Lightalarms

California Offering
Lights the way to safety

by ABB

California Energy Commission (CEC) Title 20 Certified Emergency Lighting

The lighting products included in this brochure are certified and comply with the California Energy Commission (CEC) Title 20 Appliance Energy Efficiency Standards.

The CEC Title 20 Compliant products in this brochure have been:

- Proven to meet the applicable efficiency standards
- Tested in a CEC-approved lab
- Marked in accordance with the Title 20 certification requirements

Our CEC Title 20 certified emergency lighting products are ideal for use in architectural, commercial, and institutional environments. The complete range of solutions we offer meets specifications for both new construction and retrofit projects.

Meeting and Exceeding Quality and Performance Standards
All our emergency lighting equipment is designed and manufactured to meet and exceed the highest standards in the industry, with quality built in and tested at our North American manufacturing center of excellence. We ensure that our products are compliant with the latest applicable codes and regulations.

LED Efficiency and Durability
Our product offering is streamlined to use energy-efficient LEDs. LEDs provide exceptional illumination with low energy consumption and lower lamp temperatures. As well, the long operational life of these lamps means they practically last the lifetime of a building.

Outstanding Service and Reliability
Our experienced service team stands behind our products. You can count on our proven, trusted, reliable products and industry expertise.

Table of contents

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Nexus®
Emergency lighting management system

Building & Life Safety Codes oblige building owners/ managers to ensure the safe evacuation of a building in the event of an emergency.

Nexus® is a proven system supported by a 5-year warranty, and can contribute to LEED certification and support green building initiatives.

Are you prepared for a safety inspection?
In the interest of public safety, building owners/ managers must meet the outlined requirements for exit signs and emergency lighting equipment, including the following:
• Conduct a discharge test every month.
• Conduct functional tests annually.
• Keep a log book of maintenance information.

Complying with these requirements can be labor intensive and costly, especially in large buildings where testing every emergency light requires many man-hours. Disrupting the power supply during lengthy inspections can also put public safety at risk.

Manage testing with Nexus® to save time and costs
Nexus® is a real-time monitoring system that manages the status of your entire emergency lighting and Exit Sign system from a central control unit. Nexus® runs diagnostics, performs required monthly and annual functional tests, generates maintenance logs and runs compliance reports. Available in wired or wireless (RF) versions, Nexus® installations often pay for themselves in less than two (2) years. In addition to operational savings, Nexus® helps increase system reliability and performance and reduces the risk of failed inspections. One building or a group of properties under the same management can be monitored with Nexus®.

Maximize system availability
By allowing maintenance personnel to easily maintain and monitor the emergency lighting system without having to manually check each unit, Nexus® reduces the hours required to disrupt the power supply for inspections. With Nexus®, monthly tests and reports on the status of all emergency lights and exit signs can be done individually, in groups, or together.

Advantages of the Nexus® system include saving labor; maximizing system availability by testing units in groups and stages rather than setting all units in recovery mode; and the convenience of self-monitoring. Nexus® indicates the location of a faulty unit and reports it instantly without requiring a manual search.

One building or a group of properties under the same management can be monitored with Nexus®.

Update status instantly

Nexus® passes messages both to and from the emergency units to instruct the units to perform all mandatory testing by communicating between the emergency units and a centrally located controller. Nexus® is a proven system supported by a 5-year warranty, and can contribute to LEED certification and support green building initiatives.

Small system example

In a system of less than 100 units it is most likely that the only hardware required, other than the emergency units themselves, is a controller. All communication would occur wirelessly and installation would not vary greatly from a nonmonitored system. Once the units are in place, the sy tem will establish the mesh network. The building itself could be quite large as each unit only needs to be able to communicate with its close neig bors and does not need to communicate directly with the controller.

Large system example

The Nexus® RF system has been designed to be extremely flexible and provides for a range of system options. Each large site will need to be assessed for the best system solution with the assistance of Lightalarms technical staff. The basic Nexus® RF system is designed to run on an Ethernet network which is present in most modern buildings however through a range of interface cards the backbone of the network could be WLAN.

As with the small system example, site performance will be optimized through the careful selection and placement of Area Controller Routers to form efficient clusters. Building layout and materials will also play some role in determining the best solution to deliver a highly effective means of testing and maintenance requirements.
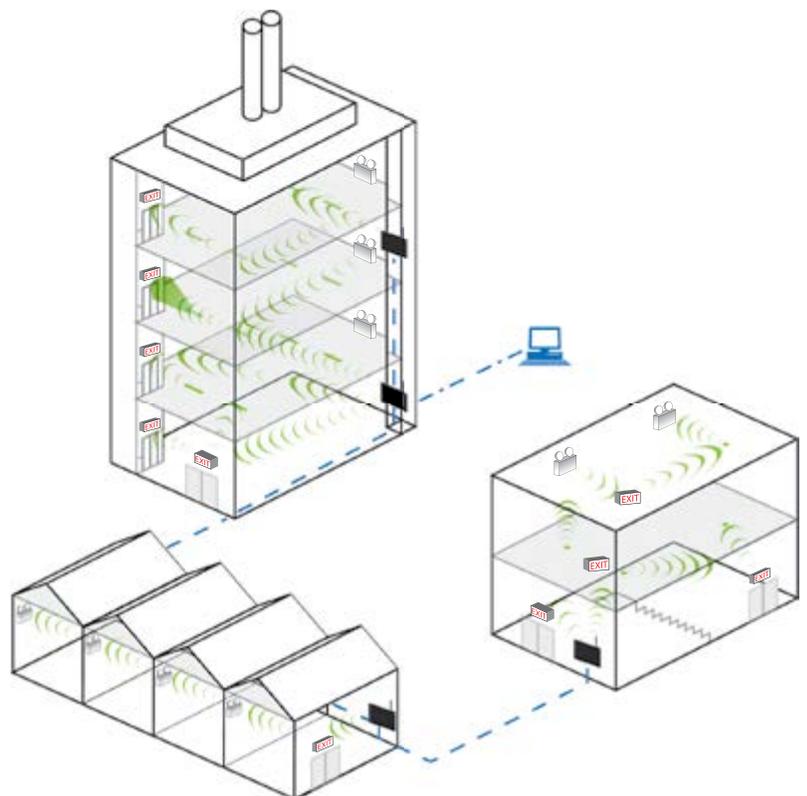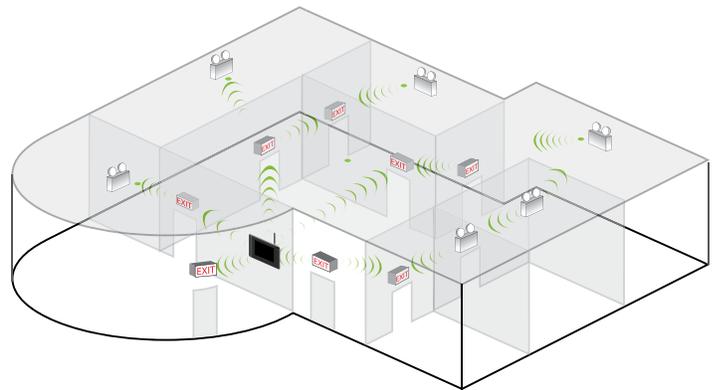
For Nexus® compatibility please refer to individual product pages for complete details.

Lightalarms

High output MR16 LED

Emergency lighting

MR16 LED illumination

With the remarkable technology development in the last decade, the light-emitting 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 lumen per watt compared to 15 - 30 lumen per watt for 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) 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 instillations 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.


200-220 Lumen 4W MR16 LED

Leading the technology trend, **Lightalarms®** 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.

340-Lumen 5W MR16 LED

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.

540-590 Lumen 6W MR16 LED

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.

55 ft.

6 ft.
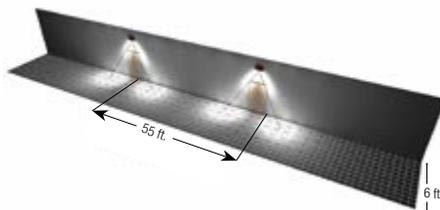
**55-ft. Path of egress
2 X 4W MR16 LED**

Based on an average of 1 foot candle

70 ft.

6 ft.
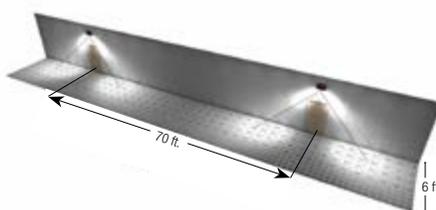
**70-ft. Path of egress
2 X 5W MR16 LED**

Based on an average of 1 foot candle

106 ft.

6 ft.
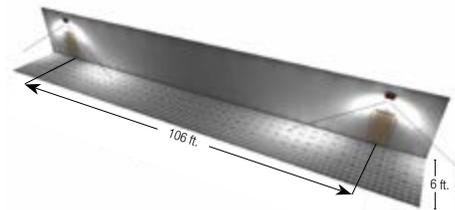
**106-ft. Path of egress
2 X 6W MR16 LED**

Based on an average of 1 foot candle

High output MR16 LED

Emergency lighting

Case Study: Fewer MR16 LED units required

Emergency lighting units with MR16 LED lamps provide the same illumination at floor level using significantly less units.
- Reduced installation costs, less product needed and labor.
- Reduced energy costs, keeping batteries charged at full capacity to be ready to respond to an emergency situation at any time.

- Reduced maintenance and testing cost, less units to maintain and test in the emergency lighting system.
- Reduced lamp replacement cost, LED lamps have a 30,000+ hour lamp life compare to only a few hundred hour typical with incandescent lamps.
- Reduced environmental impact, less product materials, less batteries, less transportation, less packaging, less labor, less waste.

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.
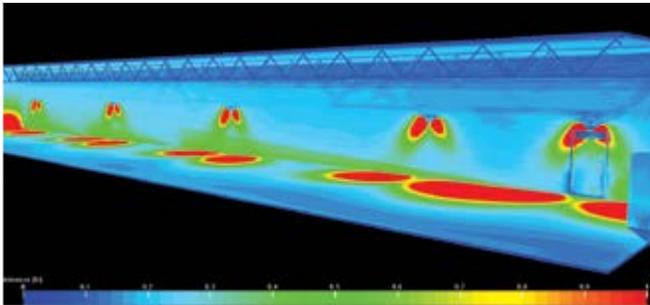
4W MR16 LED lamps

Same Standard Emergency Lighting Units with 4W MR16 LED lamps requires a total of 5 double-head units or remotes.

MR 16 LED LAMPS				
Lamp suffix	Voltage	Wattage	Lumens	Replacement number
LD1	6	4	199	580.0097-L
LD7	12	4	220	580.0093-L
LD13	24	4	220	580.0098-L
LD14	24	6	590	580.0100-L
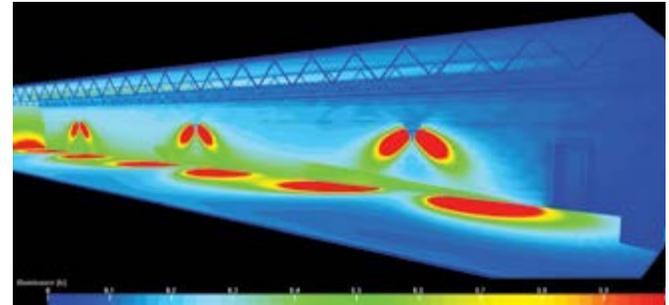
5W MR16 LED lamps

Same Standard Emergency Lighting Units with 5W MR16 LED lamps requires a total of 3 double-head units or remotes

MR 16 LED LAMPS				
Lamp suffix	Voltage	Wattage	Lumens	Replacement number
LD9	12	5	340	580.0104-L
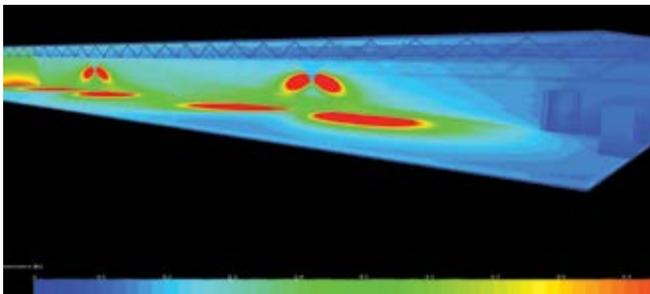
6W MR16 LED lamps

Same Standard Emergency Lighting Units with 6W MR16 LED lamps requires a total of 2 double-head units or remotes

MR 16 LED LAMPS				
Lamp suffix	Voltage	Wattage	Lumens	Replacement number
LD10	12	6	540	580.0106-L
LD14	24	6	590	580.0100-L

Lightalarms

Simplicity™ Premium SLED & SPLED Series

Premium die-cast aluminum and laser-etched acrylic edge-lit exit sign

Construction
• Universal mount housing models use (D) dome and (P) pyramid, trim plate, trim ring and canopy made of die-cast aluminum
• Fully recessed only mount housing with (Z) flat trim plate includes steel back-box and hanger bars
• U-shaped clear acrylic legend panel features laser-etched letters and chevrons
• 6 inch EXIT lettering legend, available in red or green
• 8 inch EXIT lettering legend, available in red
• Choice of finishes: white, black or brushed aluminum, dark bronze, polished brass and polished chrome

Mounting
• (D) Dome and (P) pyramid trim models modular design allows for surface, wall, end or ceiling mount, as well as, recessed wall or ceiling applications
• (D) Dome and (P) pyramid trim models include a canopy for surface wall, end or ceiling mount and for recessed wall or ceiling applications a trim ring and hanger bars for installation into t-bar grid

Chevrons

Chevron right (R) single face

Chevron left (L) single face

Single face, double chevron (1D) double face, double chevron (2D)

Double face, single chevron (RL) represents each side of a double face panel.

Housing color

Brushed aluminum

White

Black

• (D) Dome and (P) pyramid trim models housing is brushed aluminum with conduit knock-out 1/2", top back and end
• (Z)Flat trim models are for RECESS MOUNTING ONLY and can not be used for surface mount applications
• (Z) Flat trim models include a unfinished steel back-box and hanger bars for installation into ceiling and t-bar grid

Special wording panels
Available. Contact your sales representative with your design requirements

Electronics
• Optional Improved Diagnostics
• Optional Nexus® monitoring system
• 120-277 60Hz

Approvals
• UL 924 listed
• Meets NFPA101 (Life Safety Code), NFPA 70 NEC, OSHA illumination standards
• ROHS compliant
• E-California Energy Commission Title 20

Warranty (subject to proper installation and maintenance)
Unit has a Five-year limited warranty

Detailed warranty terms located **online at: www.lightalarms.com**

Trim plates

(D) Dome Trim Plate
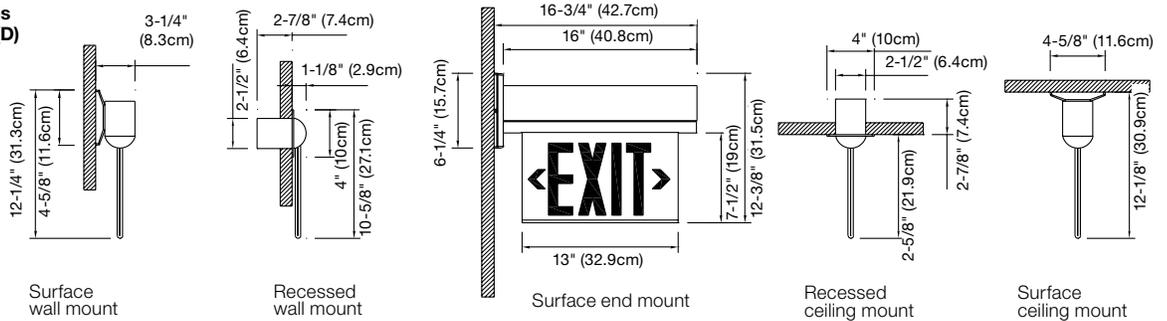

(P) Pyramid Trim Plate

(Z) Flat Trim

(D) Dome Trim Plate and (P) Pyramid Trim Plate photo/text (D) & (P) trims used with universal surface and recess mount housing models
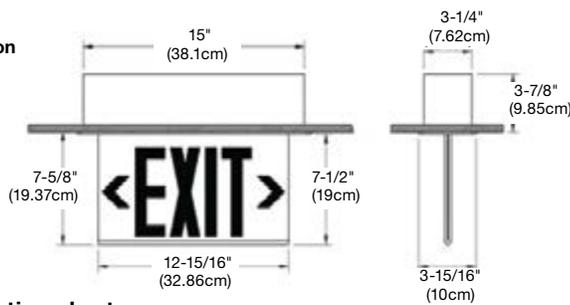
For recess mount applications ONLY (housing is not universal)

Dark bronze (painted)

Polished brass

Polished chrome

Dimensions (Dimensions are approximate and subject to change):

**Mounting applications available with dome (D) and pyramid (P) trim plates**

3-1/4" (8.3cm)

2-7/8" (7.4cm)

1-1/8" (2.9cm)

2-1/2" (6.4cm)

12-1/4" (31.3cm)

4-5/8" (11.6cm)

4" (10cm)

10-5/8" (27.1cm)

Surface wall mount

Recessed wall mount

16-3/4" (42.7cm)

16" (40.8cm)

6-1/4" (15.7cm)

‹EXIT›

7-1/2" (19cm)

12-3/8" (31.5cm)

13" (32.9cm)

Surface end mount

4" (10cm)

2-1/2" (6.4cm)

2-5/8" (21.9cm)

Recessed ceiling mount

4-5/8" (11.6cm)

2-7/8" (7.4cm)

12-1/8" (30.9cm)

Surface ceiling mount

Mounting application available with flat (Z) trim plate - recessed ceiling mount only

15" (38.1cm)

3-1/4" (7.62cm)

3-7/8" (9.85cm)

7-5/8" (19.37cm)

‹EXIT›

7-1/2" (19cm)

12-15/16" (32.86cm)

3-15/16" (10cm)

When using (D) Dome Trim or (P) pyramid models:

For Recessed mount, use these components

For Surface mount, use these components

Canopy

Housing

Trim ring

Trim plate

EXIT

Panel

EXIT
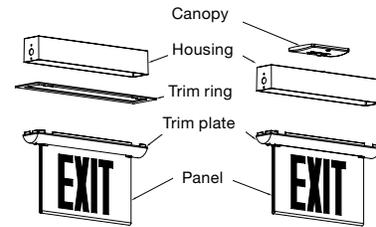
Power consumption chart

Model	AC Specs	DC Specs
AC-Only	120-277VAC, 60Hz (Less than 1.4W)	–
AC/DC	120-277VAC, 60Hz (Less than 1.4W)	6 to 24VDC (Less than 1.4W)
Self-powered	120-277VAC, 60Hz (Less than 2.3W)	Nickel-Cadmium battery (Min. 90 minutes)
Self-powered diagnostic	120-277VAC, 60Hz (Less than 2.3W)	Nickel-Cadmium battery (Min. 90 minutes)

Accessories (Order as a separate item)

Product code	Description
PW-*	Pendant, white
PB-*	Pendant, black
PA-*	Pendant, gray

* Specify pendant length (12", 24", 36", etc).

Ordering format

Legend	Series	Housing color	Legend color	Panel background color	Trim plate	Chevron	Charger type	Options
Blank = 6" EXIT legend **8** = 8" EXIT legend	**SLEDN** = AC-only (less than 1.4W) **SPLEDN** = Self-powered	**A** = Brushed aluminum **W** = White **B** = Black **DB** = Dark bronze (painted) **PB** = Polished brass **CH** = Polished chrome	**R** = Red **G** = Green	**C** = Clear (single face only) **W** = White (single or double face) **M** = Mirror (single or double face)	**D** = Dome² **P** = Pyramid² **Z** = Flat trim³	**Blank** = No chevron (single face sign) **2** = No chevron (double face sign) **L** = Left chevron (on a single face sign) **R** = Right chevron (on a single face sign) **RL** = Left & right chevron (double face sign, one chevron on each side) **1D** = Double chevron (on single face) **2D** = Double chevron (double face sign, two chevrons on each side) **UA** = (2 Qty) for single & (4 Qty) for doubles universal field stick on chevrons per face **2UA** = Double face with universal stick on chevrons	**Blank** = AC only **-DC** = AC/DC model 6 to 24VDC **-ID** = Self-test and diagnostic (SP only) **-NEX** = Nexus® Wired¹ **-NEXRF** = Nexus® Wireless¹ **-Y** = Two circuits (AC only)	**Blank** = No option **-FAF** = Fire alarm flasher (SP only) **-FB** = Flasher & buzzer (SP only) **-LP** = Panel shipped separately **-X** = Back box shipped separate

Example: SLEDNARWDLY

¹ Consult your sales representative. For Special Wording, please contact your sales representative.
² Universal housing for Surface or Recessed mount applications
³ Fully Recessed ONLY applications (not to be used for surface mount)

Lightalarms

Simplicity™ Economizer SE, SES & SEN Series

Surface or recessed mount edge-lit exit sign

Construction
- Recessed model steel housing with extruded aluminum trim plate
- Surface mount model extruded aluminum housing
- Panel features a curved contour for maximum illumination and clarity
- 6 inch EXIT lettering legend available in red or green
- 8 inch EXIT lettering legend available in red
- Choice of housing and trim plate finishes, off white or textured aluminum
- Universal field selectable chevrons

Mounting
- Recessed model: Fully recessed ceiling mount
- Recessed model includes hanger bars for lay-in installation in T-bar grid
- Surface mount model includes canopy for ceiling, wall or end mount

Special Wording Panels
Available. Contact your sales representative with your design requirement

Electronics
120/277 60Hz

Approvals
- UL 924 Listed
- Meets NFPA101 (Life Safety Code), NFPA 70 NEC, OSHA illumination standards
- E-California Energy Commission Title 20

Warranty (subject to proper installation and maintenance)
Five-year limited warranty
Detailed warranty terms located **online at: www.lightalarms.com**

Housing color
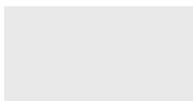
Textured aluminum   Off white

Dimensions (Dimensions are approximate and subject to change):

Surface mount

End mount

Ceiling mount

Recessed ceiling mount only (F) flat trim plate

Power consumption chart

Model	AC Specs	DC Specs
AC-Only	120-277VAC, 50/60Hz (Less than 2W)	–
AC/DC	120-277VAC, 50/60Hz (Less than 2W)	6 to 24VDC (Less than 1.5W)
Self-powered	120-277VAC, 50/60Hz (Less than 3W)	Ni-Cd (Min. 90 mins)

Ordering format

6 inch Series	Trim	Housing color	Legend color	Face
SE = AC-only **SES** = AC/DC **SEN** = Self-powered	**Blank** = Surface mount only **F** = Recessed mount only (flat trim)	**TA** = Textured aluminum **OW** = Off white	**RC** = Red on clear[1] **RW** = Red on white **RM** = Red on mirror **GC** = Green on clear[2] **GM** = Green on mirror	**1** = Single face **2** = Double face

Example: SEFOWRC1

[1]Green on white not available.
[2] Single face only.

8 inch Series	Trim	Housing color	Legend color	Face
8SE = AC-only **8SES** = AC/DC **8SEN** = Self-powered	**Blank** = Surface mount	**TA** = Textured aluminum **OW** = Off white	**RC** = Red on clear[3] **RW** = Red on white **RM** = Red on mirror	**1** = Single face **2** = Double face

Example: 8SEFOWRC1

[3] Single face only.

Lightalarms

Genesis™ GX & GXE Series

Die-cast aluminum LED exit sign

Construction
- Faceplate, backplate and canopy are made of die-cast aluminum
- 6 inch EXIT lettering legend, available in red or green
- 8 inch EXIT lettering legend, available in red
- Choice of finishes: white, black, brushed aluminum or dark bronze

Mounting
- Surface mount
- Canopy included for end or ceiling mount applications
- Universal J-Box mounting

Special Wording Panel
Available. Contact your sales representative with your design requirements

Electronics
- Standard Improved Diagnostics on GXE
- Optional Nexus® monitoring system
- 120-277 60Hz

Approvals
- CSA-US (To UL 924 standards)
- Damp location optional 50°F to 104°F (10°C to 40°C)
- Meets NFPA101 (Life Safety Code), NFPA 70 NEC, OSHA illumination standards
- E-California Energy Commission Title 20

Warranty (subject to proper installation and maintenance)
Five-year limited warranty
Detailed warranty terms located **online at: www.lightalarms.com**

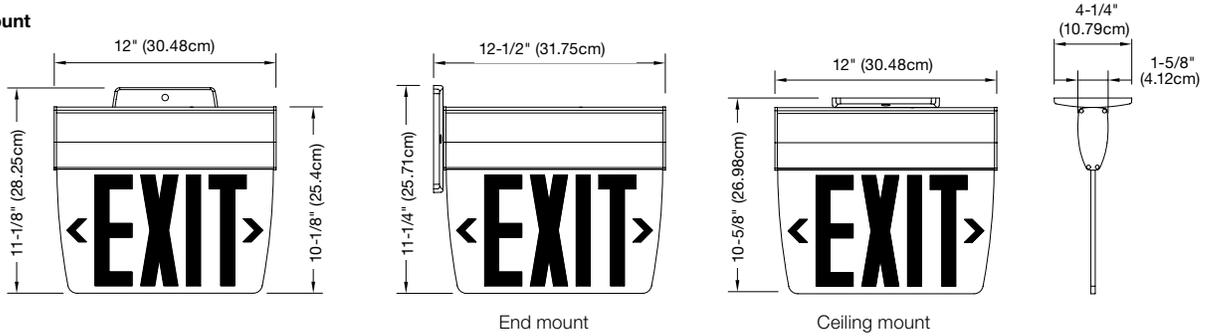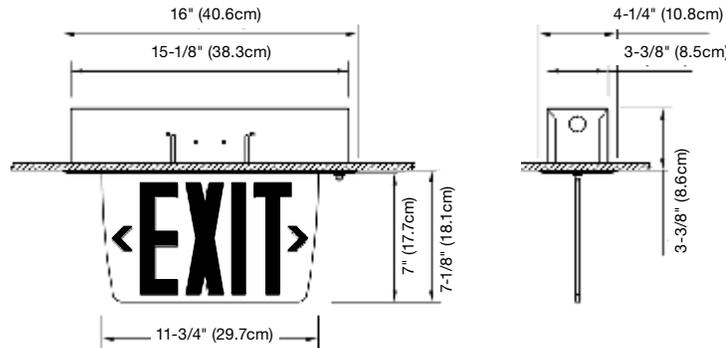## Power consumption chart

Model (6 inch Exit legend)	AC Specs	DC Specs
AC-only	120 to 347VAC, 50/60Hz (1.25W)	–
AC/DC	120 to 347VAC, 50/60Hz (1.25W)	6 to 48VDC (Less than 1.5W)
Self-powered	120 to 347VAC, 50/60Hz (1.6W)	Ni-Cd battery (Minimum of 90 minutes)
Model (8 inch Exit legend)	AC Specs	DC Specs
AC-only	120 to 347VAC, 50/60Hz (2.5W)	–
AC/DC	120 to 347VAC, 50/60Hz (2.5W)	6 to 48VDC (Less than 1.6W)
Self-powered	120 to 347VAC, 50/60Hz (2.9W)	Ni-Cd battery (Minimum of 90 minutes)

Frame/Face plate color

Brushed aluminum

Black

White

Dark bronze (painted)

Dimensions (Dimensions are approximate and subject to change):
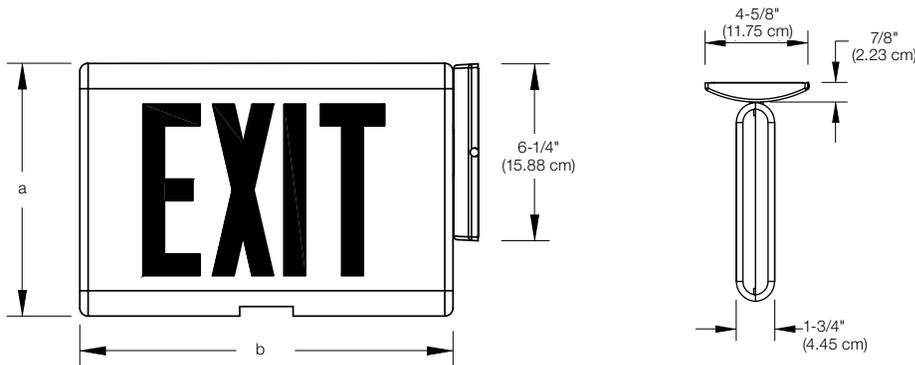
Accessories (Order as a separate item)

Description	Product code
Pendant mount white	GPW-*
Pendant mount black	GPB-*
Pendant mount gray	GPA-*
Wire guard (wall mount) (6 in.)	WG13-L
Wire guard (ceiling mount) (6 in.)	WG14-L
Wire guard (end mount) (6 in.)	WG15-L
Vandal shield (wall mount)	VRC
Vandal shield, NEMA-4X (wall mount)	VRC-4X

* Specify pendant length (12", 24", 36", etc).

Housing cabinet

Letters	Dimension A	Dimension B
6" (15.24 cm)	8-7/8" (22.54 cm)	13-1/16" (33.18 cm)
8" (20.32 cm)	10-1/2" (26.67 cm)	15-1/4" (38.74 cm)

Ordering format

No. of faces	Series	Back plate/ Frame color	Legend color	Face plate color	Diagnostic option[1]	Options	Version
Blank= 6" single face **2**= 6" double face **8**= 8" single face **82**= 8" double face	**GX**= AC/DC Only **GXE**= Self-powered	**A**= Brushed aluminum **B=** Black **W**= White **Optional** **DB**= Dark bronze (painted)	**R**= Red **G**= Green	**A**= Brushed aluminum **B**= Black **W**= White **Optional** **DB**= Dark bronze (painted)	**Blank**= Standard Improved Diagnostics (non-audible) **NEX=** Nexus® Wired[2] (consult your sales representative)	**Blank**= No option **-DL**= Damp location **-VR**= Vandal resistant screws **-LVR**= Vandal resistant polycarbonate lens and screws **-Y**= Open faceplate and Special wording faceplate **-2**= 2 Circuit (120/120 or 277/277, AC-Only)	**-N**[3]

Example: GXEARA-N

[1] Available with Self-Powered GXE exit only
[2] NEX is CSA-US approved only
[3] Include on 6" models

Lightalarms

Galaxy™ XD & XDN Series

Die-cast aluminum LED exit sign

Construction
• Die-cast aluminum housing
• 6 inch EXIT lettering legend available in red or green
• Field-selectable chevrons
• Choice of finishes: white, black or brushed aluminum

Mounting
• Surface mount
• Canopy included for end or ceiling mount applications
• Universal J-Box mounting

Electronics
• Optional Improved Diagnostics
• Optional Nexus® monitoring system
• 120/277 60Hz

Special Wording Panels
Available. Contact your sales representative with your design requirements

Approvals
• UL 924 Listed
• Damp location optional 50°F to 104°F (10°C to 40°C)
• Meets NFPA101 (Life Safety Code), NFPA 70 NEC, OSHA illumination standards
• E-California Energy Commission Title 20

Warranty (subject to proper installation and maintenance)
Five-year limited warranty

Detailed warranty terms located **online at: www.lightalarms.com**

nexus® **id** improved diagnostics (UL) (E)
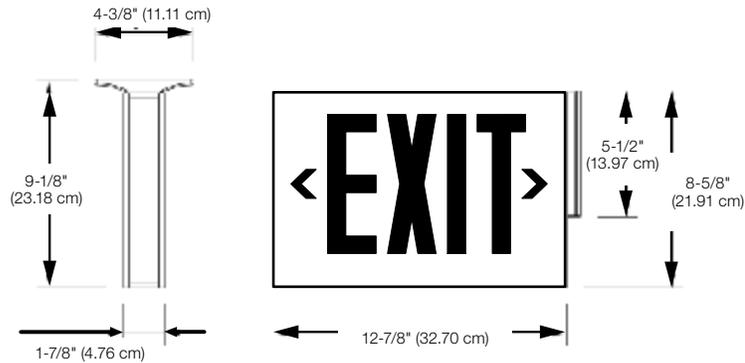
Frame/Face plate color

Black   White   Brushed aluminum

Dimensions (Dimensions are approximate and subject to change):

4-3/8" (11.11 cm)

9-1/8" (23.18 cm)

1-7/8" (4.76 cm)

5-1/2" (13.97 cm)

8-5/8" (21.91 cm)

12-7/8" (32.70 cm)

Power consumption chart

Model	AC Specs	DC Specs
AC-Only	120/277VAC, 60Hz (Less than 2.5W)	–
AC / DC-remote	120/277VAC, 60Hz (Less than 2W)	6 to 48VDC (Less than 1.5W)
Self-powered	120/277VAC, 60Hz (Less than 3.3W)	Nickel-Cadmium battery (Minimum. of 90 minutes)
Self-powered with diagnostic	120/277VAC, 60Hz (Less than 2.8W)	Nickel-Cadmium battery (Minimum of 90 minutes)

Accessories (Order as a separate item)

Product code	Description
Pendant mount white	XD-D*WH
Pendant mount black	XD-D*BK
Pendant mount gray	XD-D*TA
Wire guard (wall mount 6 inch)	WG13-L
Wire guard (ceiling mount 6 inch)	WG14-L
Wire guard (end mount 6 inch)	WH15-L
Vandal shield (wall mount)	VRC
Vandal shield, NEMA-4X (wall mount)	VRC-4X

Ordering format

No. of faces	Series	Backplate/ Frame color	Legend/ Face plate color	Option
1= Single face **2**= Double face	**XDA**= AC-Only **XDC**= AC/DC **XD21**= Dual AC circuit (2 x 120V) **XD22**= Dual AC circuit (2 x 277V) **XDN**= Self-powered without Improved Diagnostics **XDND**= Self-powered with Improved Diagnostics **XDNEX**= Nexus® Wired (consult your sales representative) **XDNEXRF**= Nexus® Wireless (consult your sales representative)	**B**= Black **W**= White **A**= Brushed aluminum	**RB**= Red/Black **GB**= Green/Black **RW**= Red/White **GW**= Green/White **RA**= Red/Brushed aluminum **GA**= Green/Brushed aluminum	**Blank**= No option **-DL**= Damp location (50°F minimum, 104°F maximum ambient, 10°C minimum, 40°C maximum) **-FAF**= Fire alarm flasher (not available with XDN model) **-FB**= Flasher buzzer[1] **-FBF**= Fire alarm activated flasher and Flasher buzzer[1] **-FL**= Flasher[1] **-LVR**= Vandal resistant Polycarbonate lens and screws **-VR**= Vandal resistant screws **-Y**= Open faceplate and special wording faceplate

Example: 2XDABRB

[1] Available with XDN, XDND, XDNEX and XDNEXRF models only.

Lightalarms

Galaxy™ XLD & XLED Series

LED die-cast aluminum exit fully recessed mount AC, AC/DC or self-powered exit signs

Construction
- Die-cast aluminum faceplate
- 6 inch EXIT lettering legend available in red or green
- Field-selectable chevrons
- Choice of finishes: white, black or brushed aluminum

Mounting
Fully recessed mount

Electronics
- Standard Improved Diagnostics (self -powered models)
- 120/277 60Hz

Special Wording Panels
Available. Contact your sales representative with your design requirements

Approvals
- UL 924 Listed
- Meets NFPA101 (Life Safety Code), NFPA 70 NEC, OSHA illumination standards
- E-California Energy Commission Title 20

Warranty
Five-year limited warranty

Detailed warranty terms located **online at: www.lightalarms.com**

Face plate color

| Brushed aluminum | Black | White |
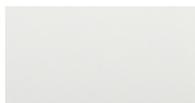
Dimensions (Dimensions are approximate and subject to change):
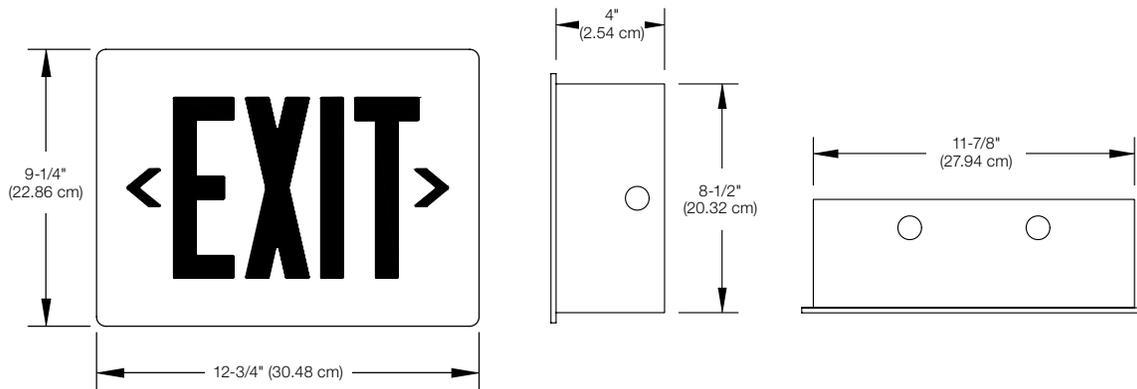
Power consumption chart

Model	AC Specs	DC Specs
AC	120VAC, 60Hz (Less than 1.4W)	—
AC/DC	277VAC, 60Hz (Less than 2W)	6VDC-48VDC (Less than 1.5W)
Self-Powered	120VAC, 60Hz (Less then 1.7W)	Ni-Cd battery (Min. 90 Minutes)

Ordering format

Model	Series	Legend/stencil color	Housing color	Options	
R= Fully recessed mounting (single face only)	**-XLD**= AC, AC/DC **-XLED**= Self-Powered standard with self-diagnostic Ni-Cd battery	**R**= Red **G**= Green	**A**= Aluminum face **W**= White face **B**= Black face	**-DL**= Damp location **-FB**= Flasher buzzer (Self-Powered) **-FAF**= Fire alarm activated flasher (AC) **-FAF**= Fire alarm activated flasher (Self-Powered) **-VR**= Vandal resist screws **-LVR**= Vandal resist shield and screws **-2**= Dual circuit operation (AC only) **-Y**= Open face	**-N**= New design

Example: R-XLEDRW-N

Lightalarms

UX4 LED Steel Exit and Combination Series

Steel LED exit signs

Construction
• Steel housing
• Standard mist-white finish, optional black finish
• 6 inch EXIT lettering legend, available in red or green
• Field-selectable chevrons

Mounting
• Surface mount
• Canopy included for end or ceiling mount applications
• Universal J-Box mounting

Exit sign
• UX4 Model, Exit Sign, AC-Only, 120/277VAC, 50/60Hz
• UX4N Model, Nickel-Cadmium battery

Lamp Head Source
• MR16 LED 6V 4W

Electronics
• Improved Diagnostics
• Optional Nexus® monitoring system
• 120/277 60Hz

Special Wording Panels
Available. Contact your sales representative with your design requirements

Approvals
• UL 924 listed
• Meets NFPA101 (Life Safety Code), NFPA 70-NEC and OSHA illumination standards
• E-California Energy Commission Title 20 (Exit Sign Models only)

Warranty (subject to proper installation and maintenance)
Three-year limited warranty

Detailed warranty terms located **online at: www.lightalarms.com**

nexus **id** improved diagnostics (UL) (E)

Photometric performance

	Spacing center-to-center (feet)	
Lamp	7 feet mounting height	15 feet mounting height
LD1	43'	36'

Unit Rating Chart (Combination unit)

Battery type	DC Voltage (Volts)	Model	Battery capacity in watts			
			1-1/2 hrs.	2 hrs.	3 hrs.	4 hrs.
Lead-calcium	6	UX4E	30	20	14	10
Nickel-Cadmium	6	UX4EN	24	18	12	9

Center-to-center spacing

Mounting height

1FC Average
Photometric Spacing for 1FC average

6 ft.

Face plate color

Brushed aluminum   Black   White

Dimensions (Dimensions are approximate and subject to change):

| 4-5/8" (11.75 cm) | 1-1/4" (3.17 cm) |

7-3/8" (18.73 cm)

EXIT

12-1/8" (30.80 cm)

7-5/8" (19.37 cm)

2-1/8" (5.40 cm)
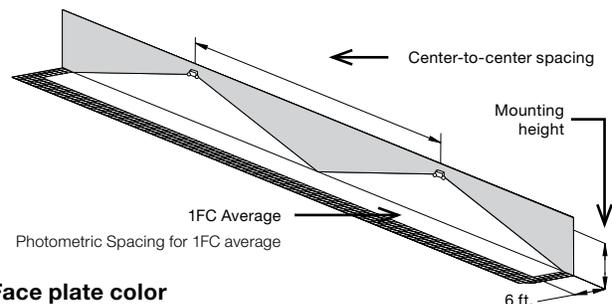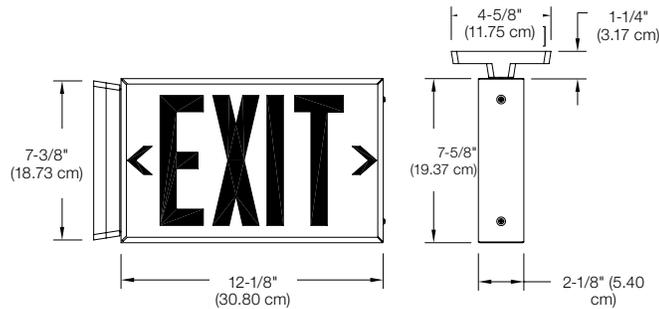
Power consumption chart

Model	AC Specs	DC Specs
AC-Only	120-277VAC, 50/60Hz (Less than 1.5W)	–
AC/DC	120-277VAC, 50/60Hz (Less than 1.5W)	6 to 24VDC (Less than 1.5W)
Self-powered	120-277VAC, 50/60Hz (Less than 3W)	Nd-Cd battery (Min. 90 minutes)

Accessories (Order as a separate item)

Description	Product code
White pendant	PW-*
Black pendant	PB-*
Wire guard (exit-ceiling or end mount)	WG5-L
Wire guard (exit-wall mount)	WG12-L

*Specify pendant length (12", 24", 36" etc.)

Ordering format – AC-only and Self-powered Models

Series	Battery type	Back plate/ Frame color	Legend/ Face Plate Color	Legend source	Options
UX4= Universal (2) faceplates, (1) backplate and (1) canopy	Blank= AC-only N= Self-powered	W= White B= Black	RW= Red/White RB= Red/Black RA= Red/Aluminum GW= Green/White GB= Green/Black GA= Green/Aluminum	LED= LED	Blank= No options -ID= Improved Diagnostics -NEX= Nexus® wired[1] (consult your sales representative) -NEXRF= Nexus® wireless[1] (consult your sales representative) -DC= AC/DC 6V-24VDC -VR= Vandal resistant screws & lens

Example: UX4WRWLED

[1] Available in self-powered only

Ordering format – UX4 LED Steel Exit & Combination units

Series	Unit type	Back plate/ Frame color	Legend/ Face plate color	Legend source	Lamp head suffix	Lamp options	Options
UX4= Universal (2) faceplates, (1) backplate and (1) canopy	E= 6V-30W lead-calcium battery EN= 6V-24W Nickel-Cadmium battery	W= White B= Black	RW= Red/White RB= Red/Black RA= Red/ Aluminum GW= Green/ White GB= Green/Black GA= Green/ Aluminum	LED= LED	/0= No heads /1ELF3= (1) ELF3 head /2ELF3= (2) ELF3 heads	LD1= 6V-4W MR16 LED	Blank= No options -ID= Improved Diagnostics (audible) -IDNA= Improved Diagnostics (non-audible)[1] -NEX= Nexus® wired[1] - combo unit only (consult your sales representative) -NEXRF= Nexus® wireless[1] - combo unit only (consult your sales representative) -T3= Time Delay 15 minutes -VR= Vandal resistant screws

Example: UX4EWRWLED/2ELFLD1

[1] Not available with EN model

Lightalarms

Grande™ Exit Series

Specification-grade, LED, thermoplastic, snap together exit sign

The Grande™ family offers complete emergency lighting solutions where style and design are required in an economical package.

Construction
• Mist white or black UV stabilized thermoplastic enclosure
• 6 inch EXIT lettering legend, available in red or green
• Field-selectable chevrons

Mounting
• Surface mount
• Canopy included for end or ceiling mount applications
• Universal J-Box mounting

Special Wording Panels
Available. Contact your sales representative with your design requirements

Grande™ Thermoplastic Family

| Grande™ Combo series | Grande™ Compact Battery series | Grande™ Battery series | ELF640 & ELF650 Remote series |

Electronics
• Optional Improved Diagnostics
• Optional Nexus® monitoring system
• 120/277 60Hz

Approvals
• UL 924 Listed
• Damp location 50°F to 104°F (10°C to 40°C)
• Meets NFPA101 (Life Safety Code), NFPA 70 NEC, OSHA illumination standards
• E-California Energy Commission Title 20

Warranty (subject to proper installation and maintenance)
Five-year limited warranty

Detailed warranty terms located **online at: www.lightalarms.com**
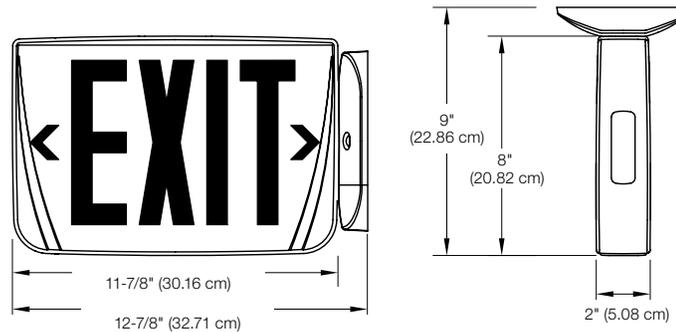

Housing color

Black

White

Dimensions (Dimensions are approximate and subject to change):

11-7/8" (30.16 cm)
12-7/8" (32.71 cm)

9" (22.86 cm)
8" (20.82 cm)
2" (5.08 cm)

Power consumption chart

Model	AC Specs	DC Specs
AC-Only	120/277VAC, 60Hz (Less than 2.5W)	–
AC / DC-remote	120/277VAC, 60Hz (Less than 2W)	6 to 48VDC (Less than 1.5W)
Self-powered	120/277VAC, 60Hz (Less than 3.3W)	Nickel-Cadmium battery (Min . 90 minutes)
Self-powered with Diagnostic	120/277VAC, 60Hz (Less than 2.8W)	Nickel-Cadmium battery (Min . 90 minutes)

Accessories (Order as a separate item)

Description	Product Code
Wire guard, Back mount	WG1-L
Wire guard (ceiling mount and end mount)	WG5-L
Pendant white	GRA-P*-W
Pendant black	GRA-P*-B

*Specify pendant length (12", 24", 36" etc)

Ordering format

Series	Unit type	Legend color/ # of face	Housing color	Options

GRAN	**AC**= AC-Only (120/277V)
	DC= 120/277VAC & 6 to 48VDC
	21= Dual AC circuit (2x120V)
	22= Dual AC circuit (2x277V)
	N= Self-powered Nickel-Cadmium
	ND= Self-powered with Improved
	     Diagnostics circuitry
	-NEX= Nexus® wired[1]
	-NEXRF= Nexus® wireless[1]
		R= Red universal
		G= Green universal
		R1= Red single face[3]
		R2= Red double face[3]
		G1= Green single face[3]
		G2= Green double face[3]
		Open face[2]
		RW= Red on white universal
		GW= Green on white universal
		
		Universal= (2) faceplates, (1) backplate
		     and (1) canopy
		Single face= (1) faceplate, (1) backplate
		     and (1) canopy
		Double face= (2) faceplates and
		     (1) canopy
			W= White
			B= Black
				BA= Brushed aluminum exit stencil
				-FAF= Fire alarm activated flasher
				     (AC, DC, 21,22 or ND models only)
				-FB= Flasher buzzer (ND model only)
				-FBF= Flasher Buzzer + Fire alarm activated
				     flasher (ND model only)
				-FL= Flasher (ND model only)
				-LVR1= Polycarbonate shield
				     with tamper proof screws
				-VR= Vandal-resistant screws

Example: GRANACRW

[1] Consult your sales representative
[2] Open face required with special wording legends
[3] Specify single or double for LVR1 or VR options only

Lightalarms

Severe™ XV & XVE Series

NEMA-4X, vandal resistant and harsh environment exit sign

The Severe™ NEMA-4X Rated and NSF Certified Family

Severe™ XV12E & XV24E
Combo series

Severe™ V
Battery unit

Severe™ ELF650
Remote series

The Severe™ XV Series exit sign is a part of the Severe™ family of NEMA-4X rated emergency lighting products. The Severe™ family offers complete emergency lighting solutions for commercial and industrial environments where protection against humidity, dust, water infiltration and the risk of vandalism are specification criteria. These products deliver state-of-the-art illumination in a visually appealing package.

Construction
• Full gasketed NEMA-4X housing
• Frame: polyvinyl chloride enclosure, fully gasketed around the lens, backplate and canopy to prevent water infiltration
• Faceplate: heavy-duty, vandal-resistant polycarbonate
• Backplate: heavy aluminum
• Comes with both Phillips head and tamper-proof screws
• 6 inch EXIT lettering legend, available in red or green
• Field-selectable chevrons
• Choice of finishes: white, black or gray

Mounting
• Surface mount applications
• Ceiling and wall mount are NEMA-4X
• End and pendant mount are not NEMA-4X
• Canopy included for end or ceiling mount applications
• Universal J-box mounting
• ½ inch conduit entry on top and sides

Special Wording Panels
Available. Contact your sales representative with your design requirements

Electronics
• Magnetically operated test switch
• Standard Improved Diagnostics (non-audible)
• Optional Nexus® monitoring system
• 120/277 60Hz

Approvals
• UL 924 listed
• UL listed for wet and damp location
  50°F to 104°F (10°C to 40°C)
• UL listed for cold weather option-40°F to +104°F
  (-40°C to +40°C)
• Meets NFPA101 (Life Safety Code), NFPA 70 NEC, OSHA illumination standards
• E-California Energy Commission Title 20

Warranty (subject to proper installation and maintenance)
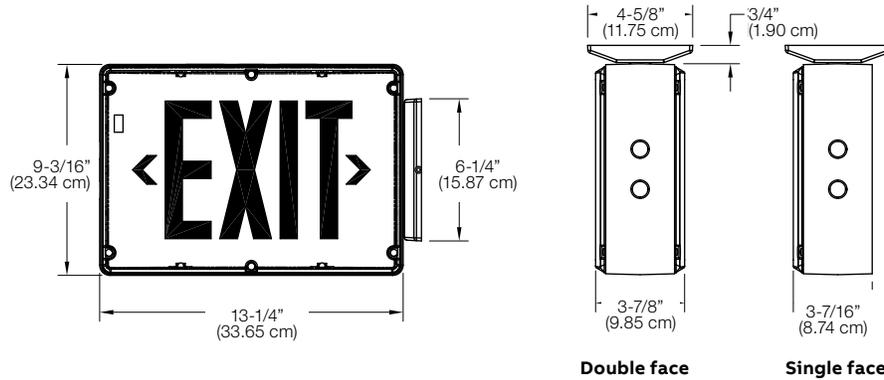Five-year limited warranty

Detailed warranty terms located **online at: www.lightalarms.com**

nexus   NEMA-4X   NSF   id improved diagnostics   UL   E

Housing/Face color

Black   White   Gray   Aluminum

Dimensions (Dimensions are approximate and subject to change):

4-5/8" (11.75 cm)   3/4" (1.90 cm)

9-3/16" (23.34 cm)

6-1/4" (15.87 cm)

13-1/4" (33.65 cm)

3-7/8" (9.85 cm)

3-7/16" (8.74 cm)

Double face   **Single face**

Power consumption chart

Model	AC Specs	DC Specs
AC-Only	120-277VAC, 50/60Hz (1.2W)	–
AC/DC	120-277VAC, 50/60Hz (1.2W)	6 to 24VDC (Less than 1.5W)
Self-Powered	120-277VAC, 50/60Hz (3.7W)	Ni-Cd battery (Min. 90 minutes)

Accessories (Order as a separate item)

Description	Product code
Convert single face to double face, red (in the field)	DFKR-*
Convert single face to double face, green (in the field)	DFKG-*
Tamper-Proof Bit (extra)	690.0454-L

*Specify White (WT) or Black (BK) housing

Ordering format

Housing/ Face color	Series	Faces	Legend color	Diagnostic	Housing	Options
Blank= Black/Black **BW**= Black/White **BA**= Black/Aluminum **GB**= Gray/Black **GW**= Gray/White **GA**= Gray/Aluminum **WB**= White/Black **WW**= White/White **WA**= White/Aluminum	**XV**= AC-only **XVE**= Self-powered Nickel-Cadmium battery	**-1**= Single face **-2**= Double face	**-R**= Red **-G**= Green	**Blank**= AC-Only models **-D**= Improved Diagnostics (non-audible, standard)[1] **-NEX**= Nexus® wired[1] (contact your sales representative) **-NEXRF**= Nexus® wireless[1] (contact your sales representative)	**-4X**= NEMA-4X housing[2]	**Blank**= No options **-2**= Dual Circuit (120/120 or 277/277AC only)[3] **-DC**= AC/DC 6V to 24VDC[3] **-CW**= Cold weather (Self-Powered -4°F to 104°F, -20°C to 40°C) (AC/DC -40°F to 104°F, -40°C to 40°C) **-Y**= Open face/special wording **-CM**= Pendant mount

Example: BAXVE-1-R-D-4X-CW

[1] Available with Self-Powered models only.
[2] Wall or ceiling mount only
[3] Not available with -NEX or -NEXRF, Nexus® option

Lightalarms

Cluster™ LED LCA-2LED

Housing
- UV stabilized thermoplastic body
- Fully adjustable Cluster™ LED glare-free heads
  glare-free heads
- Choice of white or black housing

Mounting
- Ceiling or wall mount
- Universal J-box mounting

Lamp Type
- White LED 3.6V-3.6W, with life expectancy 50,000+ hours, 70 lumens per head

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

Sealed Maintenance-Free Battery
3.6V Nickel-Cadmium battery

Approvals
- UL 924 listed
- Damp location 50°F to 104°F (10°C to 40°C)
- UL 94, 5VA flame rated
- BC- California Energy Commission Title 20

Warranty (subject to proper installation and maintenance)
Three-year full warranty
Detailed warranty terms located **online at: www.lightalarms.com**
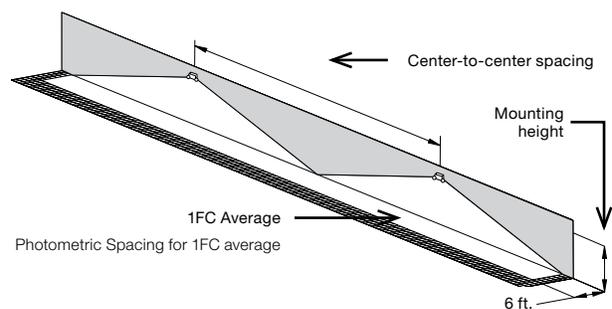
Photometric performance

	Spacing center-to-center (feet)	
7 feet mounting height	**15 feet mounting height**	
15'		4'

Photometric Spacing for 1FC average

Center-to-center spacing

Mounting height

1FC Average

6 ft.

Dimensions (Dimensions are approximate and subject to change)

9" (22.86 cm)   2-3/4" (5.08 cm)

4"
(16 cm)

Power consumption chart

	AC Specs	DC Specs
Series	120VAC, 60Hz	277VAC, 60Hz
LCA-2LED	0.191/0.92	0.129/1.62

Unit rating

Series		AC specs	AC power stand-by
LCA-2LED	120/277VAC	0.1 / 0.10A	0.7W

Ordering format - Battery unit

Series	Lamp	Capacity	Color
LCA	**-2LED**= Cluster LED head style	**Blank**= No Remote	**Blank**= Mist-white **B**= Black

Example: LCA-2LED

Grande™ Compact Series

Thermoplastic housing 6V up to 10W & 12V up to 20W capacities

Grande™ Thermoplastic Family

Grande™ Exit series   Grande™ Combo series   Grande™ Battery series   ELF640 & ELF650 Remote series

Housing
- White or black UV stabilized thermoplastic enclosure
- Clear polycarbonate lens covers
- Choice of MR16 LED lamp wattages

Mounting
- Wall mount
  Optional: ceiling mount and pendant mount
- Universal J-box mounting

Lamp type
- Two MR16 LED lamps

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
- 6V or 12V Lead-calcium battery
- 6V or 12V Nickel-metal hydride

Approval
- UL 924 Standards
- UL 94-5VA flame rated thermoplastic house
- Damp location listed 50°F to 104°F (10°C to 40°C)
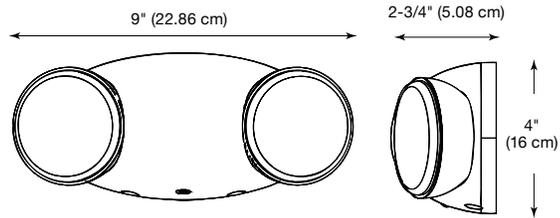- BC - California Energy Commission Title 20

Warranty (subject to proper installation and maintenance)
- Unit has a five-year full warranty
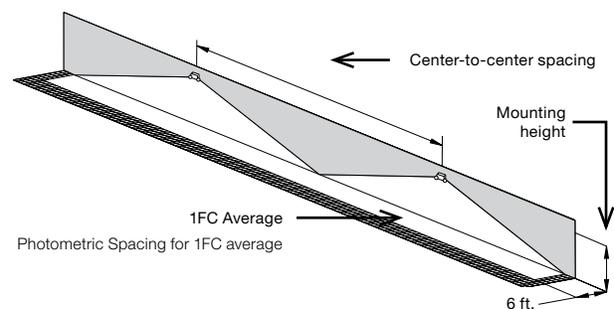
Detailed warranty terms located **online at: www.lightalarms.com**

Photometric performance

Lamp	Spacing center-to-center (feet)	
	7 Feet Mounting height	15 Feet mounting height
LD1	39'	34'
LD7	49'	39'
LD9	68'	54'
LD10	89'	80'

Center-to-center spacing

Mounting height

1FC Average

Photometric Spacing for 1FC average

6 ft.

Dimensions (Dimensions are approximate and subject to change)

12-1/4" (31 cm)

7" (17.8 cm)

4" (10.1 cm)
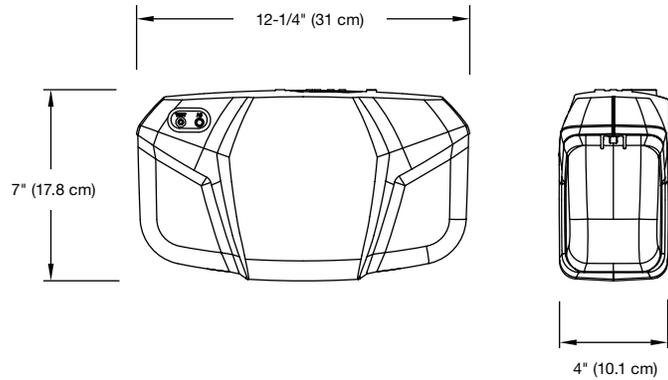
Power consumption chart

| | AC Specs | | | | DC Specs | | | |
| | | | | | 87.5% Battery capacity (in watts)[1] | | | |
Series	AC input	Current draw	Battery	Voltage	90 Mins	2 Hrs	3 Hrs	4 Hrs
MGRA1		0.12 / 0.5A		6V-10W	10W	7.5W	5W	3.3W
MGR12A1	120/277	0.20 / 0.09A	Lead-Calcium	12V-12W	12W	9W	6W	4W
MGR12A2		0.20/ 0.09A		12V-20W	20W	15W	10W	6.5W

[1] National Electrical Code Specification

Ordering format

Number of heads	Series/Capacity	Lamp/ Wattage	Housing color	Diagnostic	Options	Approval
Blank= No heads **2**= Two heads	**MGRA1**= 6V-10W Lead-Calcium **MGR12A1**= 12V-12W Lead-Calcium **MGR12A2**= 12V-20W Lead-Calcium	**/LD1**= 6V-4W **/LD7**= 12V-4W **/LD9**= 12V-5W **/LD10**= 12V-6W	**-M**= Mist white **-B**= Black	**Blank**= Standard **-ID**= Improved Diagnostics (audible) **-IDNA**= Improved Diagnostics (non audible) **-NEX**= Nexus® wired compatible (consult your sales representative) **-NEXRF**= Nexus® wireless compatible (consult your sales representative)	**Blank** = No option **-CM** = Ceiling mount **-DL** = Damp locations[1] **-LC** = Line cord (120V only) **-PM** = Pendant mount[2] **-T3**= Time delay (15 minute) **ZU** = 120/208/220-240V 50/60Hz input[3]	**-CEC=** CEC Title 20 for California

Example: 2MGRA1LD1M-CEC

[1] Not available in MGRA1
[2] -PM Sold separately
[3] Not available with -NEX and -NEXRF

MG/MN-SP Series

Steel housing 12V 36W capacitie Lead-Calcium 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 or ceiling 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

Approvals
- UL 924 Listed
- BC- California Energy Commission Title 20

Warranty (subject to proper installation and maintenance)
Unit: five-year limited warranty
Detailed warranty terms located **online at: www.lightalarms.com**

nexus®　CSA US　id improved diagnostics　UL　BC

Power consumption chart

| | | | DC Specs | | | | | AC Specs |
| | | | Battery capacity (in watts) | | | | | |
Series	Battery	Voltage	90 Mins	2 Hrs	3 Hrs	4 Hrs	Units dual voltage1	Current Maximum
M12G1	Lead-Calcium	12V	36	25	20	14	120VAC / 277VAC	0.3A / 0.15A

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

Dimensions (Dimensions are approximate and subject to change)
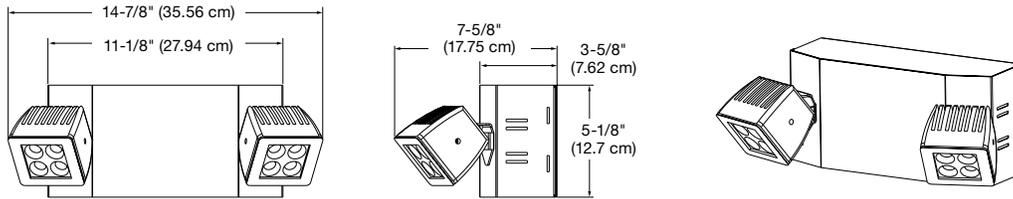

Photometry performance

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'

Center-to-center spacing

Mounting height

1FC Average

Photometric Spacing for 1FC average

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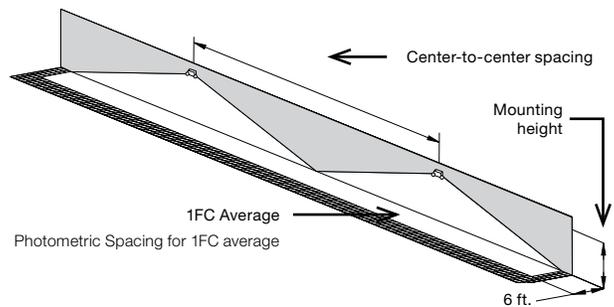
Industrial environment: Wall mounted equipment, reflectances: 10/10/10; 6-ft wide illumination path. Illumination as per NFPA101; Average: 1fc; Min: 0.1fc; Max/min< 40:1

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	Approval
2= Two heads	Lead-Calcium battery M12G1SP= 12V-36W	/L6= 12V-6W (565 Lumens) /L10= 12V-10W (1000 Lumens) /L15= 12V-15W (1300 Lumens)	G= Gray B= Black	-FM= Front mount heads	Blank= No options -ID= Improved Diagnostics (audible)[1] -IDNA= Improved Diagnostics (non audible)[1] -NEX= Nexus® Wired compatible[2] -NEXRF= Nexus® Wireless compatible[2] -T3= Time delay (15 minute) -3CP= 120V Cord & Plug, 3 wire, 3ft long[3] -3CP277= 277V Cord & plug, 3 wire, 3ft long[3]	-CEC= CEC Title 20 for California[4]

> **Example: 2M12G1SP/L15G-FM-ID-CEC**

[1] -ID & -INDA 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*
[2] -NEX & -NEXRF is CSA-US approved only. Consult your sales representative
[3] -3CP & -3CP277 custom lengths available . Consult your sales representative
[4] -Must chose ID, IDNA or NEXRF

Lightalarms

MG & MN Series

Steel housing 6V up to 36W & 12V up to 54W capacities

Available Head Style Choices: ELF3 DR130

Head Style Suffix: /ELF3 /DR130

Housing
• Steel housing
• Standard mist white finish, optional black finish
• Choice of MR16 LED lamp voltages and wattages
• Heads available in thermoplastic or decorative die-cast aluminum

Mounting
• Ceiling or 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
• 6V or 12V Lead-Calcium battery

Approvals
• UL 924 Standard
• BC- California Energy Commission Title 20

Warranty (subject to proper installation and maintenance)
Unit: three-year limited warranty
Detailed warranty terms located **online at: www.lightalarms.com**

nexus® · id improved diagnostics · UL · BC

Photometric performance

Lamp	Spacing center-to-center (feet)	
	7 feet mounting height	15 feet mounting height
LD1	43'	36'
LD7	55'	43'
LD9	71'	56'
LD10	100'	85'

Center-to-center spacing

Mounting height

1FC Average

Photometric Spacing for 1FC average

6 ft.

Housing color

Black

Mist White
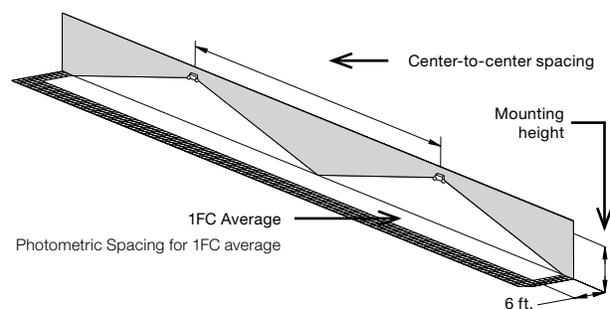
Dimensions (Dimensions are approximate and subject to change)
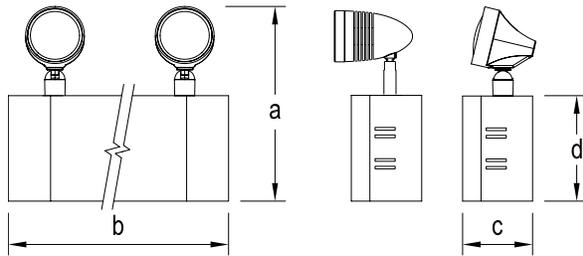
Cabinet dimensions

Units	Cabinet	a	b	c	d
50W and under	S	11-3/8"	11"	3-1/2"	5-1/4"
54W and higher	L	12-3/8 " 10-3/4"	12-1/2"	4"	6-1/4"

Power consumption chart

			DC Specs				AC Specs	
			Battery capacity (in watts)					
Series	Battery	Voltage	90 Mins	2 Hrs	3 Hrs	4 Hrs	Units dual voltage[1]	Current Maximum
MG18		6V	18	12	0	0		
MG1		6V	27	18	14	0	120VAC	0.3A
MG2	Lead-Calcium	6V	54	37	28	21	277VAC	0.15A
M12G1		12V	36	25	20	14		
M12G2		12V	54	37	28	21		

[1] All units 120/277 dual voltage, information based on wiring to specific voltage type

Accessories (Order as a separate item)

Description	Product code
Mounting platform	MP-PQA
Wire guard (S cabinet)	WG1-L
Wire guard (L cabinet)	WG2-L
Wire guard (Front mounted heads)	WG10-L

Ordering format

Number of heads	Series/Capacity	Head style	Lamp type	Housing color	Options	Approval
0= No Heads **1**= One Head **2**= Two Heads **3**= Three Heads	**Lead-Calcium battery** **MG18**= 6V-18W **MG1**= 6V-27W **MG2**= 6V-54W[1] **M12G1**= 12V-36W **M12G2**= 12V-54W[1]	**/ELF3**= ELF3 (MR16, Plastic) **/DR130**= DR130 (MR16, Metal)	**LD1**= 6V-4W MR16 LED **LD7**= 12V-4W MR16 LED **LD9**= 12V-5W MR16 LED **LD10**= 12V-6W MR16 LED	**-M**= Mist white **-B**= Black	**Blank**= No Options **-ID**= Improved Diagnostics (audible)[2] **-IDNA**= Improved Diagnostics (non audible)[2] **-FM**= Front mounted heads **-NEX**= Nexus® Wired (contact your sales representative) **-NEXRF**= Nexus® Wireless (contact your sales representative) **-T3**= Time delay (15 minute) **-FM**= Front mounted heads **-3CP**= 120V Cord & plug, 3 wire, 3ft long3 **-3CP277**= 120V cord & plug 3 wire, 3 ft. long3	**-CEC=** CEC Title 20 for California[4]

Example: 2MG18/ELF3-LD1-M-ID-CEC

[1] MG2 & M12G2 models use L cabinet size
[2] -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*
[3] -3CP custom lengths available. Consult your sales representative
[4] - Must chose ID, IDNA or NEXRF

Lightalarms

Severe™ Series

NEMA-4X, NSF, Vandal-Resistant housing 6V-18W & 12V up to 54W capacities
Lead-Calcium, Nickel-Cadmium or Nickel-Metal Hydride battery

The Severe™ XV Series Family

Severe™ XV
exit series

Severe™ XV
combo series

Severe™ ELF650
remote series

Housing
• Full gasketed NEMA-4X housing
• Vandal-resistant UV stabilized polycarbonate cover
• Comes with both Phillips head and tamper-proof screws

Mounting
• Universal J-box mounting
• Strut or I-beam installation bracket sold separately (order catalog number: PMK-E)

Lamp type
• Choice of MR16 LED lamp voltages and wattages

Electronics
• Pulse plus charger
• Low voltage disconnect
• Automatic brownout protection
• Battery lock-out
• Fused output circuit
• Magnetic test switch
• Standard Improved Diagnostics (non-audible)
• Standard 15 minutes time delay
• Optional: Nexus® monitoring system
• 120/277 60Hz

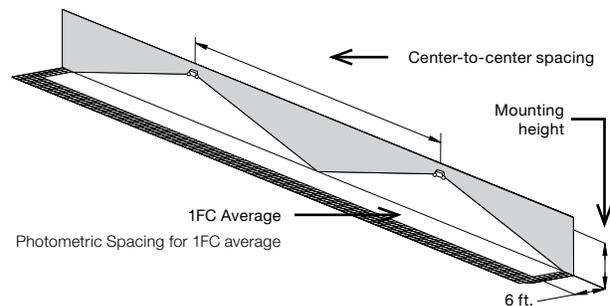### Choice of Battery
• 6V or 12V Lead-Calcium battery

Approvals
• UL 924 Listed
• UL listed for wet and damp location 50°F to 104°F (10°C to 40°C)
• UL listed for cold weather option -40°F to 104°F (-40°C to 40°C)
• NSF certified for use in food processing plants
• NEMA-4X Rated
• BC- California Energy Commission Title 20

Warranty (subject to proper installation and maintenance)
Unit: five-year full warranty
Detailed warranty terms located **online at: www.lightalarms.com**

nexus® NEMA-4X NSF id improved diagnostics UL BC

Photometric performance

Lamp	Spacing center-to-center (feet)	
	7 feet mounting height	15 feet mounting height
LD1	39'	34'
LD7	49'	39'
LD9	68'	54'
LD10	89'	80'

Housing color

Black

White

Gray

Center-to-center spacing

Mounting height

1FC Average

Photometric Spacing for 1FC average

6 ft.

Dimensions (Dimensions are approximate and subject to change)

17-3/4"
(45.08cm)

5-3/4"
(14.60cm)

7"
(17.78cm)

Universal mounting brackets

9"
(22.86cm)

1/4" bolts
(not included)
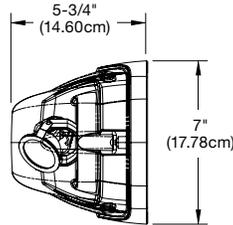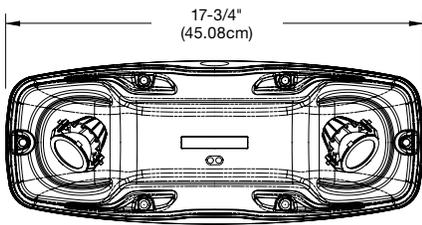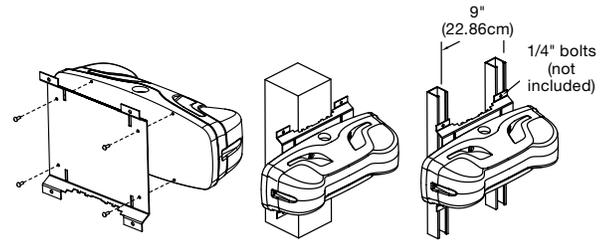
Power consumption & unit rating chart

| Series | Battery | Voltage | DC Specs | | | | AC Specs | | |
| | | | Battery capacity (in watts) | | | | Units dual voltage[1] | Current Maximum | Power Maximum |
			90 Mins	2 Hrs	3 Hrs	4 Hrs			
VG1	Lead-Calcium	6V	18	12	–	–	120VAC 277VAC	0.2A 0.11A	20W 20W
V12G1		12V	24	16	12	–			
V12G2		12V	36	24	20	14			
V12G3		12V	54	36	27	20			
V12G1-CW4	With cold-weather option	12V	24	Note 2	–	–	120/277VAC	0.4A/0.3A	60W
V12G2-CW4		12V	36		–	–		0.7A/4A	100W

[1] All units 120/277 dual voltage, information based on wiring to specific voltage type
2 Dependent on lower ambient temperatures

Accessories (Order as a separate item)

Description	Product code
Bit for Tamper-proof screws	690.0454-L
Universal mounting bracket	PMK-L

Ordering format

# of heads	Series/Capacity	Lamp type	Housing color	Diagnostics	Options	Approval
2= Two heads	**Lead-Calcium battery** **VG1**= 6V-18W **V12G1**= 12V-24W **V12G2**= 12V-36W **V12G3**= 12V-54W	**MR16 LED Lamp** **LD1**= 6V-4W **LD7**= 12V-4W **LD9**= 12V-5W **LD10**= 12V-6W	**-B**= Black **-G**= Gray **-M**= White	**Standard Diagnostic** **-D**= Improved Diagnostics, non-audible **Optional Diagnostic** **-DA**= Improved Diagnostics, audible **NEX**= Nexus® Wired (contact your sales representative) **NEXRF**= Nexus® Wireless (contact your sales representative)	**Blank**= No Options **-T3**= Time delay (15 minute) **-CW4**= Cold Weather -40°F to 104°F (-40°C to 40°C)[1] **-SMC**= Surface ceiling mount	**-CEC=** CEC Title 20 for California

Example: 2V12G2/LD10-B-D-CEC

[1] - CW4 option only available with V12G1 & V12G2 models

Lightalarms

LCA-2RHL Series

High output lithium LED battery unit

Housing
- UV stabilized thermoplastic body
- Two adjustable high output LED lighting heads
- White finish

Mounting
- Wall or ceiling mount
- Universal J-box mounting

Lamp type
- Two 9.6V-5.4W LED heads, 550 lumens per head

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

Battery type
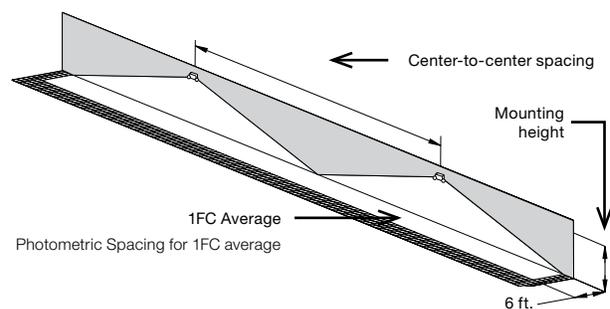- 9.6V Lithium phosphate battery

Approvals
- UL 924 Listed
- Damp location (50°F to 104°F)
- UL 94, 5VA flame rated
- BC- California Energy Commission Title 20

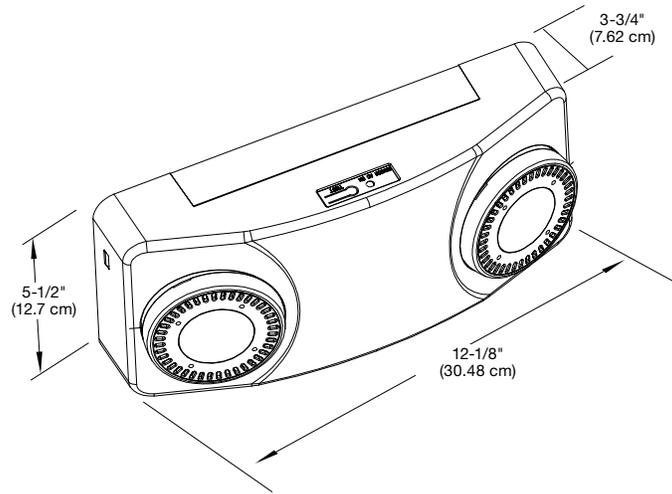## Warranty (subject to proper installation and maintenance)
Unit: three-year full warranty

Detailed warranty terms located **online at: www.lightalarms.com**

Photometric performance

	Spacing center-to-center (feet)
Mounting height	6 ft spacing distance
7.5'	90'
10'	78'

Center-to-center spacing

Mounting height

1FC Average

6 ft.

Photometric Spacing for 1FC average

Dimensions (Dimensions are approximate and subject to change)

3-3/4"
(7.62 cm)

5-1/2"
(12.7 cm)

12-1/8"
(30.48 cm)

Power consumption chart

		DC Specs	AC Specs
Series	Battery	Voltage	Units dual voltage
LCA-2RHL-ID	Lithium-ion battery	9.6	120-277

Unit rating

Series		AC specs	AC power stand-by
LCA-2RHL	120/277VAC	0.06 / 0.20A	0.5W

Ordering format

Series	Heads
LCA	**-2RHL-ID**= Two round high output LED heads Improved Diagnostics

Example: LCA-2RHL-ID

Lightalarms

Remote Fixture Saf-T-Ray™ Series

Wall mount remote fixture for damp and wet locations

Description
- Indoor or Outdoor use
- Die-Cast aluminum construction
- Fully gasketed cover
- Impact- and tamper-resistant polycarbonate lens

Mounting
- Surface Wall Mount
- Universal J-Box mounting

Lamp type
Choice of MR16 LED lamp voltages and wattages

Approval
- UL 924 Listed
- NEMA-3
- Damp and wet location listed 50°F to 104°F (10°C to 40°C)

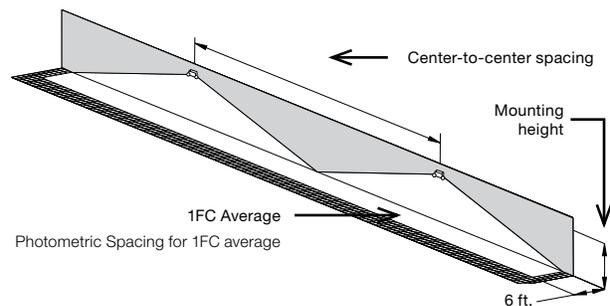**Warranty** (subject to proper installation and maintenance)
Unit: three-year full warranty

Detailed warranty terms located **online at: www.lightalarms.com**

NEMA-3R (UL)

Photometric performance

	Spacing center-to-center (feet)
Lamp	7 feet mounting height
LD7 (clear lens)	28'
LD7 (frosted lens)	16'
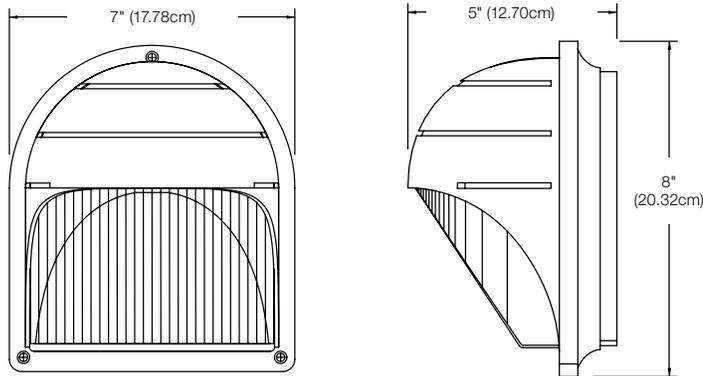
Center-to-center spacing

Mounting height

1FC Average
Photometric Spacing for 1FC average

6 ft.

Dimensions (Dimensions are approximate and subject to change)

Lamp selection chart – MR16 LED lamps

Lamp suffix	Voltage	Wattage	Lumens	Replacement #
LD1	6	4	130	580.0097-L
LD7	12	4	170	580.0093-L
LD9	12	5	340	580.0098-L
LD10	12	6	540	580.0106-L
LD13	24	4	200	580.0104-L
LD25	120	4	200	580.0113-L

Ordering format

Series	Lamp suffix	Color	Voltage	Options
SAF-2= Double lamp remote fixture	/_____[1]	**-M**= Mist white **-B**= Black **-DG**= Dark Gray **-DB**= Dark Bronze	**6**= 6 VDC **12**= 12 VDC **24**= 24 VDC **120**= 120 VAC/VDC	**-VR**= Vandal resistant screws **-C=** Clear lens

Example: SAF-2/LD1-M6

[1]Choose from lamp selection chart

Lightalarms

Remote Fixture Decorative™ Series

Contemporary and enduring style

Description
- Indoor use
- Available as a single, double or triple MR16 LED size lighting head
- Die cast aluminum construction

Finish
Powder-coated off-white, black or brushed nickel

Lamp type
Choice of MR16 LED lamp wattages

Mounting
- Surface Mount
- Must order appropriate housing with decorative head selection for installation into new construction ceiling (LU-GRHR03) or non-insulated ceiling (LU-GRHR05) GU10 or Insulated ceiling (LU-GRHR06)

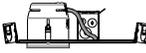### Approval
UL 924 Listed

Warranty (subject to proper installation and maintenance)
Unit: three-year full warranty

Detailed warranty terms located **online at: www.lightalarms.com**

Series

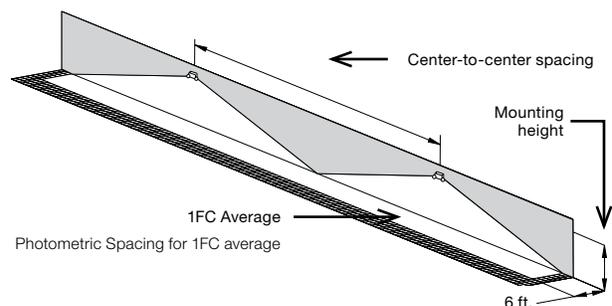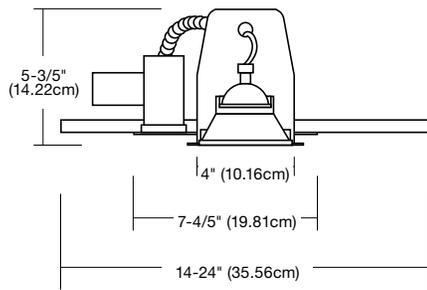|		
	RSTH18R: concave (egress/ regress)	**Description:** Decorative lighting head
		Dimensions: 4.0" diameter base
		Color Suffix: -WH = White or -BN = Brushed Nickel, -BK= Black
	RSTH19: pop-out	**Description:** Decorative lighting head
		Dimensions: 4.0" diameter base
		Color Suffix: -WH = White, -BK= Black
	LU-GRHR03	**Housing Enclosure Description:** New construction housing
		Dimensions: 5.6" x 14.24"
	LU-GRHR05	**Housing Enclosure Description:** New construction housing New construction housing for GU10 (MR16 120V)
	LU-GRHR06	**Housing Enclosure Description:** Insulated ceilings housing
		Dimensions: 7.25" x 14.24"

Photometric performance

	Spacing center-to-center (feet)	
Lamp	**7 feet mounting height**	**15 feet mounting height**
LD1	43'	36'
LD7	55'	43'
LD9	71'	56'
LD10	100'	85'
LD13	56'	44'
LD14	100'	85'
LD26	43'	39'

Center-to-center spacing

Mounting height

1FC Average

Photometric Spacing for 1FC average

6 ft.

Dimensions (Dimensions are approximate and subject to change)

LU-GRHR03
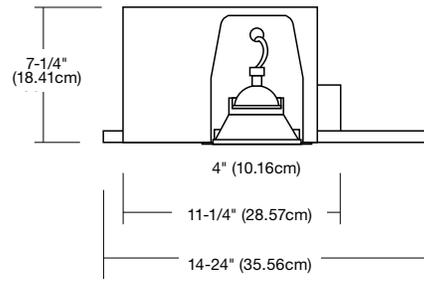
LU-GRHR06

LU-GRHR05

Lamp selection chart – MR16 LED lamps

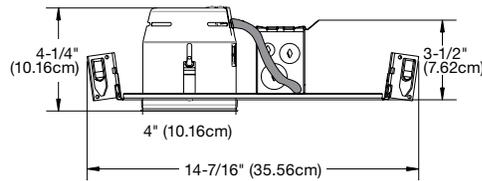| Lamp suffix	Voltage	Wattage	Lumens	Replacement #
LD1	6	4	130	580.0097-L
LD7	12	4	170	580.0093-L
LD9	12	5	340	580.0098-L
LD10	12	6	540	580.0106-L
LD13	24	4	200	580.0104-L
LD14	24	6	590	580.0100-L
LD26	120	4	200	580.0113-L

MR16 LED lamps compatibility chart

Head style	6V-4W	12V-4W	24V-4W	12V-5W	12V-6W	120V 4W	24V-6W
RSTH18R	X	X	X	X	X	X	X
RSTH19	X	X	X	X	X	X	X

Ordering format

Series	Lamp suffix	Color		Voltage
RSTH18R **RSTH19**	/_____¹	**WH**= White **-BK**= Black **-BN**= Brushed nickel (available with RSTH18R only)		**6**= 6 VDC **12**= 12 VDC **24**= 24 VDC **120**= 120 VAC/VDC

Example: RSTH18R/LD9-WH and LU-GRHR03

With Housing Enclosure Example: LU-GRHR06 (for Insulated Ceiling installation)
¹ Choose from lamp selection chart

Remote Head & Unit Head DR Series

Metal MR16 lamp head

Description
• Indoor use
• Powder-coated die cast aluminum construction

Finish
Mist-white or black

Lamp type
Choice of MR16 LED lamp voltages and wattages

Mounting
• Surface mount
• Universal J-Box mounting

Warranty (subject to proper installation and maintenance)
Unit: three-year full warranty

Detailed warranty terms located on **online at: www.lightalarms.com**

Accessories (Order as a separate item)

Description	Product code
Wire Guard for DR1130, DR2130	WG8-L
Wire Guard for DR3130	WG2-L

Ordering format

Series	Lamp suffix	Color
DR1130= Single head **DR2130**= Double head **DR3130**= Triple head	/_____¹	**-WH**= White **-BK**= Black

Example: DR1130/LD12-WH6

¹Choose from lamp selection chart

Dimensions (Dimensions are approximate and subject to change)

DR1130

DR2130   **DR3130**

Photometric performance

Lamp	Spacing center-to-center (feet)	
	7 feet mounting height	15 feet mounting height
LD1	43'	36'
LD7	55'	43'
LD9	71'	56'
LD10	100'	85'
LD13	56'	44'
LD14	100'	85'
LD25	43'	39'

Center-to-center spacing

Mounting height

1FC Average
Photometric Spacing for 1FC average

6 ft.

Lamp selection chart – MR16 LED lamps

Lamp suffix	Voltage	Wattage	Lumens	Replacement #
LD1	6	4	130	580.0097-L
LD7	12	4	170	580.0093-L
LD9	12	5	340	580.0104-L
LD10	12	6	540	580.0106-L
LD13	24	4	200	580.0098-L
LD14	24	4	590	580.0100-L
LD25	120	6	200	580.0010-L

Remote Head & Unit Head ELF3 Series

Thermoplastic MR16 lamp head

Description
- Indoor use
- Available as a single, double or triple head
- Thermoplastic construction
- Snap-out lens for easy lamp replacement

Finish
Mist-white or black

Lamp type
Choice of MR16 LED lamp voltages and wattages

Mounting
- Surface Mount
- Universal J-Box mounting

Approval
UL 924 Listed

Warranty (subject to proper installation and maintenance)
Unit: three-year full warranty

Detailed warranty terms located **online at: www.lightalarms.com**

Lamp selection chart – MR16 LED lamps

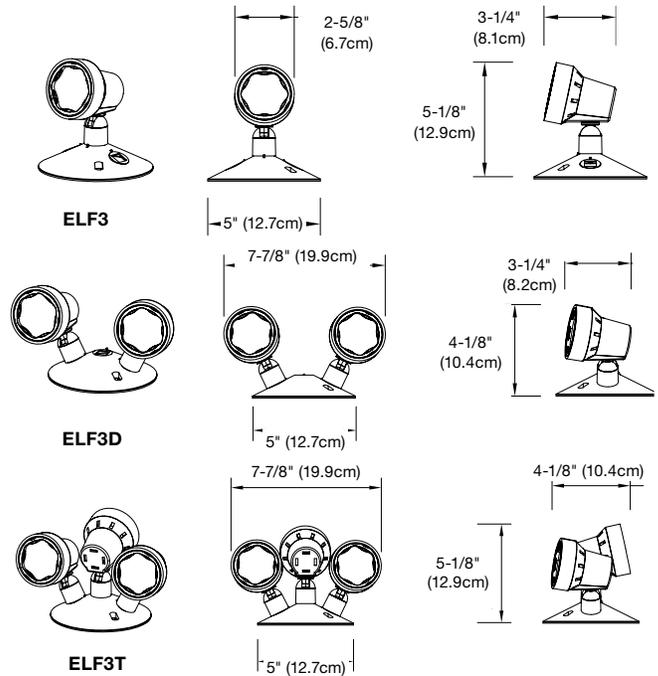| Lamp suffix	Voltage	Wattage	Lumens	Replacement #
LD1	6	4	130	580.0097-L
LD7	12	4	170	580.0093-L
LD9	12	5	340	580.0104-L
LD10	12	6	540	580.0106-L
LD13	24	4	200	580.0098-L
LD14	24	6	590	580.0100-L

Dimensions (Dimensions are approximate and subject to change)

ELF3 — 2-5/8" (6.7cm), 5" (12.7cm), 3-1/4" (8.1cm), 5-1/8" (12.9cm)

ELF3D — 7-7/8" (19.9cm), 5" (12.7cm), 3-1/4" (8.2cm), 4-1/8" (10.4cm)

ELF3T — 7-7/8" (19.9cm), 5" (12.7cm), 4-1/8" (10.4cm), 5-1/8" (12.9cm)

Photometric performance

	Spacing center-to-center (feet)	
Lamp	7 feet mounting height	15 feet mounting height
LD1	43'	36'
LD7	55'	43'
LD9	71'	56'
LD10	100'	85'
LD13	56'	44'
LD14	100'	85'

Center-to-center spacing

Mounting height

1FC Average

Photometric Spacing for 1FC average

6 ft.

Accessories (Order as a separate item)

Description	Product code
Wire Guard	WG8-L

Ordering format

Series	# of heads	Lamp suffix	Color	Voltage
ELF3= MR16 Par18 head	**Blank**= Single head	/_____[1]	**-B**= Black	**6**= 6 VDC
	D= Double heads		**-M**= Mist white	**12**= 12 VDC
Example: ELF3/LD1-B6	**T**= Triple heads			**24**= 24 VDC

[1]Choose from lamp selection chart

Lightalarms

ELF650 Series

ELF650 NEMA-4X & NSF Certified

Description
- ELF650 and ELF650P NEMA-4X and NSF certified indoor or outdoor use
- ELF650 and ELF650P NEMA-4X and NSF certified with choice of fully gasketed cast aluminum or plastic back plate
- ELF650 and ELF650P NEMA-4X and NSF certified comes standard with Phillips head screws and tamper proof screws
- Include clear polycarbonate UV impact resistant cover

Lamp type
Choice of MR16 LED lamp voltages and wattages

Mounting
- Surface mount
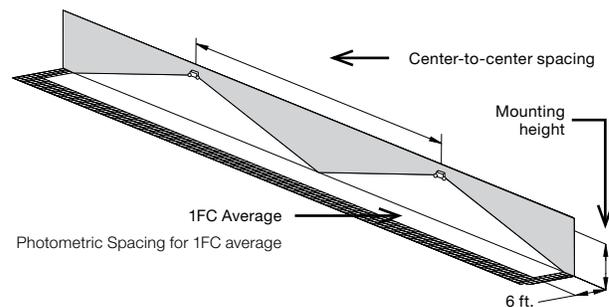- Universal J-Box mounting

Approvals
- UL 924 listed
- Vandal resistant
- NEMA-4X[1]
- NSF Rated

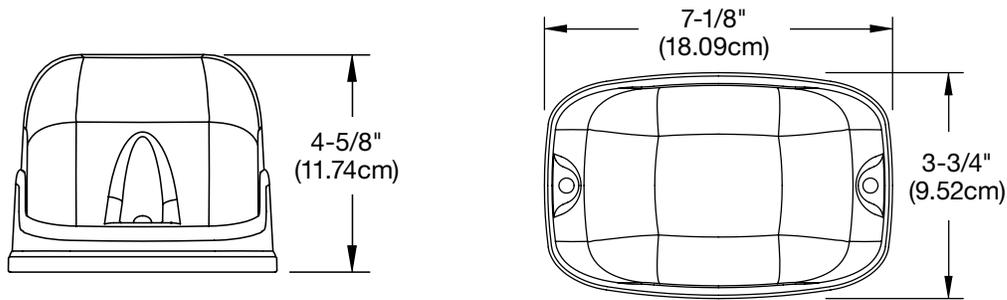### Warranty (subject to proper installation and maintenance)
Unit: five-year full warranty

Detailed warranty terms located **online at: www.lightalarms.com**

[1]NEMA-4X Certified when installed using a circular NEMA-4X rated junction box (sold seperatly by Thomas&Betts under P/N 091647-L)

Photometric performance

Lamp	Spacing center-to-center (feet)	
	7 feet mounting height	15 feet mounting height
LD1	39'	34'
LD7	49'	39'
LD9	68'	54'
LD10	89'	80'
LD13	51'	39'
LD25	43'	39'

Center-to-center spacing

Mounting height

1FC Average

Photometric Spacing for 1FC average

6 ft.

Dimensions (Dimensions are approximate and subject to change)

4-5/8"
(11.74cm)

7-1/8"
(18.09cm)

3-3/4"
(9.52cm)

Lamp selection chart

Lamp suffix	Voltage	Wattage	Lumens	MR 16 LED lamps Replacement #
LD1	6	4	130	580.0097-L
LD7	12	4	170	580.0093-L
LD9	12	5	340	580.0104-L
LD10	12	6	510	580.0106-L
LD13	24	4	200	580.0098-L
LD25	120	4	204	580.0095-L

Ordering format

Series	Lamp suffix	Color	Voltage	Options
ELF650= Die-Cast back plate NEMA-4X and NSF Certified with single head **ELF650D**= Die-Cast back plate NEMA-4X and NSF Certified with double head **ELF650P**= All polycarbonate NEMA-4X and NSF Certified with single head[1] **ELF650PD**= All polycarbonate NEMA 4X and NSF Certified with double head[1]	/_____[1]	**-M**= Mist white **-B**= Black **-G**= Gray	**6**= 6 VDC **12**= 12 VDC **24**= 24 VDC **120**= 120 VDC/VAC	**Blank**= no option

Example: ELF650/LD9-M12

[1] Choose from lamp selection chart

Mini Inverter Series
Interruptible unit equipment standard with non-audible
improved self-diagnostics circuitry

Construction
- 14-gauge steel
- White semi-gloss powered-coat paint finish

Mounting
- Surface mount
- Optional recessed T-bar (125W unit only)

Lamp types operated
- LED
- Incandescent
- Fluorescent
- Operates switched, normally-on or normally-off fixture types, incandescent
- Incandescent, LED, fluorescent lamps and ballast combinations, including triac dimmable ballasts (consult factory if DALI dimming)

Load capacity
- 125W, 250W or 400W
- Line voltage allows for remote mounting of the emergency fixtures at distances up to 1000 feet
- May accept load to it's full capacity when load feature power factor of 0.9 for 250W model and 0.8 for 125 and 400W models

Electronics
- High-efficiency pure sine wave inverter at 250W capacity or higher
- Temperature compensated charger
- Replaceable output fuse protection
- Low battery voltage disconnect
- Unit comes standard with electronic lockout and brownout circuits

Controls
- Standard with a **non-audible Improved diagnostic & self test**/charger is fully self-contained, fully automatic microcontrollerbased system
- Optional **audible auto diagnostic** available
- Optional **Non-Imporved Diagnostics Diagnostics** available
- **Non-Improved Diagnostics** option for applications with emergency power controls
- Standard lighting control override for 0-10V dimming systems

Nexus® Option
- Units equipped with Nexus® self-testing monitoring system circuitry shall selftest, in accordance with NFPA101, Life Safety Code minimum 30 seconds every 30 days, 30 minutes every six months and 90 minutes annually as well as keep a history of all testing logs, plus feature a real-time diagnoses, as well as, be able to locate exact fixture location while notifying service personnel to the status of the fixture via email notification. Nexus® system interface with an improved minimum load lost detection of 10%

Sealed maintenance-free battery
- 12V oversized valve regulated lead-calcium (VRLA) battery
- Provides 90 minutes of emergency operation

Power requirements
- Choice of voltage 120V in/120V out or 277V in/277V out operation, 60Hz

Approvals
- UL 924 Standard
- Meets or exceeds all National Electric Code and Life Safety Code Emergency Lighting Requirements
- BC – California Energy Commission Title 20

Warranty (subject to proper installation and maintenance)
- Battery has a 3-year full, plus 7-year pro-rata warranty
- Unit has a three-year warranty

Detailed warranty terms located **online at: www.lightalarms.com**

nexus® (UL) (BC)

Replacement battery

Series	Part number
LMIU-125	860.0024-L
LMIU-250	2X 860.0024-L
LMIU-400	2X 860.0043-L

Specifications

Transfer time	Voltage regulation on emergency	Frequency regulation on emergency	Load power factor range	Operating temperature
Less than 1 second	+/- 3%	60 Hz +/- 1%	250W model: 0.9 leading to 0.9 lagging	68°F to 86°F (20° to 30°C)
–	–	–	125, & 400 models: 0.8 leading to 0.8 lagging	–

Electrical characteristics and dimensions

Power rating	Sine wave	Installation	Cabinet dimensions			Number of battery	Weight	Weight w/o battery
			W"	H"	D"		120V & 277V	120V & 277V
125W	Modified	T-Bar	24"	6.5"	8"	1	43 lbs	20 lbs
125W	Modified	Wall	16.5"	12.2"	7.3"	1	41 lbs	18.5 lbs
250W	Pure	Wall	27"	12.2"	7.3"	2	76 lbs	30 lbs
400W	Pure	Wall	24"	20"	10.5"	2	128 lbs	50 lbs

Note: For wiring diagram, please refer to instruction sheets.

Power consumption and unit rating

Model number		Ac specs	Emergency power available for load			
			90 minutes	2H	3H	4H
LMIU-125	120 / 277VAC	1.15 / 0.50 Amps	125W	83W	62W	47W
LMIU-250	120 / 277VAC	2.28 / 0.99 Amps	250W	167W	125W	94W
LMIU-400	120 / 277VAC	3.73 / 1.62 Amps	400W	300W	200W	150W

Ordering format

Series	Capacity	Voltage in/out	Diagnostic feature	Options	Approval
LMIU	-125= 125W -250= 250W -400= 400W	Blank= 120/120VAC or 277/277VAC	Blank= Includes improved self-diagnostics (non-audible)[1] -ID= Improved self-diagnostics (audible)[1] -NID= No self-test/Self-diagnostic -NEX= Nexus® wired -NEXRF= Nexus® wireless	-D3= Time delay (15 minutes) -SAC= Service alarm contact[2] -T= Recessed T-Bar mounting (125W unit only)	-CEC= CEC Title 20 for California

Example: LMIU-400-CEC

[1] Minimum load required: 10% of unit capacity
[2] Service alarm contact (SAC) shall provide a 24V signal, the charger board will indicate a fault by choosing a contact. Not available with 720 capacity

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Notes

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Inside Sales | Customer Support
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Technical Support
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lightalarms.com

by ABB