≣ecoglo®

VISIBLY BETTER

Rapid Spec

Ecoglo Photoluminescent Emergency Visibility (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)
Obstacle Markings (non-HTC)
Egress Signage (HTC)
Door Hardware Markings (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.
3 Year Warranty on photoluminescent performance of non-HTC products when positioned indoors.

D) PRODUCTS

Step Edge Markings
High Luminance   - YES
UL1994   - YES
UL410   - YES
HTC   - YES

Product Codes
F15-175 Step Nosing
F14-175 Step Nosing
F9-171 Step Nosing
E14-075 Step Edge Contrast
E2-071 Step Edge Contrast

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

<u>Product Codes</u>
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

<u>Product Codes</u>
G3-001 Guidance Strip
T6-101 Path Marker
T5-101 Path Marker

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

<u>Product Codes</u> - UL-HZ2518 only

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

<u>Product Codes</u>
S5-RM2010
S5-RMUA2010
S5-RMDA2010
S5-RML2010
S5-RMR2010
S5-RMUL2010
S5-RMDL2010
S5-RMUR2010
S5-RMDR2010
S5-ARS1010
S5-ARD1010

Door Hardware Markings
High Luminance   - NO
UL1994   - NO
UL410   - NO
HTC   - YES

<u>Product Codes</u> - S5-DHM1010 Only

E) TESTING NOTES

High Luminance

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^2;
and
90 minutes after charging ceases, a minimum of 10 mcd/m^2;
and
120 minutes after charging ceases, a minimum of 8 mcd/m^2;
and
180 minutes after charging ceases, a minimum of 5 mcd/m^2.

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

High Temperature Curing
Independently tested by placing 3 samples in an oven at 150°C for 20 minutes and then examining the samples after removing from the oven.

Pass Criteria
The samples shall have no shrinkage, delamination, distortion, or yellowing.

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