Safe-T-Lume™ Exit Signs

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INSTALLATION, OPERATION + MAINTENANCE MANUAL

Model(s): EM-SE100

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**Note**

The information in this document is subject to change without notice.

**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.

## 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.

The following is a general instruction for installing, operating and maintaining egress path marking systems. These are general guidelines only.

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**Preparation**

## Installation

Please read the complete instructions carefully before beginning any work.

* These signs are for interior use only and are suitable for a temperature range of +50 to 100 degrees Fahrenheit.

* These signs are rated for a visibility of 100 feet when activated by a minimum five (5) foot-candle light source and can be used in both high-level and low-level applications.

*Note:*

* *When installing into drywall or concrete block, use expansion sets to ensure a firm grip.*
* *It is prudent to confirm that the mounting bracket (6) location on the wall or ceiling is appropriate (i.e. provides adequate clearances between assembled exit sign and other objects, such as walls, ceiling, or swinging doors) by holding the assembled exit sign in the mounting bracket (6) and holding the bracket in the desired location on the wall or ceiling. All clearances should then be confirmed as acceptable prior to the mounting bracket being fixed to the wall or ceiling.*
* *After installation is complete, the visibility of the sign from all potential viewing angles and distances should be confirmed.*

**Parts**

Included in your sign kit will be the following parts:

|  |  |  |  |
| --- | --- | --- | --- |
| **Part** | **Part Description** | **One-Sided Sign** | **Two-Sided Sign** |
| 1 | Exit Face Plate | 1 | 2 |
| 2 | Back Plate | 1 | N/A |
| 3 | Chevron (2 per bag) | 1 | 2 |
| 4 | Filler (3 per bag) | 1 | 1 |
| 5 | Mounting Bracket | 1 | 1 |
| 6 | Photoluminescent Panel | 1 | 2 |
| 7 | Fasteners for Mounting (screws and anchors) | 1 | 1 |
| 8 | Box | 1 | 1 |
| 9 | Instruction Sheet | 1 | 1 |

**One-Sided Wall Mount
Installation**

## Installation

The photoluminescent exit sign shall be placed above doors through which occupants must pass to complete the exit path.

1. Mark pilot hole locations on wall using mounting holes in the back plate (4).
2. Drill pilot holes in wall surface.
3. Level and mount back plate to wall using mounting hardware (4).
4. Insert frame screws (4) through mounting holes into pilot holes in wall and tighten.
5. Snap exit face plate to back plate.
6. Attach plastic filler strips (top and sides).
7. Apply right and/or left chevrons (arrows) to face of sign.

**Projection Wall Mount – One or Two-Sided
Installation**

The photoluminescent exit sign shall be placed above doors through which occupants must pass to complete the exit path.

1. Mark pilot hole locations on wall using mounting holes in mounting bracket (2).
2. Drill pilot holes in wall surface.
3. Level and mount bracket to wall using mounting hardware (2).
4. Snap exit face plate to back plate.
5. Attach side of exit sign into mounting bracket
6. Attach plastic filler strips (top and side).
7. Apply right and/or left chevrons (arrows) to face of sign.

**Projection Ceiling Mount – One or Two-Sided
Installation**

## Installation

The photoluminescent exit sign shall be placed above doors through which occupants must pass to complete the exit path.

1. Mark pilot hole locations on ceiling using mounting holes in mounting bracket (2).
2. Drill pilot holes in ceiling surface.
3. Level and mount bracket to ceiling using mounting hardware (2).
4. Slide and snap exit face plate to back plate.
5. Attach top of exit sign into mounting bracket.
6. Attach plastic filler strips (sides).
7. Apply right and/or left chevrons (arrows) to face of sign.

## Operation

* Exposure Requirements: The minimum amount of exposure to artificial ambient illumination is 60 minutes from the following:
	+ - Five-foot candle (54 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 required at all times* during building occupancy.

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

## Maintenance

Nystrom warrants all Luminous Egress Products to be free from manufacturing defects in materials, factory finishes and workmanship from the ***date of shipment*** for a period of:

## Standard Warranty

**1 Year**

Should a product fail to function in normal use within this period, Nystrom shall furnish a replacement or new part at Nystrom’s discretion.

Failure to use product in methods consistent with Nystrom product manuals shall relieve Nystrom of any liability.

Our liability under this warranty excludes installation or removal costs involved in the product replacement and excludes any responsibility for incidental or consequential damage of any nature.

**Customer Actions for Claims on Product During Warranty Period**

1. Contact the Customer Service Department, Nystrom, Minneapolis, MN, Telephone: 763.488.9200, to obtain a Return Material Authorization (RMA) number.
2. You will be sent an “RMA” that is required to be filled out and returned with the shipment.
3. The following information must appear on the outside of the package:
	* RMA number marked on the outside of box
4. Return defective product FREIGHT PREPAID. Collect shipments will be refused.
5. The factory will not process warranty claims until the customer has properly accomplished the above items.
6. Nystrom may accept the entire claim; part or none of the claim if our inspection of the returned parts proves the failure was for reasons other than defective material or factory workmanship.

**Important Notes**

1. Nystrom will not be responsible for damage incurred during the return shipment.
2. All returns subject to inspection and a $50 evaluation fee
3. This RMA is not authorization for credit. Credits and/or replacements will be issued upon evaluation of returned product.
4. RMA is valid for thirty (30) days from issue date.

## Factory Assistance

Nystrom engineers and manufactures luminous egress products for worldwide customers. Our products enable safe exiting in egress stairways. Recognized as an industry leader, Nystrom has been relied upon by building and construction professions for over 70 years and we pride ourselves in offering exceptional technical support.

Please do not return any product before discussing your application problem with a Nystrom representative and obtaining a Return Authorization.

Your Nystrom representative is eager to help you. Please feel free to call your representative or contact Nystrom to discuss your application.

Nystrom

9300 73rd Avenue North

Minneapolis, MN 55428

Phone: 800.547.2635

Fax: 800.317.8770

Email: info@nystrom.com

