

PL-924 Series Photoluminescent Exit Sign

Legible viewing distance 75 feet

General Information

The Merit Lighting Permex PL-924 series emergency exit sign is a remarkable advancement in both life safety and cost savings technology.

The PL-924 produces high quality illumination without the need for electrical wiring, without dependence on batteries or charger systems, and without the need for lamp or battery replacement. The PL-924 is totally maintenance and operating cost free. In addition, the PL-924 contains no toxic or hazardous materials.

While maintaining high aesthetic standards, the PL-924 is the most economical choice. It is less expensive than the tritium option, and costs less than the labor and materials to install any electrical option. The PL-924 is charged with as little as 5 foot-candles of ambient light. By way of reference, most occupancies using fluorescent lighting systems would typically have 2 to 4 times that amount on walls above doorways. A local representative can help you make that evaluation.



Photoluminescent emergency signage and markings have been used in low-level applications since the early 1990s. Until the development of new strontium oxide aluminate technology in the mid 90s, photoluminescent technology was not recognized as viable in “above door” UL 924 applications. This changed in 2000 with recognition in NFPA 101 - Life Safety Code. In July, 2001 Underwriters Laboratories (UL) published UL Standard 924 Supplement SG Photoluminescent Exit Signs. This Standard details stringent performance, durability and legibility criteria, and test procedures that a photoluminescent exit sign must meet to be certified in conformance with UL Standard 924.

The Merit Lighting PL-924 Series is tested and listed to be in conformance to UL Standard 924 – Emergency Lighting and Power Equipment, 9th Ed. 02/24/2006.

Specifications

General

- Legend lighted characters, 7” high x 7/8” stroke.
- Self-illuminating legend, requiring no wiring or batteries.
- Impact-resistant/corrosion proof.

Dimensions

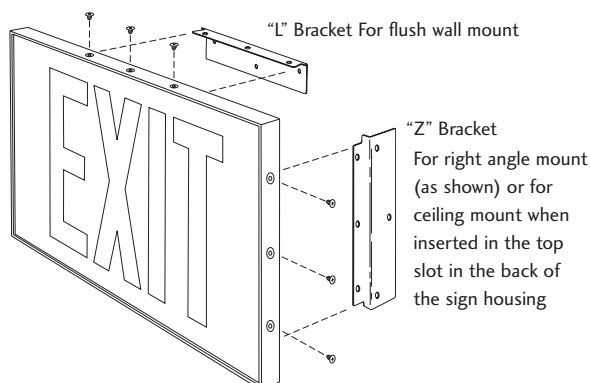
- 14^{15/16}” x 9” x 3/4”

Construction

- Housing: molded ABS.
- Faceplate: Stencil cut, legend lighted, non reflective matte surface.

Luminance

- Luminous color green, yellow green (520nm). Wavelength at peak of human eye spectral luminance efficiency curve in scotopic (dark) viewing environments.



Legibility

- Viewing distance UL 924 rated at 75 feet

Arrows

- Universal arrows are standard.

Mounting

- Back, ceiling and right angle mounting hardware is standard.
- Door mullion pedestal mount is available on request.
- This sign must be mounted in the presence of unfiltered fluorescent light sufficient to provide a minimum of 5 foot-candles on the sign face at all times of building occupancy.

Architectural Specification

- Exit signs shall be Merit Lighting PL-924-75 series. Both directional arrows and mounting systems shall be universal. Surface mounting brackets shall be totally concealed. Rated viewing distance shall be 75 foot minimum. All non-illuminated surfaces shall have a non-reflective, matte surface.

ORDERING INFORMATION

Face Color	Universal Arrow	No Arrow
Red	PL-924-R-75-U	PL-924-R-75-N
Green	PL-924-G-75-U	PL-924-G-75-N
Black	PL-924-B-75-U	PL-924-B-75-N

- For DOUBLE FACE add suffix “DF” to above numbers
- Standard housing color is black. WHITE and GRAY are also available, please inquire.
- Pedestal mounting is available. Add suffix “PD”.