



LEED CERTIFICATION STATEMENT

EverGlow (non-electrical) Photoluminescent Emergency Lighting can help your project meet LEED v4 Certification for Building Design and Construction by accumulating points in the following areas.

- **EA Credit, Option 1** – Energy and Atmosphere - Optimize Energy Performance.
The LEED guidelines require the use of ever more energy efficient lighting sources – both general lighting and emergency lighting. Generally, this requires the use of LED lighting technologies. If EverGlow Photoluminescent Emergency Lighting – EXIT Signs and EGRESS PATH Markings – are used in spaces with appropriate and sufficient LED lighting, additional energy savings are possible.
 - **EverGlow Photoluminescent EXIT Signs** use ZERO energy during operation. EXIT Signs are required to be continuously illuminated in most jurisdictions in the US. Photoluminescent EXIT Signs should be installed only where allowed by applicable building and fire codes and installed in spaces with appropriate and sufficient lighting to properly charge Photoluminescent EXIT Signs – hotels, factories, warehouses, apartment buildings, hospitals, retail stores and other locations where interior lighting operates 24/7 (continuously). Appropriate and sufficient lighting, for use with Photoluminescent EXIT Signs, is defined as that continuous illumination source(s) which provides a minimum of 5 ft-c of illumination on the sign face and emits sufficient energy in the visible blue and/or UV regions of the electromagnetic spectrum that can be absorbed and stored by the photoluminescent pigments in the sign.
 - EverGlow EXIT Signs were, prior to 2008, qualified and listed by ENERGY STAR. In 2008, ENERGY STAR stopped listing qualified electrical and non-electrical exit signs.
 - EverGlow EXIT Signs save electrical energy equivalent to that which would have been consumed by each (electrical) LED exit sign they replace. ENERGY STAR estimated 44 kWh annual consumption and required labeled exit signs to use less than 5 watts of electrical power prior to 2008.
 - Each Photoluminescent EXIT Sign installed instead of an (electrical) LED exit sign will save approximately 72 pounds of CO2 pollution each year, according to ENERGY STAR prior to 2008.
 - EverGlow Photoluminescent EXIT Signs, installed inside buildings and out of the weather, are expected to last at least 25 years and may last the life of the building in which they are installed. Maintenance of EverGlow EXIT Signs is as simple as cleaning the sign face with a damp towel as necessary. LED (electrical) exit signs are designed to last 5 – 10 years before replacement. They will require replacement of the battery during that time; they may require replacement of other components of the power supply, charging circuit or LEDs during that same period.
 - **EverGlow Photoluminescent EGRESS PATH Markings** use ZERO energy during operation. EGRESS PATH Markings are required to be illuminated only during periods when that part of the building served by the specific egress path is occupied. Photoluminescent EGRESS PATH Markings should be installed only where allowed by applicable building and fire codes and installed in spaces with appropriate and sufficient lighting to properly charge Photoluminescent EGRESS



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PATH Markings. Appropriate and sufficient lighting, for use with Photoluminescent EGRESS PATH Markings, is defined as that illumination source(s) which provides a minimum of 1 ft-c of illumination on the face of the sign or marker and emits sufficient energy in the visible blue and/or UV regions of the electromagnetic spectrum that can be absorbed and stored by the photoluminescent pigments in the sign.

- The illumination required to properly charge Photoluminescent EGRESS PATH Markings, 1 ft-c, is the same code required minimum illumination required to be provided in the means of egress, measured at all points on the walking surface.
 - Many building and fire codes require installation of (non-electrical) Luminous EGRESS PATH Markings in the exit stairs of high rise buildings. Still other jurisdictions require the installation of (non-electrical) Luminous EGRESS PATH Markings in the exit access corridor and exits of other buildings. These requirements are in addition to, not a replacement for, electrical emergency lighting.
 - Where (non-electrical) Photoluminescent EGRESS PATH Markings are installed, general purpose electrical lighting is generally activated 60 minutes before the building is expected to be occupied.
- **MR Credit, Option 4 – Materials and Resources – Building Life-Cycle Impact Reduction, Whole-Building Life-Cycle Assessment.**
 - **EverGlow Aluminum Signs and Markings**
 - Constructed with a minimum 60% recycled aluminum. Aluminum is easily and routinely recycled. Any trimmed or scrap material can be recycled.
 - Expected lifetime of 25 years, up to the life of the building, if installed inside, out of the weather and not installed on the walking surface. These are permanently installed products unless installed on the walking surface.
 - Use of EverGlow Aluminum Signs and Markings does not contribute to the production of CO₂ or other greenhouse gases or depletion of ozone.
 - **IN Credit, Option 1 – Innovation. Unique Performance of (non-electrical) Photoluminescent Signs & Markings.**

EverGlow Code Approved EXIT Signs and EGRESS PATH Signs & Markings, Safety Equipment Signs and Custom Signs & Markings are considered (non-electrical) emergency lighting by the building codes.

 - Consume ZERO electricity.
 - Can be expected to last 25 years or longer, if installed inside, out of the weather and not installed on the walking surface.
 - Require minimal maintenance, no replacement lamps, LEDs or batteries.
 - Can be used to replace electrical EXIT Signs or supplement electrical emergency lighting.



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Obtain LEED Certification

To earn LEED certification, your building project must meet the requirements for the environmental integrity appropriate for the LEED version required in the jurisdiction where the building is located and the desired certification level. These performance parameters include:

- Sustainable site development, location and transportation
- Water efficiency
- Energy efficiency
- Indoor environmental quality
- Materials and resources

LEED Certification Steps

We recommend reviewing the requirements for certification and developing a strategy for the specific LEED version appropriate for this project.

- Register your project. This signifies your intent to pursue LEED certification for your building project.
- Apply for LEED certification, completing the application and paying the review fee.
- Review by GBCI – Green Building Council Initiative, US Green Building Council. This can consist of the Preliminary, Final and Appeal Reviews.
- Certification.

LEED Certification Levels

- Certified 40 – 49 points earned
- Silver 50 – 59 points earned
- Gold 60 – 79 points earned
- Platinum 80+ points earned

References (you may need to register to use this website)

- US Green Building Council - <http://www.usgbc.org>
- USGBC – LEED - <http://www.usgbc.org/leed>
- USGBC – Guide to LEED Certification: Commercial - <http://www.usgbc.org/cert-guide/commercial>
- USGBC – LEED v4 for Building Design & Construction (pdf) - <http://www.usgbc.org/resources/leed-v4-building-design-and-construction-current-version>