

FORCE PROTECTION



CONTINUITY OF OPERATIONS PLANNING



CRITICAL INFRASTRUCTURE AND PERSONNEL PROTECTION



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Always Ready
in an
Emergency



Background

The industry press has credited photoluminescent (PL) pathway markings installed in the World Trade Center after the 1993 terrorist attack with significantly improving evacuation time on 9/11 — saving lives.

The Problem

Terrorist strikes against commercial targets, embassies, and other government buildings have exposed weaknesses in widely-used safety systems, and have forced officials to consider new approaches to saving lives during the chaos of terror attacks and other emergencies.

Tragic Lessons Learned

- **Fact:** Even today, most commercial buildings across the U.S. still have insufficient emergency lighting, even though they meet the latest local fire codes.
- **Fact:** Illuminated EXIT signs located near ceiling level are likely to be obscured in a smoky fire.
- **Fact:** Improper or deferred maintenance of electrical emergency lights PLUS inadequate oversight EQUALS less than 100% reliability in current systems.
- **Fact:** Primary and backup electrical systems can fail completely in an emergency due to significant damage, excessive heat, or water, and in many cases, firefighters turn off emergency power before entering a structure to prevent electrocution.
- **Fact:** When emergency exit systems fail, the resulting confusion, disorientation and panic COSTS LIVES.

Federal and Commercial PL Installations Today—a Growing Mandate

In November 2004, The Pentagon awarded a \$6.5M contract to DHI to install PL exit path markings. AfterGlow LLC is DHI's supplier for those materials. In addition, DHI has installed city-approved PL materials in the stairwells of over 100 Class E office buildings in New York City, fulfilling the safety mandate specified in Local Law 26. AfterGlow LLC supplies those materials as well. The 2009 versions of the International Building Code (IBC) and International Fire Code (IFC) now require PL exiting path markings. The IBC and IFC are commonly used as the basis for local, county and state codes when they are updated every two or three years.

Photoluminescent Low Location Exit Path Marking Systems (LLEPM)

AfterGlow LLC is now supplying revolutionary, high-performance, PL LLEPM systems for Federal and commercial buildings that meet today's revised codes for top-quality exit-path marking systems that clearly show evacuation routes and guide emergency response teams.

Why LLEPM?

- No external power source required
- Activated by ambient lighting
- Fully charges and recharges in minutes
- Can be recharged over and over
- Nonradioactive and nonhazardous
- Extremely bright — visible to dark-adapted eyes
- Extremely durable
- Maintenance free — savings in money and time
- Very long service life — 20+ years
- 100% reliable
- Even works when damaged



Post 9/11: Part of the Solution



LLEPM and Your Building

- LLEPM installations are lifesavers in:
 1. **Stairwells.** Everyone above or below the ground floor must evacuate through stairwells.
 2. **Corridors.** People evacuating offices, public areas, and conference rooms must travel through corridors to access stairwell exits.
 3. **Group Offices and Public Areas.** Large, open spaces are often subdivided by cubicles and furniture systems. In an emergency, when lighting fails, these can suddenly be transformed into mazes and dead ends.
 4. **Common Areas.** Conference rooms, basements, storage space, and other areas dependent on powered safety systems are inherently vulnerable to electrical failure.
 5. **Equipment Spaces.** Emergency responders, including firefighters and rescue crews, must be able to quickly identify and locate power sources, supply centers, pipe-ways, shut-off valves, and emergency exits.
- In some jurisdictions, photoluminescent LLEPM systems are code optional; therefore there is flexibility regarding installation.

AfterGlow LLC — Your Number One Choice for Photoluminescent Safety Solutions

- Custom-tailored exit-marking system design
- Highly accurate cost estimation
- Top-quality materials appropriate to each job
- Specialized, experienced installers