



## Code Compliance & How to Choose an EXIT Sign

- Lifespan - Our Signs are designed to outlast your building
- Viewing distance
- Cost - our signs are non-electric meaning they require no cables or running costs
- Maintenance - Our signs do not require batteries, nor require any maintenance
- Regulations - Our signs are code-compliant, and meet the OSHA standard at 1910.37(q)(6), NFPA standards, and is UL924 listed
- Installation - Our signs are the simplest of all to install as they are non-electric and non-mechanical

## Advantages of Non-Electric EXIT Signs

Aluminum Non-Electric Photoluminescent EXIT Signs are the gold standard.

- Zero maintenance
- Lowest installation cost
- Lowest overall cost with no wiring or power required
- Very, long lifespan, expected over 25-years.
- Zero disposal fees
- No running costs of electricity
- Failsafe in an emergency

## How Do Photoluminescent Exit Signs Work?

Photoluminescent exit signs do not require AC or electrical power. There is no battery or on/off switch. They require 54 lux or 5-foot candles of mercury vapor, metal halide, fluorescent lighting, or LED Lighting to charge them in which makes them illuminate. The term 54 lux or 5-foot candles is the required minimum amount of light to charge to insure a proper charge. The average office building has no problem meeting this requirement. In this charging process photons are excited and then brought back to a lower state. The photons then will be absorbed by a substance via electromagnetic radiation, which will take these to a high energy state and then moved to a state of lower energy. The **photoluminescent exit sign** will be fully charged in 60 minutes. They stay at their peak illuminate for a minimum of 90-minutes however it can take about 16-96 hours in darkness to fully discharge. Available in 50', 75' and industry leading 100' viewing distances.



## **NON-ELECTRICAL EXIT SIGNS**

Non powered exit signs do not require electricity. There are two types, both of which glow in the dark. All models listed on our website are UL 924 Listed for the United States and Canada. They can be used in place of traditional electrical exit signs and are guaranteed to be building and fire code compliant, meeting the OSHA standard at 1910.37(q)(6) that requires the signs be illuminated with a reliable light source giving a value of 5 footcandles on the illuminated surface, and NFPA requirements of delivery at least 90-minutes of illumination at the sign rated distance following a power failure.

The first type of non-illuminated sign, photoluminescent, absorbs light and then glows in dark environments, such is the case when AC power is lost, and a building's lighting system fails. Photoluminescent exit signs are suitable for indoor commercial applications where the lights are normally on when the building is occupied. They are popular for apartments, offices, schools, hospitals, and other similar applications.

The second type, self-luminous, use a glowing form of hydrogen gas, known as tritium, to constantly illuminate. There is absolutely no power source needed (including light) for self-luminous exit signs to operate. Self-luminous exit signs are completely universal, they can be placed indoors or outdoors. In the case of applications where light is not available all the time or the sign is being placed outdoors, choose a self-luminous exit sign.

## **WHAT COLOR EXIT SIGN SHOULD I USE?**

Exit sign color depends on the municipality. Check with your local fire marshal. He or she will let you know the correct color for your area.

## **WHAT ARE THE LIGHTING REQUIREMENTS FOR AN EXIT SIGN?**

Exit signs must be illuminated to a surface value of at least five foot-candles. A reliable light source must illuminate them, and the exit signs' colors must be easy to distinguish.

## **WHERE SHOULD EXIT SIGNS BE SITUATED?**

Exit signs should be placed at exit points, where the direction to the nearest exit isn't clear, or where a local fire marshal has directed them to be placed. Follow the guidance of the building codes dictated in the state or locality.