

# High output MR16 LED

## Emergency lighting


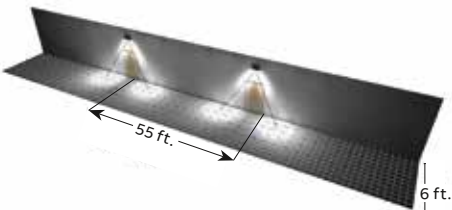

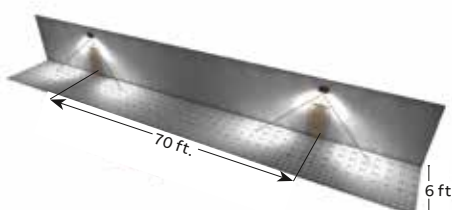

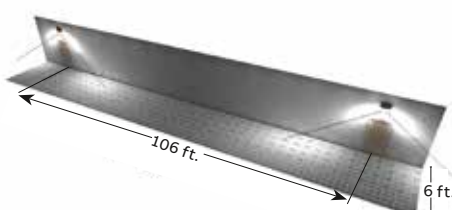
### MR16 LED illumination

With the remarkable technology development in the last decade, the lightemitting diode (LED) is becoming the preferred solution in lighting applications. The emergency lighting industry is no exception: today virtually every new product introduced to market includes “white light” light LEDs for emergency illumination. Extremely efficient and long-lasting, LED lamps become the natural alternative to incandescent lamps due to three main advantages:


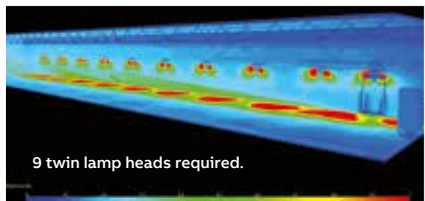

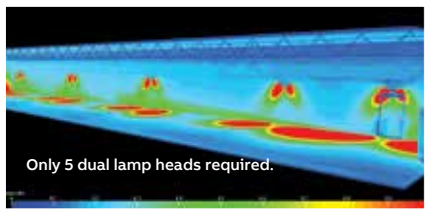

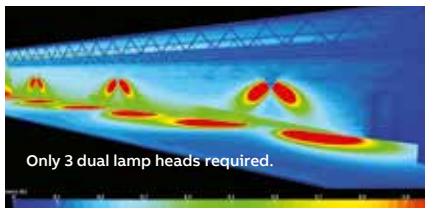

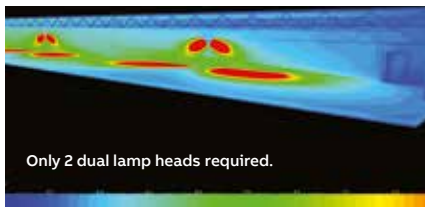

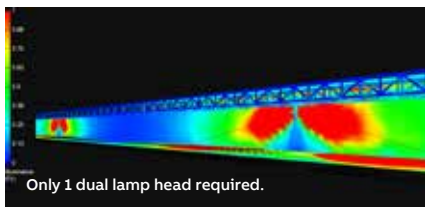
- **Lamp efficacy:** 50–100 lumens per watt compared to 15–30 lumens per watt of the best halogen lamp. Allowing for smaller batteries and units and/ or remote capacity
- **Operational life:** 30,000+ hours, equivalent to a lifetime warranty in emergency lighting.
- **Lower lamp temperature:** 80–120°C (176–248°F) is a huge benefit for lighting in hazardous locations.

### MR16 LED lamp benefits

- Reduces total cost of ownership, uses few fixture due to superior illumination, thus reducing installations cost and future maintenance of the entire system.
- UL-recognized components.
- Available for standard battery voltages 6V, 12V and 24V as well as 120V operation.
- Energy-efficient LED MR16 lamp provides equivalent lighting performance to a much higher watt halogen MR16 lamp.
- Reduces required battery capacity by 75%, for battery units and remote heads.
- Small profile, compact white lighting is ideal for architectural applications.
- Typical 30,000 hours of operational life.
- Vibration-resistant LED stands up to industrial environments.
- Ideal for indoor and outdoor use.

Lamp	Description	Photometry
	<p><b>200-220-Lumen 4W MR16 LED</b></p> <p>Leading the technology trend, Emergi-Lite® offers a complete series of 4W MR16 LED lamps available for all the standard battery voltages: 6V, 12V, 24V and 120V. With up to 30,000 hours of operational life and a luminous flux of typically 200 to 220 lumens, they are available with most emergency heads designed to hold an MR16 lamp and meet the majority of illumination specifications. For example: one pair of LED emergency heads installed at a height of 7.5ft illuminates a 6ft by 55ft path of egress.</p>	 <p><b>55-ft. path of egress 2 X 4W MR16 LED</b> Based on an average of 1 foot candle</p>
	<p><b>340-Lumen 5W MR16 LED</b></p> <p>Keeping pace with technology, in 2012 we introduced a 12V-5W MR16 LED lamp. With a typical luminous flux of 340 lumens, this lamp has the same lighting performance as a 20W high-output halogen MR16. A twin emergency head installed at a height of 7.5ft illuminates 70ft path of egress</p>	 <p><b>70-ft. path of egress 2 X 5W MR16 LED</b> Based on an average of 1 foot candle</p>
	<p><b>540-590 Lumen 6W MR16 LED</b></p> <p>A 6W MR16 LED lamp delivers up to 590 lumens for an average spacing in emergency lighting of 106 feet with an efficacy of 98.3 Lm/w, it is over 6 times the efficacy of a MR16 35W halogen with similar light output. This lamp can deliver the highest linear foot of illumination per watt on a path of egress! (spacing in feet / watt) 8.83ft compare to 1.37ft for a MR16 35W.</p>	 <p><b>106-ft. path of egress 2 X 6W MR16 LED</b> Based on an average of 1 foot candle</p>

# Highly efficient LEDs provide many cost-saving benefits

Series	Thermal imagery – 150 foot hallway	
<p><b>EL-2LED Series – Commodity LED</b>                      Low energy, low maintenance emergency lighting for moderate budget applications</p>		 <p>9 twin lamp heads required.</p>
<p><b>Provider™ PRO-2N-LA Series – 4W LED</b>                      6V thermoplastic housing protected lamps</p>		 <p>Only 5 dual lamp heads required.</p>
<p><b>Premier™ Compact 12MPR20M2LG Series – 5W LED</b>                      Thermoplastic housing 12V–20W emergency light</p>		 <p>Only 3 dual lamp heads required.</p>
<p><b>Premier™ Compact 12MPR20M2LJ Series – 6W LED</b>                      Thermoplastic housing 12V–20W emergency light</p>		 <p>Only 2 dual lamp heads required.</p>
<p><b>JS-HP Series JSM36-2L15FM – 15W</b>                      Thermoplastic housing 12V–72W capacity emergency light</p>		 <p>Only 1 dual lamp head required.</p>