

# Safe-T-Lume<sup>™</sup> MARKING STRIP

Model(s): EM-DS1

## GENERAL DESCRIPTION



Photoluminescent egress path marking systems are an important life safety requirement in current building codes. These systems allow for the safe and quick evacuation of buildings in the case of an emergency. They provide a routing system that is not dependent on electrical power that can easily be followed in dark and smoke-filled exit pathways.

## Introduction + Safety

Please read the complete instructions carefully before beginning any work. To ensure proper installation and performance of the product, the following actions must be completed by the installing contractor. Failure to do so will affect product warranty.

**GENERAL SAFETY PRECAUTIONS** Improper selection, installation, or use can cause personal injury or property damage. It is solely the responsibility of the user, through its own analysis to select products suitable for their specific application requirements, ensure they are properly maintained, and limit their use to its intended purpose. Follow proper local, state and federal regulations for proper installation and operation requirements.

## Transportation + Storage

- Inspect all shipments and materials for missing or damaged components and hardware.
- Material must be stored in a clean, dry location.

## Preparation

Please read the complete instructions carefully before beginning any work.

- The temperature of the product being installed and the surface it is being installed on must be at least 60 degrees.
- Surfaces must be clean, smooth, and non-porous. Install a sample piece of the strip material for 24 hours on the application surface to ensure that the strip adheres properly before doing a complete project installation.
- Gloves should be used when handling and installing the strip to prevent injury.

## INSTALLATION

The handrail strip shall be placed on the top surface of the handrail for its entire length, this includes extensions and newel post caps. Where handrails or extensions bend or turn corners, the strip must not have a gap of more than 4 inches (*Figure 1*).

- Thoroughly clean the surface area where the strip will be installed with a dry cloth and a non-residue cleaning compound to remove loose particles and dirt. For oily surfaces, isopropyl alcohol works well for surface preparation. Surfaces must be dry and dust free.
- Measure the handrail to determine the proper length of the strip and then cut with scissors. The ends of the strip that will be a starting or ending segment need to be lightly beveled with a file to create a smooth transfer from the strip to the railing.
- Peel a portion of the backing from the handrail strip without touching the adhesive.
- Place the strip at your starting point on the railing and firmly press onto the handrail. Peel more backing from the adhesive strip as you go. Make sure the strip is straight and properly centered along the top length of the handrail. Be sure that the strip has full contact with the railing, this may involve using a rubber roller to ensure proper adhesion.

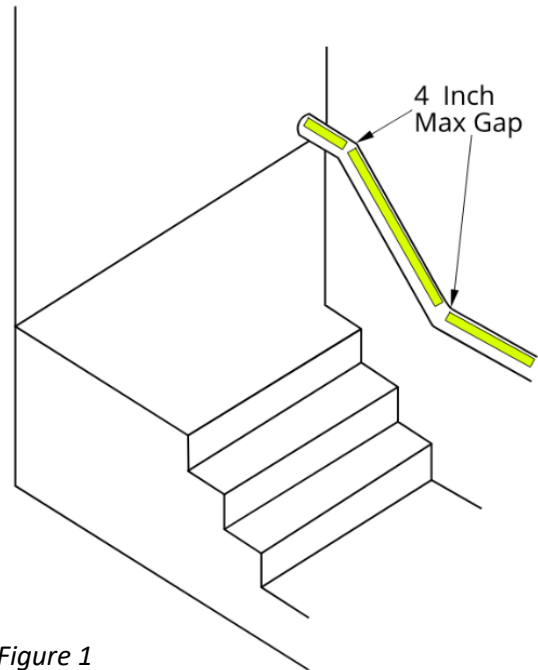


Figure 1

## OPERATION

- Exposure Requirements: The minimum amount of exposure to artificial ambient illumination is 60 minutes from the following:
  - One-foot candle (11 Lux) of florescent, incandescent, or LED light
- The control of the ambient illumination necessary to charge the luminous egress-path-marking system should be restricted to authorized personnel only.
- Failure to supply the above minimum exposure can prevent the luminous egress-path-marking from performing as intended.

- No specific building surface treatment is required for the luminous egress-path-marking system to function properly.
- Reliable external illumination is always required during building occupancy.

### **MAINTENANCE**

- Maintain by cleaning as needed to prevent dirt, etc. from inhibiting the performance of the photoluminescent properties.
- The strip may be cleaned by using a damp cloth with mild, non-abrasive cleaners. Do not use highly alkaline or acidic cleaners. Rinse after applying cleaners and wipe with a clean cotton cloth to dry.

### **Questions?**

For more information on installation, repair, or replacement, please visit [www.nystrom.com](http://www.nystrom.com)