

LEDs provide a low-maintenance lighting option for reduced cost of ownership

Thanks to technology developments, the light-emitting diode (LED) is becoming a preferred emergency lighting solution. LED lamps have two main advantages over incandescent lamps: LEDs provide more light, and consume less energy. This means that the emergency lighting plan can leave an extremely wide space between units and be code compliant. Fewer lighting units are needed, and smaller batteries are required to achieve the same amount of illumination, so all associated installation and maintenance costs are reduced.

Compare

Where the building code requires an average of 1 foot-candle and a minimum of 0.1 foot-candle at floor level along the path of egress on a 150' x 9' x 9' corridor with an egress door at one end, a 150' x 6' path of egress, and a 7.5' unit mounting height;

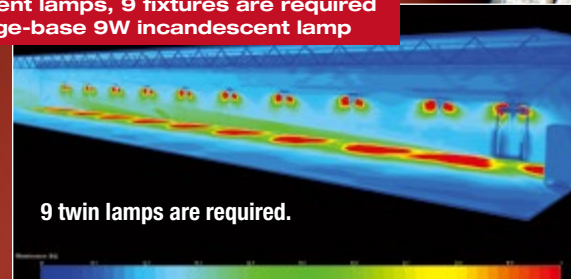
- **Standard Emergency Lighting Units with 9W wedge-base incandescent lamps requires a total of 10 double-head units or remotes**
- **Same Standard Emergency Lighting Units with 4W MR16 LED lamps requires a total of 5 double-head units or remotes**

With LEDs, fewer fixtures do the job

The advantages of LED lamps result in multiple cost savings over the lifetime of the emergency lighting system:

- **Reduced installation costs, due to fewer units needed and less labor to install them**
- **Reduced energy costs, due to smaller batteries that require less power to stay charged at full capacity and be ready to respond to an emergency situation at any time**
- **Reduced maintenance and testing costs, due to fewer units required**
- **Reduced lamp replacement costs, since LED lamps have a 30,000+ hour lamp life compared to only a few hundred hours for typical incandescent lamps**
- **Reduced environmental impact, due to fewer units needed with less product materials, less batteries, less transportation, less packaging, less labor, and less waste**
- **Lightalarms® offers a wide selection of LED lamps to meet the majority of emergency lighting requirements**

**Using incandescent lamps, 9 fixtures are required
Standard wedge-base 9W incandescent lamp**



**With LED lamps, only 5 fixtures are needed
4W MR16 LED lamps**

