code / International Fire Code (IBC/IFC)]
- B UL 924, Standard for Emergency Lighting & Power Equipment

##### 1.3 Quality Assurance

- A Manufacturer Qualifications: to have minimum of 10 years experience with similar work.

##### 1.4 Submittals

- A Submit the following [in accordance with Section 01 33 00 – Submittal Procedures]:
  - 1 Product Data: Manufacturer's product literature for each Exit Sign type used in the project.
  - 2 Manufacturer's Instructions: Instructions describing installation of product, system or material, including special notices and Material Safety Data Sheets outlining hazards and safety precautions.
  - 3 Test Reports: Provide UL924 Certificates of Compliance.
  - 4 Substitutions: Substitutions must be submitted and approved prior to bid 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 required in the Work.
- C Store products subject to damage from weather in weatherproof enclosures.

##### 1.6 Warranty

- A Provide a written and signed Warranty in the name of the Owner from the date of Substantial Performance of the Work.

- B Warranty to cover defects in materials and workmanship.

Part 2 Products

2.1 Manufacturers

- A Contract Documents are based on products by Ecoglo Inc. ([www.ecoglo.us](http://www.ecoglo.us))
- B Substitutions: [Under provisions of Division 01.] [Not permitted.]

2.2 Materials

- A Reflectance material: strontium aluminate-based photoluminescent pigment embedded in thermoset polyester carriers that integrally bond the active ingredients.

2.3 Components

**\*\* NOTE TO SPECIFIER \*\* Delete items below not required for project.**

[Click Here](#) to view Ecoglo Step Edge Products

A Photoluminescent Exit Sign

Basis of design: Ecoglo EX Series Photoluminescent Exit Sign System

1 Features:

- a. EXIT letters on photoluminescent background.
- b. Clear anodized aluminum frame and universal mounting kit
- c. UL 924 Listed
- d. Requires 54 lux (5-foot candles) of light on sign face during building occupancy
- e. UL 924 approved for LED, fluorescent, metal halide and mercury vapor.
- f. Non-toxic, non-radioactive
- g. No electricity or batteries required

2 Warranty: 25 year warranty

3 Model Number:

4 Description:

*SPEC NOTE: The listed italics data included below provide product codes, colors, designations and dimensions for comparison purposes. Specification articles (product selections) contained within square brackets [ ] are shown as example choices only.*

<b>Model Number</b>	<b>Description</b>
<b>50 Foot Rated Visibility</b>	
<i>EX371201-50R-CA</i>	<i>Red Letter Photoluminescent EXIT sign with clear anodized aluminum frame and universal mounting kit. Each sign can be ceiling, side or surface mounted.</i>

	<p>50ft rated visibility.  Models available in single and double sided.  Dimensions: 14.6" x 7.9" (371 mm x 201 mm)</p>
EX371201-50G-CA	<p>Green Letter Photoluminescent EXIT sign with clear anodized aluminum frame and universal mounting kit.  Each sign can be ceiling, side or surface mounted.  50ft rated visibility.  Models available in single and double sided.  Dimensions: 14.6" x 7.9" (371 mm x 201 mm)</p>
EX353183-50R	<p>Red Letter Photoluminescent EXIT sign.  50ft rated visibility.  Wall Mount only. No frame or mounting kit included.  Single sided only.  Dimensions: 13.9" x 7.2" (353 mm x 183 mm)</p>
EX353183-50G	<p>Green Letter Photoluminescent EXIT sign.  50ft rated visibility.  Wall Mount only. No frame or mounting kit included.  Single sided only.  Dimensions: 13.9" x 7.2" (353 mm x 183 mm)</p>
<b>75 Foot Rated Visibility</b>	
EX424246-75R-CA	<p>Red Letter Photoluminescent EXIT sign with clear anodized aluminum frame and universal mounting kit.  Each sign can be ceiling, side or surface mounted.  75ft rated visibility.  Models available in single and double sided.  Dimensions: 19.6" x 10.5" (499 mm x 267 mm)</p>
EX424246-75G-CA	<p>Green Letter Photoluminescent EXIT sign with clear anodized aluminum frame and universal mounting kit.  Each sign can be ceiling, side or surface mounted.  75ft rated visibility.  Models available in single and double sided.  Dimensions: 19.6" x 10.5" (499 mm x 267 mm)</p>
EX405229-75R	<p>Red Letter Photoluminescent EXIT sign.  75ft rated visibility.  Wall Mount only. No frame or mounting kit included.  Single sided only.  Dimensions: 18.9" x 9.8" (481 mm x 249 mm)</p>
EX405229-75G	<p>Green Letter Photoluminescent EXIT sign.  75ft rated visibility.  Wall mount only. No frame or mounting kit included.  Single sided only.  Dimensions: 18.9" x 9.8" (481 mm x 249 mm)</p>

- B Architectural Photoluminescent Exit Sign  
Basis of design: Ecoglo EXA architectural Series Photoluminescent Exit Sign System  
1 Features:

- a. Photoluminescent EXIT letters on Red or Green background.
  - b. Clear acrylic face plate with beveled edges provides elegant finish.
  - c. UL 924 Listed
  - d. Requires 54 lux (5-foot candles) of light on sign face during building occupancy
  - e. UL 924 approved for LED, fluorescent, metal halide and mercury vapor light lighting.
  - f. Non-toxic, non-radioactive
  - g. No electricity or batteries required
- 2 Warranty: 25 year warranty
- 3 Model Number:
- 4 Description:

*SPEC NOTE: The listed italics data included below provide product codes, colors, designations and dimensions for comparison purposes. Specification articles (product selections) contained within square brackets [ ] are shown as example choices only.*

<b>Model Number</b>	<b>Description</b>
<b>75 Foot Rated Visibility</b>	
<i>EXAL-75R</i>	<i>Red Letter Photoluminescent EXIT sign with clear acrylic face plate and clear anodized aluminum mounting components. Available with ceiling, side or surface mount (sold individually). 75ft rated visibility. Models available in single and double sided. Dimensions: 15.1" x 7.6" (384 mm x 193 mm)</i>
<i>EXAL-75G</i>	<i>Green Letter Photoluminescent EXIT sign with clear acrylic face plate and clear anodized aluminum mounting components. Available with ceiling, side or surface mount (sold individually). 75ft rated visibility. Models available in single and double sided. Dimensions: 15.1" x 7.6" (384 mm x 193 mm)</i>

A Hybrid Photoluminescent/LED Exit Sign

Basis of design: Ecoglo EXH Series Hybrid Photoluminescent/LED Exit Signs.

1 Features:

- a. UL 924 Listed
- b. No batteries or back up power required.
- c. High efficiency low power consumption LED luminance
- d. Input: 120/240 VAC, 50/60 Hz, 0.1 A
- e. Consumption: 2.25W single sided, 4.5W double sided.
- f. Certified for 90 minutes operating time at 75 foot visibility

- g. Each Ecoglo hybrid exit sign includes mounting hardware for ceiling mount, surface mount and side mount.
- h. Non-toxic, non-radioactive
- 2 Warranty:
  - a. 10 year warranty on enclosure,
  - b. 5 year warranty on LED's and driver
  - c. 25 year warranty on photoluminescent.
- 3 Model Numbers:
- 4 Description:

*SPEC NOTE: The listed italics data included below provide product codes, colors, designations and dimensions for comparison purposes. Specification articles (product selections) contained within square brackets [ ] are shown as example choices only.*

<b>Model Number</b>	<b>Description</b>
<b>75 Foot Rated Visibility</b>	
<i>EXH-R175 &amp; EXH-R275</i>	<i>Red hybrid photoluminescent/LED EXIT sign with universal mounting kit. Each sign can be ceiling, side or surface mounted. 75ft rated visibility. Single sided model#: EXH-R175, Double sided model#: EXH-R275 Dimensions: 15.25" x 10.4" (387 mm x 264 mm)</i>
<i>EXH-G175 &amp; EXH-R175</i>	<i>Green hybrid photoluminescent/LED EXIT sign with universal mounting kit. Each sign can be ceiling, side or surface mounted. 75ft rated visibility. Single sided model#: EXH-G175, Double sided model#: EXH-G275 Dimensions: 15.25" x 10.4" (387 mm x 264 mm)</i>

## Part 2 Execution

- 2.1 Examination
  - A Before installation, examine locations 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.
- 2.2 Installation
  - A Unless otherwise indicated in the specifications, install Products in accordance with manufacturer's instructions. Obtain written instructions directly from manufacturer.
- 2.3 Cleaning

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

2.4 Waste Management and Disposal

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

2.5 Protection

A Do not allow heavy objects to come in contact with installed products.

End of Section