

## MG/MN-SP Series

Steel housing 12V up to 40W capacities Lead-Calcium or Nickel-Cadmium battery high performance LED heads, suitable for NEMA 1 location



### Housing

- Steel housing
- Standard gray finish, optional black finish

### Lamp heads

- 6W (L6 lamp suffix), 10W (L10 lamp suffix) and 15W (L15 lamp suffix) high efficacy LED emergency heads outperform traditional 50W MR16-IR Halogen
- Black heads available in 15W (L15 lamp suffix) only
- Innovative head design: four-LED and dual-driver provide illumination even in case of unexpected component failure
- Die-cast aluminum, LED heads

### Mounting

- Wall mount
- Universal J-box mounting

### Electronics

- Pulse plus charger
- Low voltage disconnect
- Automatic brownout protection
- Battery lock-out
- Fused output circuit
- Optional: Improved Diagnostics
- Optional: Nexus® monitoring system
- 120/277 60Hz

### Choice of Battery

- 12V Lead-Calcium battery
- 12V Nickel-Cadmium battery

### Approvals

UL 924 Listed

**Warranty** (subject to proper installation and maintenance)

Unit: five-year limited warranty

Detailed warranty terms located on [page 182](#) or online at: [www.lightalarms.com](http://www.lightalarms.com)

nexus®

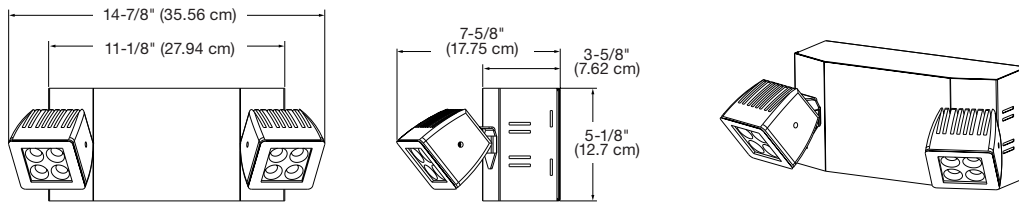


### Power consumption chart

| Series | Battery        | Voltage | DC Specs                    |       |       |       | Units dual voltage <sup>1</sup> | AC Specs<br>Current Maximum |
|--------|----------------|---------|-----------------------------|-------|-------|-------|---------------------------------|-----------------------------|
|        |                |         | Battery capacity (in watts) |       |       |       |                                 |                             |
|        |                |         | 90 Mins                     | 2 Hrs | 3 Hrs | 4 Hrs |                                 |                             |
| M12G1  | Lead-Calcium   | 12V     | 36                          | 25    | 20    | 14    | 120VAC / 277VAC                 | 0.3A / 0.15A                |
| M12N1  | Nickel-Cadmium | 12V     | 30                          | 21    | 15    | 12    |                                 |                             |
| M12N2  |                | 12V     | 40                          | 36    | 25    | 18    |                                 |                             |

<sup>1</sup> All units 120/277 dual voltage, information based on wiring to specific voltage type

**Dimensions** (Dimensions are approximate and subject to change)



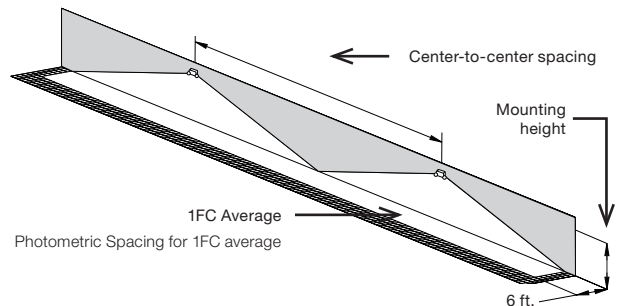
**Photometry performance**

For NEMA 1 type application, the MG/MN-SP Series LED emergency lights deliver a stable and consistent illumination on the path of egress for a wide range of mounting heights. Depending on the required illumination levels need for the application, choose between three level of lumen output using a 6W, 10W or 15W head.

| LED Head | Power | Total lumens | Outperform spacing of MR16 halogen lamp types |
|----------|-------|--------------|---|
| L6       | 6W    | 565          | 37W PAR36, MR16 Halogen                       |
| L10      | 10W   | 1000         | 50W PAR36, MR16 Halogen                       |
| L15      | 15W   | 1300         | 50W MR16-IR Halogen                           |

**Spacing center-to-center (feet)**

| Mounting height | Lamp L6/6W, 565Lm | Lamp L10/10W, 1000Lm | Lamp L15/15W, 1300Lm |
|-----------------|-------------------|----------------------|----------------------|
| 10 ft           | 80'               | 110'                 | 140'                 |
| 15 ft           | 70'               | 105'                 | 135'                 |
| 20 ft           | 60'               | 100'                 | 130'                 |
| 25 ft           | 50'               | 95'                  | 120'                 |



Industrial environment: Wall mounted equipment, reflectances: 10/10/10; 6-ft wide illumination path. Illumination as per NFPA101; Average: 1fc; Min: 0.1fc; Max/min< 40:1

**Accessories** (Order as a separate item)

| Description       | Product code |
|-------------------|--------------|
| Mounting platform | MP-PQA       |
| Wire Guard        | WG10-L       |

**Ordering format**

| Number of heads | Series/Capacity   | Head style   | Housing color | Mounting head         | Options  |
|-----------------|---|--|---------------|-----------------------|--|
| 2= Two heads    | <b>Lead-Calcium battery</b><br>M12G1SP= 12V-36W                       | /L6= 12V-6W (565 Lumens)                                   | -G= Gray      | FM= Front mount heads | <b>Blank</b> = No options<br>-ID= Improved Diagnostics (audible) <sup>1</sup><br>-IDNA= Improved Diagnostics (non audible) <sup>1</sup><br>-NEX= Nexus® Wired compatible <sup>2</sup><br>-NEXRF= Nexus® Wireless compatible <sup>2</sup><br>-T3= Time delay (15 minute)<br>-3CP= 120V Cord & Plug, 3 wire, 3ft long <sup>3</sup><br>-3CP277= 277V Cord & plug, 3 wire, 3ft long <sup>3</sup> |
|                 | <b>Nickel-Cadmium battery</b><br>M12N1SP= 12V-30W<br>M12N2SP= 12V-40W | /L10= 12V-10W (1000 Lumens)<br>/L15= 12V-15W (1300 Lumens) |               |                       |  |

**Example: 2M12G1SP/L15-G-FM-ID**

<sup>1</sup> -ID & -IDNA include a time delay feature that can be enabled/ disabled in the field or set by the factory by including -ID-TD\* or -IDNA-TD\*

<sup>2</sup> -NEX & -NEXRF is CSA-US approved only. Consult your sales representative

<sup>3</sup> -3CP & -3CP277 custom lengths available . Consult your sales representative