

## Mini-Phantom™ Series

The full retrofit unseen solution  
12V-40W capacities – generator capable



### Housing

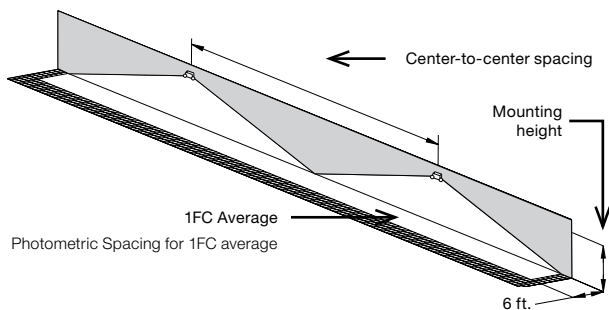
- Galvanized steel back-box
- Easy access to internal components
- Head assembly door and trim plate powder coated in a white finish
- Finish can be customized on site with paint or wallpaper
- Choice of various 12 volt MR16 LED lamp wattages
- Complete 360° head assembly door rotation
- Slip gear mechanism protects unit and objects against forcible stops

### Mounting

- Recessed wall or ceiling with cavity mount (retrofit into finished wall)
- Designed to install into an 8-1/4" by 5-3/4" opening
- Key-hole slot for ease of installation

### Photometric performance

| Lamp | Spacing center-to-center (feet) |                         |
|------|---------------------------------|-------------------------|
|      | 7 feet mounting height          | 15 feet mounting height |
| LD7  | 49'                             | 39'                     |
| LD9  | 68'                             | 54'                     |
| LD10 | 89'                             | 80'                     |
| 5OH  | 160'                            | 171'                    |



### Electronics

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

### Choice of Sealed Maintenance-Free Battery

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

### Approval

- CSA-US (To UL 924 standards)
- New York City Approved
- BC – California Energy Commission Title 20

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

Unit: five-year limited warranty

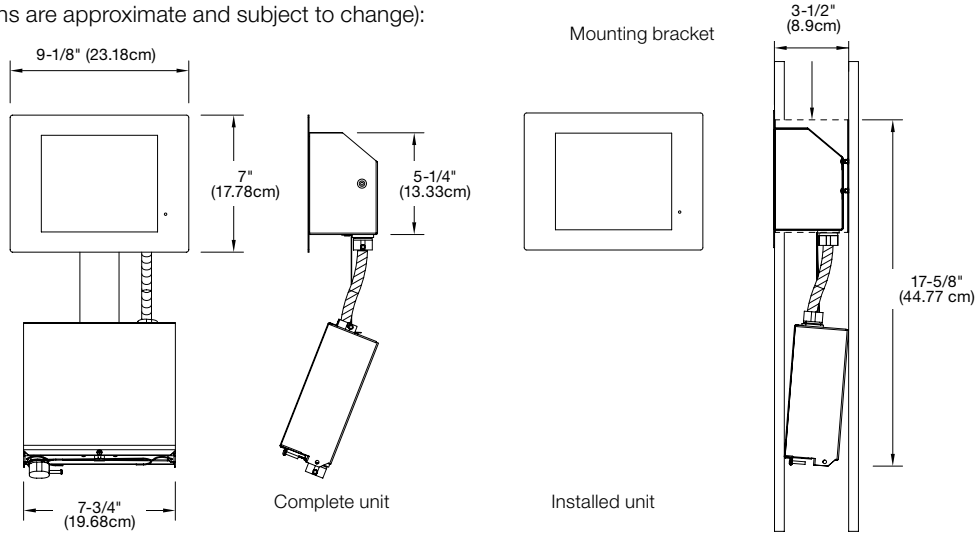
Detailed warranty terms located on [page 197](#) or online at: [www.lightalarms.com](http://www.lightalarms.com)



### Accessories (Order as a separate item)

| Description                            | Product code |
|--|--------------|
| Remote test switch (Metal faceplate)   | PSW          |
| Remote test switch (Plastic faceplate) | PSW-1        |

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



**Power consumption chart - Non-CEC models**

| Series | Battery        | Voltage | DC Specs                    |       |       |       |                                 |         |          | AC Specs |          |  |  |
|--------|----------------|---------|-----------------------------|-------|-------|-------|---------------------------------|---------|----------|----------|----------|--|--|
|        |                |         | Battery capacity (in watts) |       |       |       | Units dual voltage <sup>1</sup> | Current |          |          | Power    |  |  |
|        |                |         | 90 Mins                     | 2 Hrs | 3 Hrs | 4 Hrs |                                 | Maximum | Stand by | Maximum  | Stand by |  |  |
| MPHM40 | Lead-Calcium   | 12V     | 40                          | 30    | 24    | 12    | 120VAC                          | 0.25A   | 0.25A    | 30W      | 11W      |  |  |
| MPHN40 | Nickel-Cadmium | 12V     | 40                          | 30    | 24    | 12    | 277VAC                          | 0.12A   | 0.05A    | 30W      | 11W      |  |  |

<sup>1</sup> Stand-by power consumption is 50% lower for Lead-Calcium Batteries

**Power consumption chart - CEC models**

| Series | Battery      | Voltage | DC Specs                    |           |       |       |                                 |                |          | AC Specs   |                |  |  |
|--------|--------------|---------|-----------------------------|-----------|-------|-------|---------------------------------|----------------|----------|------------|----------------|--|--|
|        |              |         | Battery capacity (in watts) |           |       |       | Units dual voltage <sup>1</sup> | Current        |          |            | Power          |  |  |
|        |              |         | 90 Mins                     | 2 Hrs     | 3 Hrs | 4 Hrs |                                 | Maximum        | Stand by | Maximum    | Stand by       |  |  |
| MRTM40 | Lead-Calcium | 12V     | 40                          | <b>30</b> | 24    | 12    | 120VAC<br>277VAC                | 0.25A<br>0.12A | -        | 30W<br>30W | 0.79W<br>0.79W |  |  |

<sup>1</sup> Maximum power when equipped with 2x 50W lamps

**Ordering format – Battery unit**

| Series     | Battery  | Capacity            | Number of heads       | Lamp type   | Options   | Approval   |
|------------|--|---------------------|-----------------------|---|---|--|
| <b>MPH</b> | <b>M</b> = Lead-Calcium<br><b>N</b> = Nickel-Cadmium | <b>40</b> = 12V-40W | <b>-2</b> = Two lamps | <b>MR16 LED</b><br><b>(LD7)</b> = 12V-4W<br><b>(LD9)</b> = 12V-5W<br><b>(LD10)</b> = 12V-6W | <b>Blank</b> = No options<br><b>ID</b> = Improved Diagnostics (audible) <sup>1</sup><br><b>IDNA</b> = Improved Diagnostics (non audible) <sup>1</sup><br><b>DL</b> = Damp location <sup>2</sup> | <b>-CEC</b> = CEC Title 20 for California <sup>3</sup> |

**Example: MPH40-2(LD7)DL**

<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> Available on all models except Lead-Calcium

<sup>3</sup> Available with lead-calcium models only

**Ordering format – Generator**

| Series                       | Input voltage                                      | Number of heads       | Lamp type   | Options   |
|------------------------------|--|-----------------------|---|---|
| <b>MPHG</b> = Generator unit | <b>1</b> = 120VAC, 60Hz<br><b>2</b> = 277VAC, 60Hz | <b>-2</b> = Two lamps | <b>MR16 LED</b><br><b>(LD7)</b> = 12V-4W<br><b>(LD9)</b> = 12V-5W<br><b>(LD10)</b> = 12V-6W | <b>MR16 Halogen High Output</b><br><b>(50H)</b> = 12V-50W |

**Example: MPHG1-2(LD7)DL**