Everlux®

# Technical Datasheets

## Everlux
## Evacuation Plans and Fire Alarm/Sprinkler Zone Plans

### 1. Product

Everlux® Photoluminescent Evacuation Plans and Fire Alarm/Sprinkler Zone Plans.

### 2. Product Description

Photoluminescent polyvinyl chloride, 5/64'' in thickness, antistatic surface and easy to clean.

### 3. Quality

The quality of Everlux® products is ensured by a rigorous process of quality control with tests in our own laboratory observing all applicable norms.

### 4. Technical Information

- 5/64'' thick polyvinyl chloride
- High photoluminescent luminous intensity
- The material has a good fire resistance and does not help to the propagation of fire, being classified as flame-retardant (in accordance to Norm IEC 60092-101:2002).
- Single sided installation

### 5. Brightness Rating (Luminance Properties)

According to R.S 6.1-A

According to RS 6.1, in stimulation conditions of 21.6 lux (2 ft-c) during 120 minutes with a fluorescent cool white source color temperature 4000K, the Everlux® sign will deliver the following luminance performance:

| Time after removing the exciting light (in minutes) | Luminescent intensity mcd/m$^2$ | |
|---|---|---|
| | Everlux® | R.S 6.1-A |
| 10 minutes | 70 | 30 |
| 60 minutes | 12 | 7 |
| 90 minutes | 7.6 | 5 |

According to ASTM E2073

According to ASTM E2073, in stimulation conditions of 10.8 lux (1 ft-c) during 60 minutes with a fluorescent cool white source color temperature 4000K, the Everlux® sign will deliver the following luminance performance:

| Time after removing the exciting light (in minutes) | Luminescent intensity mcd/m² | |
|---|---|---|
| | Everlux® | ASTM E2073-10 |
| 10 minutes | 30 | 48 |
| 90 minutes | 5 | 5.5 |

## 6. Dimensions, Pictograms and Colours

The products are in conformity to our catalogue and according to the National and International Norms and Legislation.

Sizes:

| (Inch) | |
|---|---|
| Evacuation Plans | 15-(3/4) x 11-(13/26)<br>23-(5/8) x 15- (3/4)<br>35-(7/16) x 23-(5/8)<br>Note: Also available in ANSI paper sizes A,B,C,D |
| Evacuation Plans for Hotels and Nursing Homes | 7(7/8) x 11(13/16) |
| Fire Alarm/Sprinkler Zone Plans: | 15-(3/4) x 11-(13/26)<br>23-(5/8) x 15- (3/4)<br>35-(7/16) x 23-(5/8) |

## 7. Printing

Serigraphy: high quality gloss paint with UV resistance.

## 8. Washability

The sign can easily be cleansed with a dry cloth or with a cloth humidified with water (without detergents).

## 9. Toxicity

The product does not contain any radioactive substances. In toxic terms the product is considered as safe (European standard EN 71-3).

## 10. Warranty

In normal conditions of mounting and adequate cleanness and maintenance, the sign is covered with a 5-year warranty against manufacturing defects.
For outdoor applications, considering exposure to varying temperatures, humidity and other extreme environments, the warranty can be diminished.
On wet environments or environments with the presence of water with strong acid or alkaline content (eg limestone and chlorine the warranty can be diminished.
Additional information on maintenance is available in the complementary document "Instructions for installation".

## 11. Compliance

The Everlux® signs are in compliance with, but not limited to, the following Standards, Codes and Legislation:

- Reference Standard 6-1 and RS 6-1A – Photoluminescent exit path marking – as required by local Law 26 of 2004, New York City Building Code §27-383
- International Building Code 2009
- International Fire Code 2009
- California Building Code
- Connecticut State Building Code
- NFPA 101 Life Safety Code
- NFPA 170 Standard for fire safety and emergency Symbols
- NFPA 5000
- ASTM -E2030 Standard Guide for Recommended Uses of Photoluminescent (Phosphorescent) Safety Markings
- ASTM-E2072 Standard Specification for Photoluminescent (Phosphorescent) Safety Markings
- ASTM-E2073 Standard Test Method for Photopic Luminance of Photoluminescent (Phosphorescent) Markings
- ANSI Z535.1 – Safety Colors
- ANSI Z535.2 – Environmental Facility and Safety Signs
- ANSI Z535.3 – Criteria for Safety Symbols
- ANSI Z535.4 – Product Safety Signs and Labels
- ANSI Z535.5 – Safety Tags and Barricade Tapes (for Temporary Hazards)
- ANSI Z535.6 – Product Safety Information in Product Manuals, Instructions, and Other Collateral Materials
- APTA PR-PS-S-004-99, Rev. 2 Standard for Low-Location Exit Path Marking
- APTA PR-PS-S-002-98, Rev. 3 Standard for Emergency Signage for Egress/Access of Passenger Rail Equipment
- LEED Leadership in Energy and Environmental Design
- National Construction Code Series – Building Code of Australia
- New Zealand Building Code