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Company Profile

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Headquarters: Portugal since 1989, 100 countries.

EVERLUX SIGNS & ERTECNA INC.

1030 Salem Road

Union, NJ 07083

Manufacturer of high intensity luminance photoluminescent safety signs.

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PHOTOLUMINESCENT EXIT SIGN
E479619



LUMINOUS EGRESS-PATH MARKER
SA44498



Canada
Green
Building
Council

Conseil du
Bâtiment
Durable du
Canada



A Complete and Effective Safety Signage System

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Photoluminescent Exit Signs

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NOTICE - MAXIMUM VISIBILITY DISTANCE 50 FEET (15.25 METERS)

EXIT

CAUTION: MINIMUM 5 FOOT-CANDLE EXTERNAL UNFILTERED FLUORESCENT ILLUMINATION MUST BE PRESENT ON THE SIGN FACE AT ALL TIMES OF BUILDING OCCUPANCY.

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Evolution in Canada

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- 1- First study conducted by the National Research Council Canada (NRC) on PLM marking (1996-1999)
- 2- ULC/ORD-C924-02: 2002 Photoluminescent and SelfLuminous Exit Signs
(superseded by CAN/ULC-S572-10)



- 1- Second study conducted by the National Research Council Canada (NRC): a complete safety way guidance system (2006)
- 2- Guide for the Installation of Photoluminescent Exit Stairway Markings in Buildings (2008) made by National Research Council Canada (NRC)
(superseded by CAN/ULC-S590: 2017)



Why?

Limit the probability that electrical circuits for the illumination of exit signs will not operate properly [e.g. due to normal power failure, or will fail or be disconnected due to deficiencies with other non-emergency electrical equipment].

Non operation of the exit signs may result in:

- the exit signs not being illuminated in an emergency situation,
- exit locations not being readily identified,
- delays in the evacuation or movement of persons to a safe place,
- harm to persons.



CAUTION: MINIMUM 1 FOOT-CANDLE (EXTERNAL ILLUMINATION) PLACEMENT PLACEMENT MUST BE PRESENT ON THE SIGNFACE AT ALL TIMES OF BUILDING OCCUPANCY.





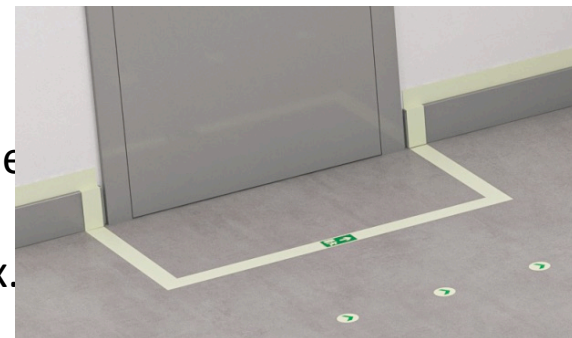
New Canadian guide for Safety Way Guidance System!

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CAN/ULC-S590: 2019 Standard for design, installation, inspection, testing and maintenance of safety way guidance system replaces the “Guide for the Installation of Photoluminescent Exit Stairway Markings in Buildings” (2008) made by government NRC and PWGSC and remind all the signage you have to find in a building.

Some contents:

The minimum width of guidance lines on the floor or wall (with the bottom edge no more than 100 mm above the finished floor) throughout the evacuation routes shall be 25mm min, 50 mm max.



5.1.3.3 Emergency egress / means of egress signs positioned at low location shall be close to the way guidance lines or be incorporated in the guidance line, Wherever practical, emergency egress/means of egress signs located at intermediary level shall be repeated at low location.



5.4.1.1 “All step edges, including single steps, shall be marked across the stair width. “ (25mm min., 50mm max.)





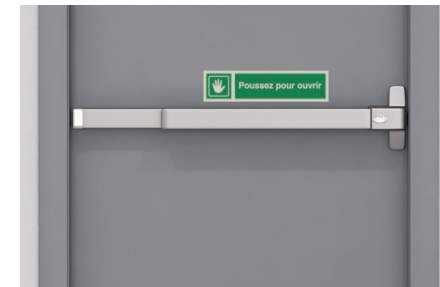
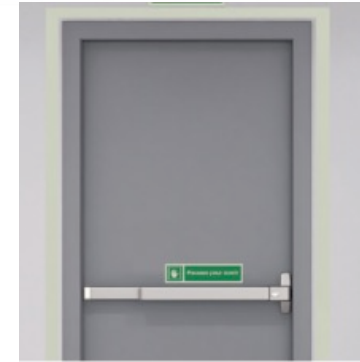
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5.4.2.1 “The door frame of emergency exit doors in the course of emergency egress / emergency means of egress and final emergency exit doors shall be marked” and B2.6.4 “...with a solid and continuous 25 mm to 50 mm wide strip of PLM.”

5.4.2.2 The area of the door opening mechanism and the method and direction of operation shall be clearly identified.

5.4.3.2 Obstacles in emergency egress / emergency means of egress ... shall be marked by the appropriate warning marking in accordance with ISO 3864-1, Graphical Symbols – Safety Colours and Safety Signs – Part 1: Design principles for safety signs in workplaces and public areas B2.5 “...with no less than 25 mm in width...”





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5.1.7.1 2 SWGS in multi-level facilities shall include a luminous floor / level numbering and stair identification signage at or near exit doors.”



5.4.4.1 “Areas intended to be used for the assembly of occupants shall be identified by safety signs in accordance with ISO 7010-E007. Emergency egress / emergency means of egress signs shall lead occupants to a safe egress location..”





The benefits of photoluminescence:

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- Improve safety in buildings that receive a significant amount of people (high-rise buildings, shopping centers, car parks, cinemas, subway stations, train stations, airports ...).
- Promote fast evacuation by a path marking, which is essential in emergency situations or if no natural lighting.
- Promote and facilitate the engagement of fire brigades: access and safety way guidance system.
- Sustainable Development approach/eco-friendly: charge by natural light, low maintenance, long life, easy replacement and recycling ...



Thank you !

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Photoluminescent safety signs



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