

## Rapid Spec

Ecoglo Photoluminescent Means of Egress (including Outdoor Means of Egress)  
 Specification to Improve or Restore Emergency Lighting System Performance

### A) DESCRIPTION

This document is to assist with specification and procurement of high performance Ecoglo products which are used internationally to replace emergency lighting.

**Indoors:** The high performance Ecoglo products can be used to improve old or malfunctioning emergency lighting systems and fill gaps where emergency lighting hasn't been installed and to increase egress speeds when smoke and shadows obscure overhead emergency lighting.

**Outdoors:** Daylight will allow extended visibility during dark conditions at night.

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

### B) WORKS SUMMARY

Stair and Step Edge Markings (HTC)

Handrail Markings (HTC)

Perimeter Demarcation and Door Frame Markings (HTC)

Egress Signage (HTC)

### C) WARRANTY

30 Year Warranty on photoluminescent performance of HTC products, including signs, when positioned indoors.

15 Year Warranty on photoluminescent performance of HTC products (excluding signs) when positioned outdoors.

### D) PRODUCTS

#### Step Edge Markings

High Luminance - YES

UL1994 - YES

UL410 - YES

HTC - YES

#### Product Codes

F9-175 Step Nosing

F14-175 Step Nosing

F15-175 Step Nosing

E22-075 Step Edge Contrast

E14-075 Step Edge Contrast

F9-185 Step Nosing

F14-185 Step Nosing

F15-185 Step Nosing

E22-085 Step Edge Contrast

E14-085 Step Edge Contrast

#### Handrail Markings

High Luminance - YES

UL1994 - YES

UL410 - NO

HTC - YES

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Product Codes

H3-001 Handrail Strip  
HREC3.WHT End Cap (non-HTC)  
HRJC3.WHT Joiner Cap (non-HTC)  
G3-001 Guidance Strip (for flat handrails)

**Perimeter Demarcation**

High Luminance - YES  
UL1994 - YES  
UL410 - NO  
HTC - YES

Product Codes

G3-001 Guidance Strip  
T6-101 Path Marker  
T5-101 Path Marker

**Egress Signage**

High Luminance - NO  
UL1994 - YES  
UL410 - NO  
HTC - YES

Product Codes

S5-RM2010  
S5-RMUA2010  
S5-RMDA2010  
S5-RML2010  
S5-RMR2010  
S5-RMUL2010  
S5-RMDL2010  
S5-RMUR2010  
S5-RMDR2010  
S5-ARS1010  
S5-ARD1010

E) TESTING NOTES

**High Luminance**

PLC (Photoluminescent Lighting Council) Test Method for High Luminance Egress Path Marking Systems.

All step edge products, handrail markings and perimeter demarcation products shall be independently tested in accordance with UL 1994 except that the observation test is replaced by luminance readings at 60, 90, 120 and 180 minutes after charging ceases.

Pass Criteria

60 minutes after charging ceases, a minimum of 15 mcd/m<sup>2</sup>;  
and  
90 minutes after charging ceases, a minimum of 10 mcd/m<sup>2</sup>;  
and  
120 minutes after charging ceases, a minimum of 8 mcd/m<sup>2</sup>;  
and  
180 minutes after charging ceases, a minimum of 5 mcd/m<sup>2</sup>.

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**UL 1994 Luminance**

Standard for Luminous Egress Path Marking Systems

Pass Criteria

Passed by Underwriters Laboratory USA

**UL 410 Slip Resistance**

Standard for Slip Resistance for Floor Surface Materials

Pass Criteria

Passed by Underwriters Laboratory USA

**HTC – High Temperature Curing**

PLC (Photoluminescent Lighting Council) Test Method to Determine if a Product can be described as being HTC (High Temperature Cured)

Pass Criteria

The samples shall have no colour change, blistering or distortion.

Anti-slip surfaces must be manufactured using HTC technology.

**F) MANUFACTURER**

Certified Zero Carbon Business Operations.

Certified ISO 9001-2015

At least 25 years manufacturing HTC products