

# **GUIDEFORM SPECIFICATIONS**

## ***Marking Means Of Egress by Floor Proximity Path Marking Systems***

Marking the means of egress by a listed and approved floor proximity egress path marking system shall be provided for exit accesses which shall include only designated stairs, aisles, corridors, ramps, escalators, and passageways leading to an exit. Such approved floor proximity egress path marking system shall be internally illuminated and shall be installed within 8 in. (20.3 cm) of the floor. The system shall provide a visible delineation of the path of travel along the designated exit access and shall be essentially continuous, except as interrupted by doorways, hallways, corridors, or other such architectural features.

### **Visibility**

The source of light marking the path of egress shall be of such distinctive color, and design that it is readily visible and shall provide contrast with decorations, interior finish, or other signs. No decorations, furnishings, or equipment that impairs visibility shall be permitted.

### **Performance of System**

The egress path marking system shall be arranged to provide automatic activation in the event of any of the following: (1) Interruption of normal lighting such as any failure of public utility or other outside electrical power supply. (2) Opening of a circuit breaker or fuse. (3) Manual act(s), including accidental opening of a switch controlling normal lighting facilities. Illumination shall be provided for not less than 1 1/2 hours.

Battery-operated emergency lights shall use only reliable types of rechargeable batteries provided with suitable facilities for maintaining them in properly charged condition. Batteries used in such lights or units shall be approved for their intended use and shall comply with NFPA 70, National Electrical Code®.

The egress path marking system shall be either continuously in operation or shall be capable of repeated automatic operation without manual intervention.

### **Design Life**

The Egress Path Marking system shall be designed for a minimum life of 25000 hours of operation with a final brightness of not less than 1 Foot-Lambert or 3.4 candelas/square meter. Shelf life shall be rated for 50 years.

### **Periodic Testing of Egress Marking System**

A functional test shall be conducted on every required emergency lighting system at 30-day intervals for not less than 30 sec. An annual test shall be conducted for a 1-1/2 hour duration. Equipment shall be fully operational for the duration of the test. Written records of visual inspections and tests shall be kept by the owner for inspection by the Authority Having Jurisdiction.

*Exception: Self-testing/self-diagnostic, battery-operated emergency lighting equipment that automatically performs a test of not less than 30 sec. and diagnostic routine not less than once every 30-days and indicates failure by status indicator shall be exempt from the 30-day functional test, provided that a visual inspection is performed at 30-day intervals.*