

Last updated: November 2009
 Last reviewed: November 2009

Volume G - Building Design And Maintenance Article 32

Exit Signs, Self-Luminous

- [Company Policy](#)
- [Standards](#)
- [Features](#)
- [Acquisition](#)
- [Location](#)
- [Disposal](#)
- [Clean-Up Procedures](#)
- [Installation](#)
- [Corresponding Work Tasks](#)

Company Policy

State Farm will no longer purchase self-luminous signs. All self-luminous exit signs must be inventoried and at the end of their service life, returned to SRB Technologies as indicated in this article.

- Do not throw self-luminous exit signs in the trash.
- Do not send to anyone except SRB Technologies as outlined in the "[Standards](#)" section.

The following electric Exit signs are a recommended option:

Exit Sign Dual-Lite # LXURW, 120 or 277 volt operation white with red letters, single or double sided, LED lamps, no battery.

For buildings without an emergency generator (service centers):

Exit Sign Dual-Lite # LXURWEI, 120 or 277 volt operation white with red letters, single or double sided, LED lamps, spectron self-testing electronics, with battery.

PM Standard Work Tasks	
Pattern Name	Frequency
1. Self-Illuminated Exit Signs	Annually

[▲top](#)

Standards

- [New Standard](#)
- [Previous Standard](#)

New Standard

- See the "[Emergency And Exit Lighting](#)" article.

Previous Standard

Self-Luminous exit signs still in use must meet the following:

Item number:	Single red face: K38981 Double red face: K38980
Item name:	Brandhurst Luminexit self-luminous exit sign
Sign dimensions:	15 1/4-inch length, 8 1/4-inch height, 1.1 inch thick
Letter dimensions:	6-inch high, 3/4-inch stroke, 1/8-inch white border
Manufacturer:	SRB Technologies, Inc. P.O. Box 25267 2580 Landmark Drive Winston-Salem, NC 27114-5267 Phone: (800) 552-0098 Phone: (336) 659-2610 Fax: (336) 768-7720
Extended mount bracket (EMB):	53-290
Illumination source:	Betalight™ tubes manufactured from borosilicate glass, internally coated with zinc sulfide phosphor, and filled with tritium gas.

[▲top](#)

Features

1. No electricity or batteries
2. No wiring
3. Continuous, high visibility, 20-year useful life
4. U.L. listed
5. End and ceiling mount brackets standard
6. National Fire Protection Association (NFPA) Life Safety Code 101 compliant
7. Meets standards set by the following:

Building Officials And Code Administrators (BOCA)

Southern Building Code Congress International (SBCCI)

International Code Council (ICC)

Occupational Safety And Health Administration (OSHA)

Uniform Building Code (UBC)

Nuclear Regulatory Commission (NRC)

8. Product approved by NRC
9. Explosion proof
10. Waterproof
11. Shock resistant
12. Vandal resistant
13. Universal arrow (any arrow direction with 1 unit optional)
14. High-impact, corrosion resistant, durable ABS housing with acrylic face, polycarbonate face optional
15. Letters outlined in white for enhanced legibility
16. Anodized aluminum frame

[▲top](#)

Acquisition

Self-luminous Exit signs are no longer to be ordered.

Important

All Luminexit signs must be installed at the address they are shipped. Due to NRC regulations, State Farm needs to accurately list the location for each sign. All signs must be tracked by serial number located on the edge of its exterior frame (a second serial number is applied to the edge of the face plate which cannot be seen unless removed from the frame). Serial numbers are also listed on the box in which the sign is shipped.

SRB Technologies keeps records of ship-to locations and serial numbers for each sign. If a change needs to be made, a sign is installed elsewhere, or removed and placed in stock at a different facility:

- Notify Corporate Headquarters Administrative Services - Purchasing and Distribution by memo.

The changes are sent to SRBT and records updated on the location of each sign. Corporate and SRBT work together to maintain accurate records.

[▲top](#)

Location

In locations required to have more than 1 exit or exit access:

- Indicate all required means of egress with approved, internally-lit signs reading *Exit*.
- Make sure signs are visible from the exit access.
 - Supplement using directional signs in the exit access corridors indicating the direction and way of egress.
- Locate *Exit* signs at exit doors or access areas, so they are readily visible.
- Contact local city code official before placement.

[▲top](#)

Disposal

Note: Always notify Corporate Headquarters Administrative Services - Purchasing and Distribution when:

A building is to be sold or demolished and exit signs are to be relocated.

If the sign is removed or replaced.

If ownership of a sign is transferred with the sale of a building.

Self-illuminating tritium lights must be returned to SRBT for proper disposal.

Read the Return Goods Authorization form and follow all directions: SSRBT requires:

Payment of recycling fees to be made in advance either by check or credit card.

The customer to pay for all freight charges for exit signs being returned for recycling.

All mounting screws and brackets are removed from signs prior to return. **An additional fee of \$50 per sign is charged for each sign returned with screws and/or mounting brackets still attached.**

All hardware for double-faced signs should be removed allowing them to be shipped as 2 separate signs.

- Obtain the necessary information required to properly fill out the SRBT [Return Goods Authorization form](#) (RGA).
- Include a copy of the [material safety data sheet](#) (MSDS).
- Include the UN number (**UN2911**) which must be visible on the outside of the shipping carton on 2 different sides.

The HS number (**HS9405.00**) must be visible on the outside of the shipping carton on 2 different sides.

Shipping of these self-luminous exit lights to SRBT in Canada for disposal does not create additional requirements.

At the end of the light's life expectancy (20 years), SRBT notifies Corporate Headquarters, by serial number, to return the specific sign.

[▲top](#)

Clean-Up Procedures

Environmental tests show the Luminexit self-luminous exit sign resists breakage. However, if a sign breaks or becomes inoperative, it is not dangerous.

- Remove and dispose of the broken sign properly using the following procedure:
 - **Contact the proper regulatory body (either NRC or the applicable Agreement State regulator) within 24 hours if it appears the damage to the sign has released tritium to report the damaged sign.**

If the damaged sign occurred in a particular Agreement State, contact them; if not, contact NRC.

Note: To get the latest listing of Agreement State regulators, visit the [NRC](#) web site.

- **Contact Corporate Loss Prevention with any questions.**

- Contact Corporate Loss Prevention to obtain a health physics professional who can positively identify areas of contamination and properly decontaminate them when a damaged sign is located and contamination is suspected.

This professional can also test personnel for possible exposure and provide a report of the results. **This is important since both NRC and the States regulate the amount of exposure a member of the public can receive annually.**

The following is a list of health physics professionals:

[Conference of Radiation Control Program Director
Health Physics Society](#)

- Telephone SRB Technologies, Inc. (800) 552-0098 to report the condition of the sign.
- Remove the damaged or inoperative sign from the wall using disposable gloves **if it appears the damaged sign did not release the tritium.**
- Place the sign and disposable gloves in a plastic bag; seal the bag; and place in a shipping box.
- Follow instructions from SRB Technologies in regard to shipping the sign.
- Use detergent and water to wash the wall where the sign was mounted.
- Wash hands thoroughly after cleaning up.
- **Contact Corporate Loss Prevention.**

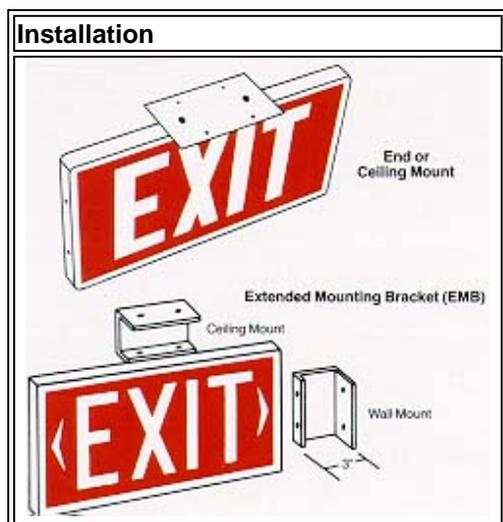
[▲top](#)

Installation

- [Surface Mount](#)
- [Flag or Ceiling Mount](#)

A standard universal mounting bracket is included with each sign for end or ceiling installation. An extended bracket for ceiling and end mounting is available.

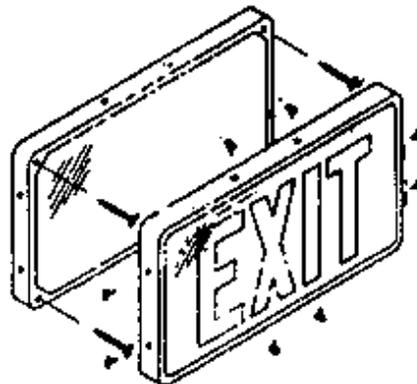
- Specify extended mount bracket (EMB).



Surface Mount

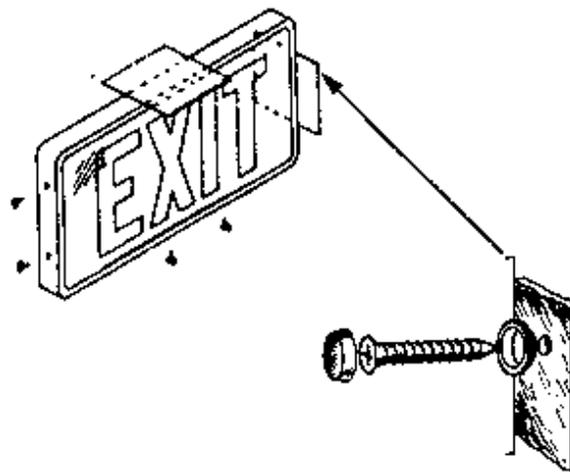
- Remove cover and legend sheet from module.
- Select arrow direction by removing self-adhesive arrow covers.
 - Replace legend in cover.
- Use the module as a template to mark or spot drill the 4 corner holes onto the mounting surface.
 - Remove the sign.
- Drill mounting holes. (Some mounting surfaces may require expansion anchors.)
 - Place sign in position securing with 4 Phillips-head wood screws, provided.
- Place cover/legend assembly over module and fasten with push pins on sign edges.

Note: Cover caps and sheet metal screws are not required for flush mounting.



Flag or Ceiling Mount

- Remove cover and legend sheet from module.
- Select arrow direction by removing self-adhesive arrow covers.
 - Replace legend in cover.
 - Place legend/cover assembly over module.
- Attach mounting plate to top or edge of sign using slot head sheet metal screws.
- Insert push pins into remaining holes on sign edges.
- Place sign into position and mark screw holes.
- Drill screw holes (some mounting surfaces may require expansion anchors).
- Fasten sign/mounting plate using 2 Phillips-head wood screws, collars, and cover caps provided.



[▲top](#)

Corresponding Work Tasks

MWE-01Y-Exit Light (Self Illuminated)Task Number: 01 **01Y-Exit Light (Self Illuminated) Inspection**

- 01 Inspect for damage.
- 02 Clean if needed.
- 03 Verify sight lines (not to exceed 100 feet).
- 04 Confirm serial numbers.
- 05 Verify arrow direction and location.
- 06 Verify proper mounting.
- 07 Verify luminescence.
- 08 Verify manufacture date.
- 09 If manufacture date is near or past 20 years, replace with an electric sign.

[▲top](#)