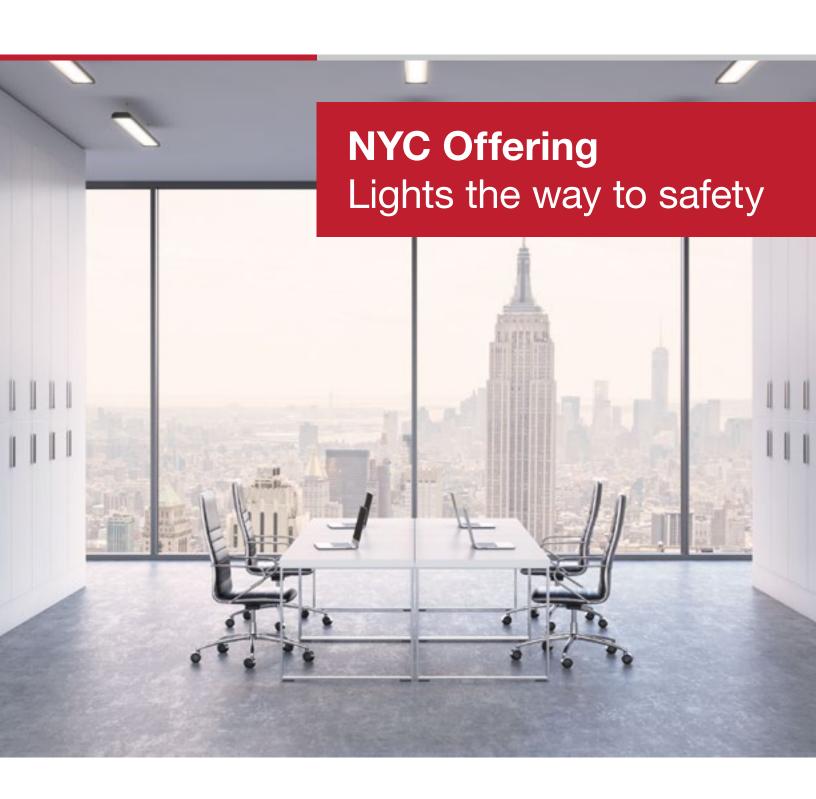
Lightalarms







Meet demanding North American safety standards with Lightalarms®

With life safety equipment, accept no compromises.

Lightalarms® products are designed, manufactured and tested to extremely high standards in our North American facility. Our complete range of emergency lighting meets specifications for new construction and retrofit projects. We ensure that our products have been tested to meet the requirements of the latest codes:

- NFPA 101 Life Safety Code
- NFPA 70 NEC
- OSHA
- UL
- New York City

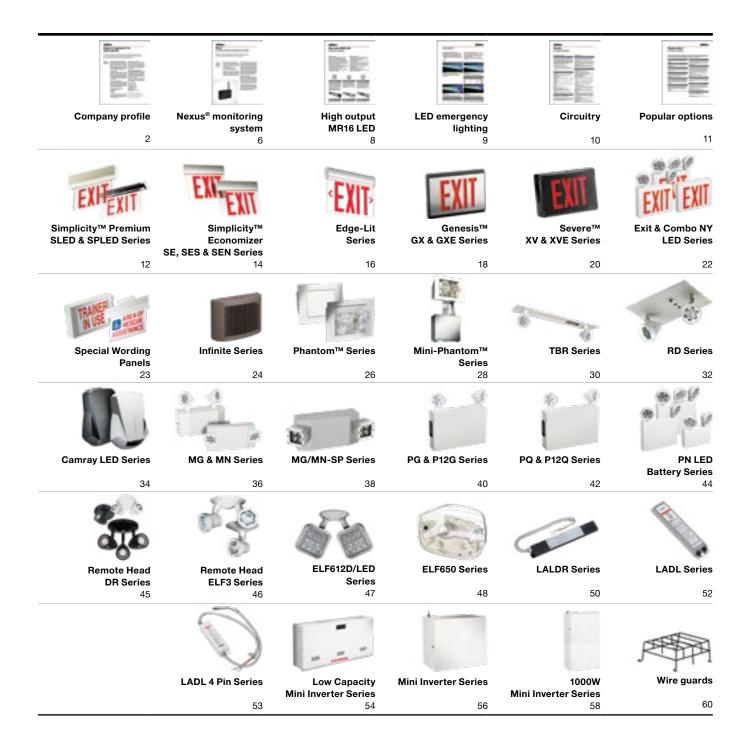
Energy-efficient solutions backed by knowledgeable service

The experienced Lightalarms® service team works with you as your partners. You can count on our proven, trusted, innovative solutions, plus reliability and industry expertise.

1



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Lightalarms Depend on Lightalarms® for safety expertise

The experts at our state-of-the-art North American manufacturing center are at your service. The Lightalarms® Global Emergency Lighting Research & Innovation Center in Canada is part of the ABB Group, a pioneering technology leader.

Since 2001, the Lightalarms® manufacturing facility has been ISO 1400 & OHSAS 18001 compliant.

Highly skilled emergency lighting specialists

By partnering with Lightalarms®, you have access to our team of specialists with proven expertise in the emergency lighting industry. Our mechanical, electrical and software engineers and product designers work together under one roof. The team synergy and collaboration at our manufacturing center gives us unparalleled capabilities in design, innovation, quality, final assembly, testing, and service.

Long-term reliability

Lightalarms® products are built to last, with quality, safety, reliability, and ease of installation built into each product from the earliest design stage. We use specialized quality inspection capabilities to perform functional testing on Lightalarms® products. By meeting high internal quality and performance standards at every step from design to production to order fulfillment, we ensure excellence.

We are innovators and builders

As part of Thomas & Betts, a member of the ABB Group, our center of excellence benefits from frequent investment in the latest manufacturing technology. Automation is integrated throughout our manufacturing operations, optimizing efficiency to produce thousands of precision final assemblies each day.

Custom, flexible solutions meet your specialized requirements

- Architectural
- Industrial
- Commercial

We have the design expertise and capacity to create solution-based products that meet your needs. Our experts take great pride in developing products that solve challenging problems.

Fast delivery for express service

We keep ready-to-ship stock in warehouses across the U.S. for express service. As a North American manufacturer, we have complete control over lead time, quality, and service. Our manufacturing team of over 150 people is ready to produce exactly what you need without waiting for a large production run or overseas shipment.

Energy-efficient, innovative solutions

The Lightalarms® product design team is at the forefront of new lighting design applications. We've expanded our capabilities to transform your existing lighting into emergency lighting with our newest high-capacity mini inverters. With the low energy requirements of our highperformance LED fixtures you can use fewer units to provide necessary illumination.

We put the power of automation in your hands with our Nexus® emergency lighting management system. From one central location, you can see the status of every unit at a glance.

A partner you can trust

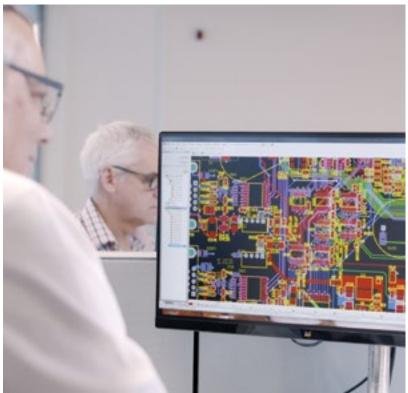
With Lightalarms®, you have

- Proven safety solutions
- A reliable business partner
- Industry experts
- Knowledgeable service
- North American manufacturing
- · Peace of mind

To ensure your satisfaction, our knowledgeable North American service team works with you as your emergency lighting partners

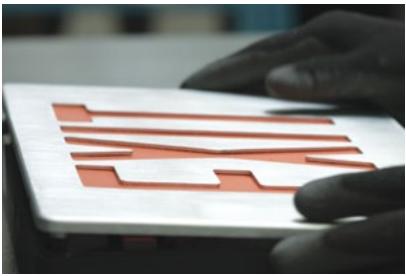
Lightalarms





Our North American facility is an emergency lighting center of excellence thanks to the commitment, expertise, and creativity of every employee.





The new AOI (automated optical inspection) machine added to our printed circuit board operation in 2012 is one of the first of its kind in use in North America.



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.

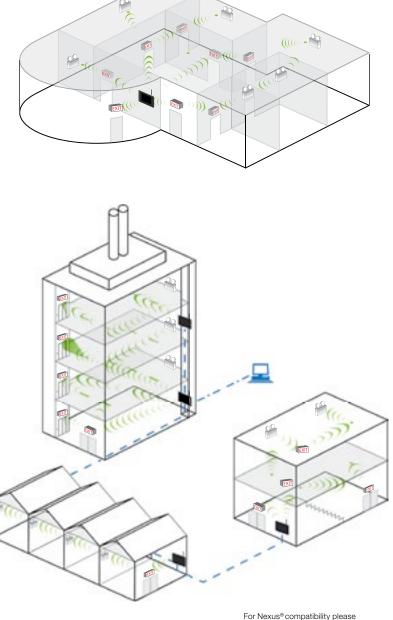
Small system example

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.



refer to individual product pages for complete details.



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.



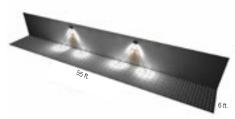
340-Lumen 5W MR16 LED

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.



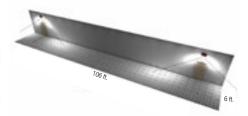
55-ft. Path of egress 2 X 4W MR16 LED

Based on an average of 1 foot candle



70-ft. Path of egress

Based on an average of 1 foot candle



106-ft. Path of egress

Based on an average of 1 foot candle



High output MR16 LED

Emergency lighting

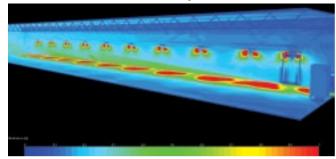
Case Study: Fewer MR16 LED units required

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.

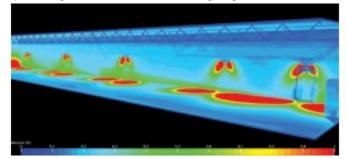
Compare

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.



Standard wedge-base 9W incandescent lamp

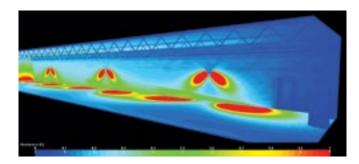
Standard Emergency Lighting Units with 9W wedge-base incandescent lamps requires a total of 10 double-head units or remotes



4W MR16 LED lamps

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

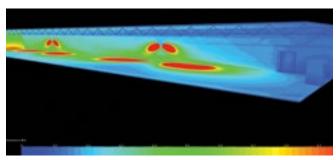
MR 16 LED LAMPS						
Lamp suffix	Voltage	Wattage	Lumens	Replacement number		
LD1	6	4	199	580.0097-L		
LD7	12	4	220	580.0093-L		
LD13	24	4	220	580.0098-L		
LD14	24	6	590	580.0100-L		
LD25	120	4	204	580.0095-L		



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		



Emergency lighting

Improved Diagnostics Circuitry

Self-Testing & Monitoring Diagnostic Circuitry

By incorporating diagnostics features with a high-powered 8-bit microcontroller, our Improved Diagnostics system ensures unsurpassed reliability in one, totally contained system. In the event of a unit malfunction, the Improved Diagnostics system produces an audible warning in the form of an intermittent beep and the LED indicator associated with the fault will illuminate continuously. When the problem is acknowledged by depressing the alarm/silence/test button, the alarm is silenced and the LED indicator changes to a flashing mode until the problem is corrected. Continually monitors system parameters

- · Incorporates state-of-the-art microcontroller technology
- D includes audio and visual service alarms
- DNA non-audible version for visual service alarms only
- Self-testing in accordance with NFPA101, Life Safety Code minimum 30 seconds every 30 days, 30 minutes every six months and 90 minutes annually.

Features

Battery Failure

(Red) Illuminates if the battery is shorted or battery voltage drops below preset value. Will also detect incorrect battery (ie. 6VDC vs. 12VDC)

Battery Disconnect

(Red) Illuminates if the battery circuit is open.

Charger Failure

(Red) Illuminates when charger is not functioning properly by monitoring the charger current.

Lamp Failure

(Red) Illuminates when one or more emergency lamps fail. Also monitors remote lamps.

(Red) Illuminates when a fault is detected that requires a qualified service technician.

AC-On

(Green) Lit when line voltage is present.

Charger On

(Amber) Illuminates when charger is recharging the battery.

Alarm Silence / Manual Test Switch

Button is used to acknowledge and silence audible alarms. Also functions as a manual test switch to simulate a power failure.

Unit tests itself every thirty days for a minimum 30 seconds, thirty minutes on the sixth month and ninety minutes annually.

To Order for Compatible Unit

Add Suffix: -ID (for audible circuit) to model number Add Suffix: -IDNA (for non-audible circuit) to model number

Improved diagnostics (ID or IDNA) includes a Time Delay function, if needed it can be enabled/disabled in the field (15 min) or it can be preset at the factory by including the suffix ID-TD* or IDNA-TD*

Pulse Type Circuitry

Prolongs the life of a battery through pulse charging

Lightalarms® PulseType circuitry utilizes the latest in solid state design to provide a technically advanced charger combined with features and functions that promote long reliable battery life and excellent unit performance.

The design of the PulseType circuit takes into account the long periods of inactivity typical of standby emergency equipment. Batteries are kept at full capacity by a pulse charge that allows the battery to cycle continuously. This greatly reduces the problem of grid corrosion and dramatically increases battery performance.

Lightalarms® computer-tests all active components on the circuit boards during assembly. Critical functions such as brownout, low voltage disconnect, and charge voltage are individually monitored and adjusted at the factory.

Features

120/277V Input

Capability to operate with 120Vor 277V input.

Fused Output Circuit for Units with Remote Capacity

Emergency units up to 54W have a single fused output circuit. Units over 54W have two fused output circuits supplied standard.

Dual Diagnostic Indicator Lights

Dual indicators, red and amber continuously monitor the condition of the battery, charge circuit and presence of AC.

Temperature Compensation

- · At high ambient temperatures, batteries need less charge voltage to recharge
- · At cold temperatures, batteries require a higher charge to maintain full capacity.
- The PulseType charger automatically adjusts the charge voltage to precisely what the batteries require at a given temperature.

Sealed Relay

- · Sealed relay protects against environmental contaminants.
- Low Voltage Battery Disconnect
- The lighting load is disconnected from the battery at 87.5% of nominal battery voltage. This prevents deep discharge damage to the battery.

Brownout Protection

Emergency lamps energized when AC voltage falls to approx. 80% of nominal voltage, the level at which most fluorescent and HID fixtures

Battery Lockout

This labor saving feature prevents the battery from discharging when the unit is installed to a non-energized circuit. The battery is electronically locked out until the unit is energized with AC power. Contractors do not have to return to a job site to connect batteries when the building's main power is turned on. They can install the unit and connect the battery in one convenient operation.

Reverse Polarity Protection

A polarized plug is used to connect the battery to the circuit board, thus preventing damage from occurring to the system.

Current Limited Output

Extends battery life by preventing overheating and battery gassing during recharge.



Popular options

Emergency lighting

Lightalarms® Emergency Lighting Units and Exit Signs are available with a range of options that can be added to enhance performance, simplify testing or adapt emergency battery units or exit signs for use in specific environments. Please refer to individual product pages to verify availability of individual options on specific equipment.

Dual Circuit (Exit Signs)

Option provides two AC input circuits to permit 2 separate AC sources to energize the sign.

Add Suffix: -2

Tamper Proof/Vandal Resistant Screws

Tamper proof screws may be used on certain units to avoid unauthorized entry to circuitry or vandalism.

Add Suffix: -VR

Lamp Disconnect Switch

Option will disconnect lamp load when area is not in use during prolonged power failure. The switch may also be used to reactivate emergency power to remote or unit heads.

Add Suffix: -DS-41

Flasher

The flasher option is used within Exit Signs to draw additional attention to the exit discharge area. When there is an emergency situation, the exit legend will illuminate as well as begin to flash thus drawing additional attention to the Exit Sign leading to a exit discharge.

Add Suffix: -FL

Flasher/Buzzer

The flasher/buzzer option is used within Exit Signs to draw additional attention to the exit discharge area. When there is an emergency situation, the exit legend will illuminate as well as begin to flash and admit an audible buzzer thus drawing additional attention to the Exit Sign leading to a exit discharge.

Add Suffix: -FB

Fire Alarm Activated Flasher

Fire Alarm Activated Flasher option is for an Exit Sign that is wired into the Fire Alarm system of a building via 24 volt wire. When the fire alarm is activated the exit legend will flash to draw additional attention to the exit discharge area. This flashing option will only activate when the fire system is activated.

Add Suffix: -FAF

Fire Alarm activated Flasher/Buzzer

Fire Alarm activated Flasher/Buzzer option is for an Exit Sign that is wired into the Fire Alarm system of a building via 24 volt wire. When the fire alarm is activated, the exit legend will flash and the Exit Sign will buzz to draw additional attention to the exit discharge area. This option will only activate when the fire system is activated.

Add Suffix: -FBF

Time Delay

Option is designed to be used in areas where HID type lamps are used for normal lighting. As these lamps require several minutes to re-strike and to produce their nominal lighting output, it is necessary to also hold the emergency lighting on for this period, even after the AC utility has been restored. A time delay unit can be helpful in areas where it is difficult to directly access an emergency lighting unit's test switch. The power to the unit can be briefly switched off and on at the breaker panel, and the maintenance person can then return to the unit and observe a timed emergency operation.

Add Suffix: -T3 (15 minutes) Option provides two AC input circuits to permit 2 separate AC sources to energize the sign.

Add Suffix: -2

Damp Location

Option for environments that are subject to moderate amounts of moisture (humidity), and a temperature range between 10°C (50°F) and 40°C (104°F). Example: partially protected exterior areas such as canopies, stairwells, etc.

Add Suffix: -DL

Improved Diagnostic Circuitry (for exit signs)

Option is designed to continuously monitor the charger assembly, battery and LED assembly current. If a fault is indicated, the external service required indicator will illuminate. The diagnostic/self test will self test for minimum 30 seconds every 30 days, 30 minutes every six months and 90 minutes annually. Meets NFPA 101 Life Safety Code requirements for periodic testing.

Improved Diagnostic (Audible) Add Suffix: -ID
Improved Diagnostic (Non-Audible) Add Suffix: -IDNA

Improved Diagnostic Circuitry (for battery units)

Improved Diagnostic (Audible) Add Suffix: -ID
Improved Diagnostic (Non-Audible) Add Suffix: -IDNA

For complete details refer to page 8.



Simplicity[™] Premium SLED & SPLED Series

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



Designed for elegant interiors, this premium die-cast aluminum exit sign uses a modular design for mounting flexibility. Clear acrylic legend panel features laser-etched 6" or 8" letters and chevrons; special wording available.

Construction

- Universal mount housing models use (D) dome and (P) pyramid, trim plate, trim ring and canopy made of die-cast
- 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



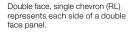






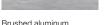
chevron (1D) double face, double chevron (2D)





Housing color







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

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

Dark bronze





(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)

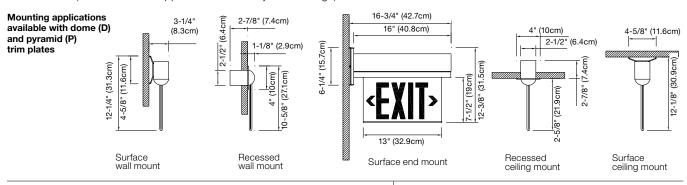


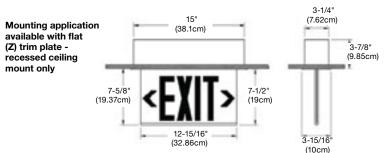




Polished chrome







When using (D) Dome Trim or (P) pyramid models: For Recessed mount, use these components Canopy Housing Trim ring Trim plate Fanel

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 SPLEDN = Self-power	.4W) W = White B = Black ed DB = Dark bronze (painted) PB = Polishe brass CH = Polishe chrome	G = Green d	C = Clear (single face only) W = White (single or double face) M = Mirror (single or double face)	D = Dome ² P = Pyramid ² Z = Flat trim ³	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 = No option -FAF = Fire alarm flasher (SP only) -FB = Flasher & buzzer (SP only) -LP = Panel shipped separately -X = Back box shipped separate

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)



Simplicity[™] Economizer SE, SES & SEN Series

Surface or recessed mount edge-lit exit sign





For design-sensitive public spaces, these elegant edge-lit exit signs complement modern décor. Available in AC-only, AC/DC and self-powered models.

In high visibility areas, the Simplicity™ Economizer Series Exit signs provide elegant designer details including a clear acrylic panel, recessed ceiling mount design, and brushed aluminum trim plate.

Construction

- Recessed model steel housing with extruded aluminum trim plate
- Surface mount model extruded aluminum housing
- Panel features a curved contour for maximum illumination
- 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

- 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

Housing color









Off white

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

Warranty (subject to proper installation and maintenance)

Five-year limited warranty

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

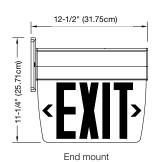


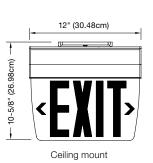


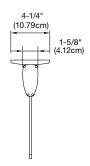


Surface mount

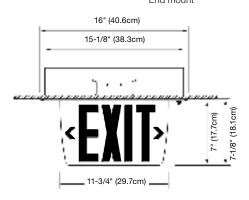


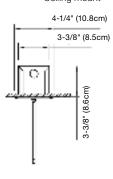






Recessed ceiling mount only (F) flat trim plate





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 Example: SEFOWRC1	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

¹Green on white not available.

² Single face only.

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

Example: 8SEFOWRC1

³ Single face only.



Edge-Lit Series

8" edge-lit exit sign



Ideal for areas with limited space, the Edge-Lit exit sign has a pivoting panel design for universal mounting: surface, recessed or end-mount. High-performance, low power consumption LEDs provide illumination.

Construction

Extruded aluminum housing

- Impact resistant thermoplastic plastic end caps and canopy
- High grade acrylic panel
- 8 inch EXIT lettering legend, available in red

Universal mount model

- Single face acrylic panel with clear background, double face acrylic panel with mirror background
 Pivoting panel design allows for recessed surface, wall or ceiling mount installation
- A ratcheting mechanism allows the panel to be set in place from 0° to 180° for wall or sloped ceiling mounting
- Canopy included for surface wall, end or ceiling mount application
- Trim plate, 27 inch adjustable T-bar hangers and a junction box included for recessed application

Finishes

- Satin aluminum housing
- Gray end caps and canopy
- Comes with red on clear for single face and red on mirror for double face panel

Chevrons

• (4) Factory installed translucent chevrons, allowing for easy peel-off removal as required

LEDs

• Red long life light emitting diodes (LED) illumination

Self-diagnostics

• Not available

Special wording panels

• Not available

Approvals

- Listed to UL 924 Standards
- UL Listed for damp location (32°F to 104°F, 0°C to 40°C)
- Meets, NFPA101, (Life Safety Code) NFPA 70 NEC and OSHA illumination Standards

Warranty (subject to proper installation and maintenance)

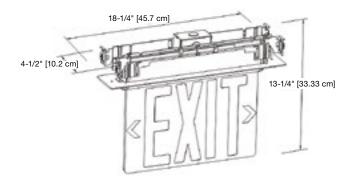
• Three-year full warranty

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









Power consumption chart

Model	AC specs	DC specs
Red self-powered	120VAC, 60Hz (2.0-2.6W)	Ni-Cd battery (Min. 90 mins)
	277VAC, 60Hz (2.6-3.1W)	Ni-Cd battery (Min. 90 mins)

Ordering format

Legend	Series	Housing color	Legend color	Face
8= 8" Exit with universal chevrons	UEN= Self-Powered	AG= Brushed aluminum and gray end cap	RCM= Single red on clear Double red on mirror	3= Universal faces
Example: 8UENAGRCM3				



Genesis[™] GX & GXE Series

Die-cast aluminum LED exit sign



For bold visual performance, the die-cast aluminum Exit sign faceplate is available in a range of finishes with a red or green legend.

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

Warranty (subject to proper installation and maintenance)

Five-year limited warranty

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









Ni-Cd battery (Minimum of 90 minutes)

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)

Frame/Face plate color







120 to 347VAC, 50/60Hz (2.9W)



Dark bronze

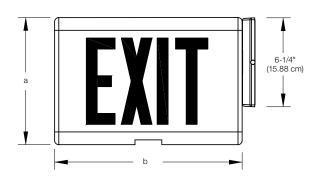
Brushed aluminum

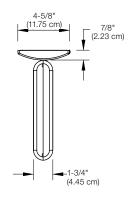
Self-powered

Black

White







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

Lattava	Dimension A	Dimension B
Letters 6" (15.24 cm)	8-7/8" (22.54 cm)	Dimension B 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® wired² (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)	-N³

Example: GXEARA-N

¹ Available with self-powered GXE exit only

² NEX is CSA-US approved only

³ Include on 6" models



Severe[™] XV & XVE Series

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



State-of-the-art NEMA-4X rated emergency illumination in a visually appealing package.

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

Warranty (subject to proper installation and maintenance)

Five-year limited warranty

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

nexus

NEMA-4X

NSF.





Housing/Face color



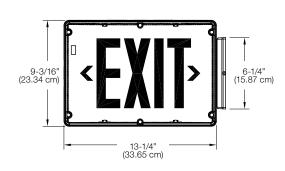


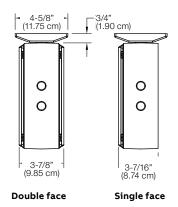




Aluminum







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 -DA= Improved Diagnostics (audible) -NEX= Nexus® wired¹ (contact your sales representative) -NEXRF= Nexus®	-4X= NEMA-4X housing ²	Blank= No options -2= Dual Circuit (120/120 or 277/277AC only)³ -DC= AC/DC 6V to 24VDC³ -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
				wireless¹ (contact your sales representative)		

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

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



Exit & Combo NY LED Series



Self-powered exit and combination LED units with 8" exit legend

Housing

- Heavy duty steel case with white powder-coat finish
- Stencil face has 8" high letters and universal knock out chevrons
- Plastic lamp housing with rated 5VA flame retardant

Mounting

- Exit sign can be ceiling, end or wall mounted
- Combination units can be wall mounted

Lamp type

- 3 (1W) LED lamps, 100 lumens per lamp in combination heads
- LED Exit Legend illumination

Electronics

- 120V/277V operation standard
- Universal 120/277 VAC transformer required

Long life maintenance-free batteries

• Nickel-cadmium battery

Approvals

- UL 924 standards
- Complies with NEC, Life Safety Code and OSHA
- Suitable for damp location

Warranty (subject to proper installation and maintenance)

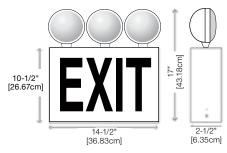
- Unit has a three year full warranty (excluding lamps and pilot lights)
- Nickel-cadmium battery has a five year full, plus five year pro-rata warranty

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

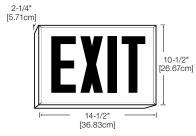




Dimensions (Dimensions are approximate and subject to change):



8NYC_2/3_LED



8NYE_W_R_N

Ordering format

Series Wattage

8NYE-W-R-N8" Exit self-powered, white with red legend **8NYC-2/3-LED-N**8" Combo 2/3 heads, white red legend

Example: 8NYC-2/3-LED



Special wording panels

Customized special wording panels available for use in our exit signs and combination units



Features

- The same sturdy construction and electrical design used in our exit signs and combination units, is used to produce our custom-worded, illuminated signage
- Sign bodies: steel, extruded and die-cast aluminum, weatherproof, flameretardant polycarbonate, high impact thermoplastic, recessed housing
- Custom wording: any style of lettering, any language, any alphabet, any special characters
- Graphics: logos, standard symbols, custom art
- · Color choices: sign bodies, message, faceplate panel
- Contact your local Lightalarms[®] representative to discuss your specific requirements

Custom signage panels are available for use in the following series:

- Simplicity™ Premium Series
- Simplicity[™] Economizer Series
- Genesis[™] GX, GXE Series

Note: Shown are only a few examples of special wording panels that we have produced. Many more panels are available to meet any customized order.



FIRE DO NOT ENTER



IN USE

ELEVATOR

DANGER

NO SMOKING

HELP

DARKROOM IN USE

NOT AN EXIT

OCCUPIED

STAIRS

LADIES

X-RAY IN USE

INTERVIEW IN PROGRESS

TRAINER IN USE







Infinite Series

Low profile LED emergency lighting



A versatile low-profile emergency lighting unit NEMA-3R rated for indoor/outdoor and wet location use. Attractive die-cast aluminum housing comes standard in a dark bronze color finish

Housing

- Indoor/outdoor suitable for wet location
- Die-cast aluminum housing
- UV-resistant (3" x 1.5") polycarbonate lens

Mounting

- Wall or ceiling mount
- 1/2" rigid conduit top entry
- Universal J-box mounting

Lamp type

- 1600 lumens in AC mode 600 Lumens in emergency mode
- Color temperature: 5000K
- Dual-mode operation: normal and emergency LED lighting with separate AC inputs

Electronics

- Pulse plus charger
- Low voltage disconnect
- Automatic brownout protection
- Battery lock-out
- Fused output circuit
- 120/277 60Hz
- AC unit rated for -13°F to 122°F (-25°C to 50°C)
- Dual mode unit rated for 5°F to 122°F (-15°C to 50°C)

Photometric performance

	Spacing center-to-center (feet)
Mounting height	Distance
7.5'	50'
10'	63'

Approvals

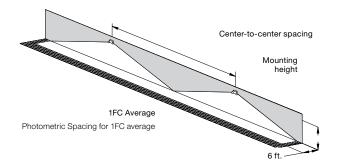
- UL 924 listed
- NEMA-3R rated for indoor/outdoors cold-weather wet and damp locations
- Meets all NFPA 70, NFPA 101 life safety codes

Warranty (subject to proper installation and maintenance)

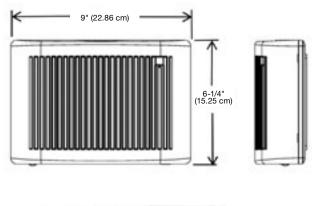
Unit: three-year full warranty

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











Power consumption chart

	DC specs		AC specs
Series	Battery	Voltage	Units dual voltage
AC	-	-	120/277
ACSD	Nickel-Cadmium	7.2V	120/277

Ordering format

Series	Head style / Lamp type	Color	Options	
INF= Infinite	AC= AC only ACSD= Dual-mode	DB = Dark bronze	-CW = Cold weather¹	

Example: INFACSDDB

¹Available on the ACSD



Phantom[™] Series

The unseen solution 12V up to 100w capacities – generator capable



Designed for architectural applications, the Phantom[™] Series stays hidden until needed. In normal conditions (stand-by) the emergency light is concealed in the wall or ceiling. In case of power failure, the door of the unit rotates open 180° and exposes the emergency light. When main power returns or at the end of the discharge period, the light turns off and the door rotates closed automatically.

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 mount into ceiling or wall with cavities
- Hanger bars included for lay-in installation in T-bar grid
- Can be installed on the wall stud or ceiling beam with simple,
 U-shape bracket
- Head assembly includes keyhole slot and quick-connect plugs for easy installation

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

Warranty (subject to proper installation and maintenance)

Unit: five-year limited warranty

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

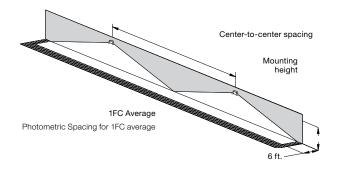






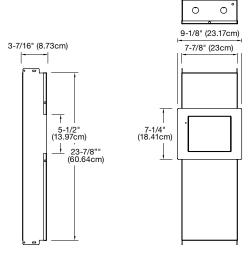
Photometric performance

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





Charger and battery compartment: For use in walls or ceilings with a cavity, not for use in block walls or solid ceilings.



Power consumption chart

					D	C specs					AC specs
				Battery	capacity (i	n watts)	Units dual –		Current		Power
Series	Battery	Voltage	90 Mins	2 Hrs	3 Hrs	4 Hrs	voltage ¹	Maximum	Stand by	Maximum	Stand by
PHM40	Lead-calcium	12V	40	30	24	12					
PHM70	Lead-calcium	12V	70	50	40	24					
PHM100	Lead-calcium	12V	100	70	50	40	120VAC	0.25A	0.10A	30W	11W
PHN40	Nickel-cadmium	12V	40	30	24	12	277VAC	0.12A	0.05A	30W	11W
PHN70	Nickel-cadmium	12V	70	50	40	24					
PHN100	Nickel-cadmium	12V	100	70	50	40					

¹Stand-by power consumption is 50% lower for lead-calcium batteries

Accessories (Order as a separate item)

Description	Product code
Remote test switch (metal faceplate)	PSW
Remote test switch (plastic faceplate)	PSW-1

Ordering format

Series	Battery	Capacity	Number of heads	Lamp type		Options
PH= Battery unit	M = Lead-calcium N = Nickel-cadmium	40 = 12V-40W 70 = 12V-70W 100 = 12V-100W	-2= Two lamps	MR16 LED (LD7)= 12V-4W (LD9)= 12V-5W (LD10)= 12V-6W	MR16 halogen high output (50H)= 12V-50W	Blank= No options ID= Improved Diagnostics (audible)¹ IDNA= Improved Diagnostics
Examp	ole: PHM100-2LD7					A - Back box shipped separate

¹⁻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*

Note: For complete 12V MR16 lamp information refer to page 114 Remote Fixture, Phantom™ Series, Lamp Selection Chart

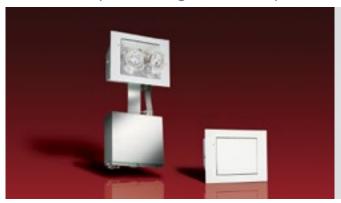
Series	Input voltage	Number of heads	Lamp type	Options
PHG= Generator unit	1 = 120VAC, 60Hz 2 = 277VAC, 60Hz	-2= Two lamps	MR16 LED (LD7)= 12V-4W (LD9)= 12V-5W	DL = Damp location X = Back box shipped seperately
Example: PHG1-2I	LD7		(LD10) = 12V-6W	

² -DL option not available with PHN100 unit



Mini-Phantom[™] Series

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



Specially designed for retrofit use in a finished wall with cavity; designed for installation into an 8-1/4" by 5-3/4" opening. In normal conditions (stand-by) the Phantom™ series emergency light is concealed in the wall or ceiling. In case of power failure, the door of the unit rotates open 180° and exposes the emergency light. When main power returns or at the end of the discharge period, the light turns off and the door rotates closed automatically.

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

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

Warranty (subject to proper installation and maintenance)

Unit: five-year limited warranty

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

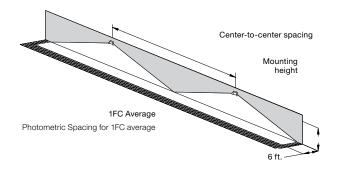




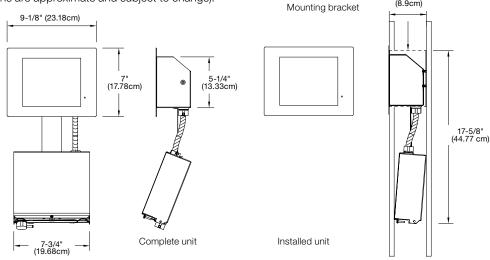


Photometric performance

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







Power consumption chart

	DC specs									AC specs	
				Battery	capacity (i	n watts)	Units dual –		Current		Power
Series	Battery	Voltage	90 Mins	2 Hrs	3 Hrs	4 Hrs	voltage1	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

¹ Stand-by power consumption is 50% lower for lead-calcium batteries

Accessories (Order as a separate item)

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

Ordering format - Battery unit

Series	Battery	Capacity	Number of heads	Lamp type	Options
МРН	M = Lead-calcium N = Nickel-cadmium	40 = 12V-40W	-2= Two lamps	MR16 LED (LD7)= 12V-4W (LD9)= 12V-5W (LD10)= 12V-6W	Blank= No options ID= Improved Diagnostics (audible)¹ IDNA= Improved Diagnostics (non audible)¹ T3= Time delay (15 minute)
Example:	MPHM40-2(LD7)DL				DL = Damp location ²

¹⁻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* 2 Available on all models except lead-calcium

Ordering format - Generator

Series	Input voltage	Number of heads	Lamp type	Options
MPHG= Generator unit	1 = 120VAC, 60Hz 2 = 277VAC, 60Hz	-2= Two lamps	MR16 LED (LD7)= 12V-4W (LD9)= 12V-5W (LD10)= 12V-6W	DL = Damp location
Example: MPHG1-2(L	.D7)DL			



TBR Series

Recessed steel housing 6V up to 81W, 12V up to 110W, 24V up to 110W capacities



This emergency light has a fully recessed housing that blends in for architectural unity. Provides wide center-to-center spacing of up to 100 feet at a 7-foot mounting height using LJ lamps.

> Available head style choices: Head style suffix:

/E3

DR130

/D1

Housing

- Steel housing
- Standard off-white finish, optional black finish
- Lighting heads, available in thermoplastic or decorative die-cast aluminum
- Choice of MR16 LED lamp wattages

Mounting

- Fully recessed ceiling
- Hanger bars included for lay-in installation in t-bar grid

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 sealed maintenance-free battery

- 6V, 12 or 24V lead-calcium battery
- 6V or 12V nickel-cadmium battery

Approval

- UL 924 listed
- New York City Approved

Warranty (subject to proper installation and maintenance)

Unit: five-year limited warranty

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

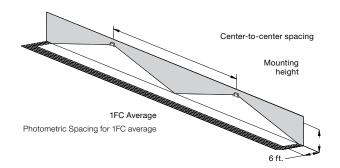




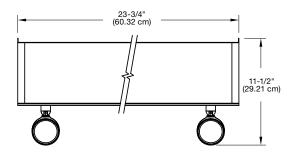


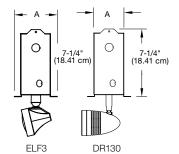
Photometric performance

	Spa	cing 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'









Cabinet dimensions

Units	Cabinet	А
54W and under	S	4-5/8"
81W and higher	L	7-1/8"

Power consumption chart

						DC specs		AC specs
				Batt	tery capacity	(in watts)		
Series	Battery	Voltage	90 Mins	2 Hrs	3 Hrs	4 Hrs	Units dual voltage ¹	Current maximum
TBRC0	Lead-calcium	6V	18	12	0	0		
TBRC1	Lead-calcium	6V	27	18	14	10		
TBRC5	Lead-calcium	6V	36	25	20	14		
TBRC2	Lead-calcium	6V	54	37	28	21		
TBRC3	Lead-calcium	6V	81	54	42	30		
T12BRC0	Lead-calcium	12V	54	37	28	21	120VAC	0.3A 0.15A
T12BRC1	Lead-calcium	12V	110	72	56	40	277VAC	
T24BRC1	Lead-calcium	24V	110	72	56	40		
TRBC1	Ni-Cd with option (-N)	6V	18	12	0	0		
TRBC2	Ni-Cd with option (-N)	6V	25	18	12	9		
T12BRC1	Ni-Cd with option (-N)	12V	36	21	15	12		
T12BRC2	Ni-Cd with option (-N)	12V	50	31	25	18		

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

Accessories (Order as a separate item)

Description	Product code
Remote test switch (metal faceplate)	PSW
Remote test switch (plastic faceplate)	PSW-1

Ordering format

Number of heads	Series/Battery/Capacity	Head style	Lamp type	Options	
Blank= No heads 1= 1 head 2= 2 heads 3= 3 heads	Lead-calcium battery TBRC0= 6V-18W TBRC1= 6V-27W TBRC5= 6V-36W TBRC2= 6V-54W TBRC3= 6V-81W T12BRC0= 12V-36W T12BRC2= 12V-54W T12BRC1= 12V-110W T24BRC1= 24V-110W	/E3= ELF3 (MR16, Plastic) /D1= DR130 (MR16, Metal)	LD1= 6V-4W MR16 LED LD7= 12V-4W MR16 LED LD9= 12V-5W MR16 LED LD10= 12V-6W MR16 LED LD13= 24V-4W MR16 LED LD14= 24V-6W MR16 LED	Blank= Mist white housing, no options -ID= Improved Diagnostics (audible)¹ -IDNA= Improved Diagnostics (non audible)¹ -NEX= Nexus® wired compatible² (consult your sales representative) -NEXRF= Nexus® wireless compatible² (consult your sales	
	For nickel-cadmium battery (must include option -N) TRBC1= 6V-18W TRBC2= 6V-25W T12RBC1= 12V-36W T12RBC2= 12V-50W			representative) -B= Black housing -TD15= Time delay (15 minutes) -N= Nickel-cadmium battery	

Example: 2TBRC2/D1LD1-ID

 ¹⁻Minimum lamp load required: 20% of unit capacity. Not available with 100W N-Cd 24V. Should also apply to NEX and NEXRF.
 2-NEX & -NEXRF is CSA-US approved only.



RD Series

Recessed steel housing 6V up to 36W, 12V up to 36w capacities



A decorator-friendly low-profile emergency light available with a selection of lighting heads to suit any décor.



Housing

- Steel housing
- Standard off-white finish, optional black finish
- Lighting heads, available in thermoplastic or decorative die-cast aluminum
- Choice of MR16 LED lamp wattages

Mounting

- Fully recessed ceiling or wall-mount
- Hanger bars included for lay-in installation in T-bar grid
- Suitable for sheet rock installation

Electronics

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

Photometric performance

	Spa	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'				

See lamp table

Choice of sealed maintenance-free battery

- 6V or 12V lead-calcium battery
- 6V or 12V nickel-cadmium battery

Approvals

- UL 924 listed
- New York City Approved

Warranty (subject to proper installation and maintenance)

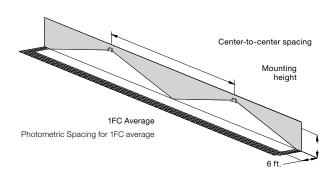
Unit: five-year limited warranty

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

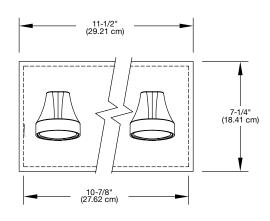


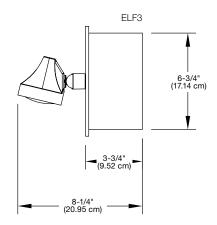












Power consumption chart

	DC specs						AC specs	
			Battery capacity (in watts)					
Series	Battery	Voltage	90 Mins	2 Hrs	3 Hrs	4 Hrs	Units dual voltage1	Current maximum
RD6M1	Lead-calcium	6V	18	12	0	0	120VAC 277VAC	0.3A 0.15A
RD6M2	Lead-calcium	6V	27	18	14	10		
RD6M3	Lead-calcium	6V	36	25	20	14		
RD12M3	Lead-calcium	12V	36	25	20	14		
RD6C1	Nickel-cadmium	6V	18	18	0	0		
RD6C2	Nickel-cadmium	6V	25	18	12	9		
RD12C3	Nickel-cadmium	12V	36	21	15	12		
RD12C4	Nickel-cadmium	12V	50	36	25	18		

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

Accessories (Order as a separate item)

Description	Product code
Wire guard (DR130 or ELF3 heads)	WG6-L
Remote test switch (Metal faceplate)	PSW
Remote test switch (Plastic faceplate)	PSW-1

Ordering format

Number of heads	Series/Battery/Capacity	Head style	Lamp type	Options
Blank= No heads 1= 1 head 2= 2 heads	Lead-calcium battery RD6M1= 6V-18W RD6M2= 6V-27W RD6M3= 6V-36W RD12M3= 12V-36W Nickel-cadmium battery RD6C1= 6V-18W RD6C2= 6V-25W RD12C3= 12V-36W RD12C4= 12V-50W	/E3= ELF3 (MR16, Plastic) /D1= DR130 (MR16, Metal)	LD1= 6V-4W MR16 LED LD7= 12V-4W MR16 LED LD9= 12V-5W MR16 LED LD10= 12V-6W MR16 LED	Blank= Mist white housing, no options -B= Black housing -ID= Improved Diagnostics (audible)¹ -IDNA= Improved Diagnostics (non audible)¹ -T3= Time delay (15 minutes)

Example: RD12M3/DR130LD9-IDNA

¹ Minimum lamp load required: 20% of unit capacity



Camray[™] **LED Series**

Recessed steel housing 6V up to 36W, 12V up to 36w capacities



High-performance lighting from a low-profile fixture. Powerful wide beam LED lights provide impressive spacing of 50 to 70 feet. NEMA-3R rated for indoor or outdoor use.

Housing

- Indoor/outdoor suitable for wet location
- · Die-cast aluminum housing
- UV-resistant (3" x 1.5") polycarbonate lens

Mounting

- Wall mount
- 1/2" rigid conduit top entry
- Universal J-box mounting patern

Lamp type

- Patent-pending light engine: four power LEDs with redundant connections
- 400-640 lumens
- Color temperature: 5000K
- Optional forward-throw light distribution, for applications of outdoor egress
- Optional high-lumen output

- Optional dual-mode operation: normal and emergency LED lighting with separate AC inputs
- Pulse plus charger
- Low voltage disconnect
- Automatic brownout protection
- Battery lock-out
- Fused output circuit
- Standard Improved Diagnostics
- 120/277 60Hz

Approval

- UL 924 listed
- Nema-3R rated for indoor/outdoor cold-weather wet and damp locations: -4°F to 104°F (-20°C to 40°C)

Warranty (subject to proper installation and maintenance)

Unit: five-year full warranty

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

Unit color













Dark bronze

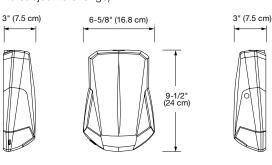
Power consumption chart

				DC Specs	AC Specs
	Normal lighting Emergency lighting		Emergency lighting	6-12 V ¹	
Model	Current (maximum)	Power (maximum)	Current (maximum)	Power (maximum)	Power (maximum)
AC, 2AC, ACDC, DC	0.12/0.08A	12W	0.11/0.08A	12W	8W
All above, -H	0.18/0.11A	18W	0.18/0.11A	18W	14W (VDC only)
ACSD, SD, SD-H	0.12/0.06A	12W	0.05/0.02A	5W	
SD-CW	-	_	0.15/0.07A	16W	N/A¹
ACSD-CW-P, -FT		N/A¹	0.22/0.10A	24W	

¹ Only unswitched AC input; normal lighting with photo-switch or remote control



Dimensions (Dimensions are approximate and subject to change)



Window for photo-switch (optional)

Photometric performance

Table A - Spacing for NFPA101 (average = 1FC) - Average of 1 foot-candle

				Width	x length (ft)
Model type	Mounting height	Lumen	Color temperature	Single unit	Center-to- center
Standard	9'	400	5000K	6' X 50'	6' X 50'
With option -H	11'	550	-	6' X 60'	6' X 60'
With option -FT	12'	460		_	3' X 70'
With option -FTH	15'	640	-	6' X 40'	_
			-	6' X 50'	_

Indoor reflectance: 80/50/20 and 10-ft wide corridor. Outdoor reflectance: 0/30/10

Note: The illumination level meets ALL the requirements of the Life Safety Code (NFPA 101):

- 1) Average of 1 foot-candle or more
- 2) Minimum at any point of 0.1 foot-candle or more 3) Maximum-to-minimum illumination uniformity ratio of 40:1 or less

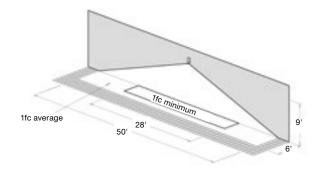
Table B – Spacing for minimum illumination = 1FC – Minimum of 1 foot-candle

				Width	x length (ft)
Model type	Mounting height	Lumen	Color temperature	Single unit	Center-to- center
Standard	9'	400	5000K	4' X 28'	6' X 32'
With option -H	11'	550	_	4' X 32'	6' X 40'
With option -FH	12'	460	-	4' X 22'	_
With option -FTH	15'	640	_	4' X 27'	_

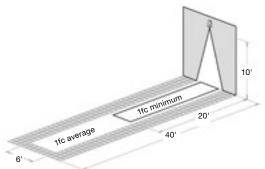
Photometry performance

Whether installed indoors or outdoors, with spacing measurements for a single unit or between two units centerto-center, the Camray® Series LED delivers a stable and consistent illumination making it easy to specify in a wide range of applications. The outstanding spacing of illumination ranges from 50 to 70 feet for standard units (wide beam) and from 40 to 50 feet with the forward-throw beam option.

Photometry performance - Wide beam



Photometry performance - Forward throw



Ordering format - Battery unit

Series	Model	Color	Options	
CAM= Camray LED battery unit	Nickel-metal hydride battery units (standard with Self-Diagnostics) SD= Self-powered & self-diagnostic (-4°F + 122°F)(-20°C + 50°C) ACSD= Dual-mode AC/self-powered -4°F + 104°F) (-20°C + 40°C)	B= Black DB= Dark bronze OW= Off white PG= Platinum gray	-CW= Cold weather (-40°F - 86°F) (-40°C - 30°C); not available with option -H -FT= Forward throw lighting -H= High lumen output (32 86°F / 0 30°C; model SD only)	-P= Photo-switch, (model models ACSD only) -T3= Time delay: 15 minutes (models ACSD, SD only) -RC= Remote control - infrared¹

Example: CAMSDOW-RC

¹ For ACSD Model only, with -RC option, order the remote control keypad (TB-RC1-L) separately



MG & MN Series

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



For maximum versatility, the MG & MN Series steel housing emergency lighting battery unit accommodates a wide range of lamp heads and lamps, and even has a front-mounted head option for low

Available head style choices:

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

Photometric performance

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

Choice of battery

- 6V or 12V lead-calcium battery
- 6V or 12V nickel-cadmium battery

Approvals

UL 924 Standard

Warranty (subject to proper installation and maintenance)

Unit: three-year limited warranty

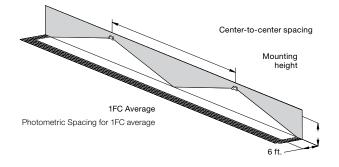
Detailed warranty terms located **online at: www.lightalarms.com**











Housing color



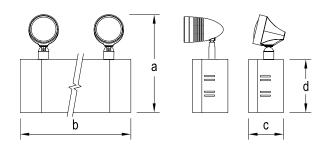


Black

Mist White



Dimensions (Dimensions are approximate and subject to change)



Cabinet dimensions

Units	Cabinet	а	ь	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"		4"	6-1/4"

Power consumption chart

						DC specs		AC specs
				Batt	ery 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	120VAC 277VAC	
MG1		6V	27	18	14	0		
MG2	Lead-calcium	6V	54	37	28	21		
M12G1		12V	36	25	20	14		0.3A
M12G2	_	12V	54	37	28	21		0.15A
MN1		6V	25	18	12	0		
M12N1	Nickel-cadmium	12V	36	21	15	12		
M12N2	_	12V	50	36	25	18		

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
0= No Heads 1= One Head 2= Two Heads	Lead-calcium battery MG18= 6V-18W MG1= 6V-27W MG2= 6V-54W¹ M12G1= 12V-36W M12G2= 12V-54W¹ Nickel-cadmium battery MN1= 6V-25W M12N1= 12V-36W M12N2= 12V-50W	/ELF3= ELF3 (MR16, Plastic) /DR130= DR130 (MR16, Meta	LD1 = 6V-4W MR16 LED LD7 = 12V-4W MR16 LED LD9 = 12V-5W MR16 LED I) LD10 = 12V-6W MR16 LED	- M = Mist white - B = Black	Blank= No options -ID= Improved Diagnostics (audible)² -IDNA= Improved Diagnostics
Example: 2	MG18/ELF3-LD1-M-ID				·

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



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 online at: www.lightalarms.com









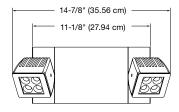
Power consumption chart

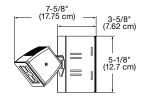
						DC specs		AC specs
				Batt	tery capacity	(in watts)		
Series	Battery	Voltage	90 Mins	2 Hrs	3 Hrs	4 Hrs	Units dual voltage ¹	Current Maximum
M12G1	Lead-Calcium	12V	36	25	20	14		
M12N1	Nickel-Cadmium —	12V	30	21	15	12	120VAC / 277VAC	0.3A / 0.15A
M12N2	Nicker-Gaumium —	12V	40	36	25	18		

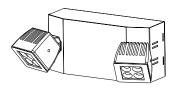
All units 120/277 dual voltage, information based on wiring to specific voltage type



Dimensions (Dimensions are approximate and subject to change)







Photometry performance

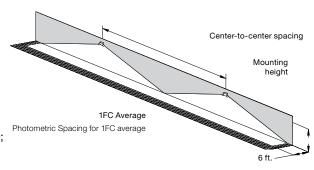
For NEMA 1 type application, the MG/MN-SP Series LED emergency lights deliver a stable and consistent illumination on the path of egress for a wide range of mounting heights. Depending on the required illumination levels need for the application, choose between three level of lumen output using a 6W, 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	Lead-calcium battery M12G1SP= 12V-36W Nickel-cadmium battery M12N1SP= 12V-30W M12N2SP= 12V-40W	/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® wireds 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

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

^{†-}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



PG & P12G Series



Steel housing 6V up to 54W & 12V-54W capacities lead-calcium battery





Available Head Style Choices:

Head Style Suffix:

ELF3 /ELF3

DR130 /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

- 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

Photometric performance

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

Choice of battery

• 6V or 12V lead-calcium battery

Approvals

- UL 924 Standard
- New York City Approved

Warranty (subject to proper installation and maintenance)

Unit: three-year limited warranty

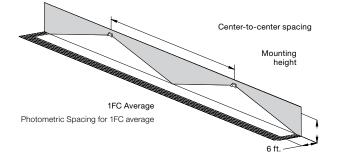
Detailed warranty terms located online at: www.lightalarms.com











Housing color



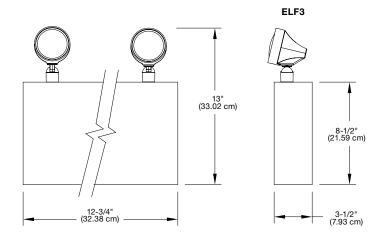


Black

Mist White



Dimensions (Dimensions are approximate and subject to change)



Power consumption chart

						DC specs		AC specs
				Bat	tery capacity	(in watts)		
Series	Battery	Voltage	90 Mins	2 Hrs	3 Hrs	4 Hrs	Units dual voltage ¹	Current maximum
PG1		6V	18	15	0	0		
PG2	Lead-calcium	6V	54	36	27	18	120VAC 277VAC	0.25A 0.15A
P12G1		12V	54	36	27	18	ZITVAO	0.13A

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

Accessories (Order as a separate item)

Description	Product code
Wire guard	WG2-L
Mounting platform	MP-PQA

Ordering format

Number of heads	Series/Capacity	Head style	Lamp type	Housing color	Options
1= One head	PG1= 6V-18W PG2= 6V-54W P12G1= 12V-54W	/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) ^{1,3} -IDNA= Improved Diagnostics (non audible) ^{1,3} -NEX= Nexus® wired (contact your sales representative) ³ -NEXRF= Nexus® wireless (contact your sales representative) ³ -T3= Time delay (15 minute) -DS= Lamp disconnect switch -VS= Vandal-resistant screws -3CP= 120V cord & plug, 3 wire, 3ft long2

Example: 2PG1/DR130LD1

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*
 Consult your sales representative
 Minimum lamp load required: 20% of unit capacity



PQ & P12Q Series



Steel housing 6V up to 200W & 12V up to 200W capacities lead-calcium battery



Available Head Style Choices: Head Style Suffix: ELF3

/ELF3

DR130 /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

- 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

Photometric performance

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

Choice of sealed maintenance-free battery

6V or 12V nickel-cadmium battery

Approvals

- UL 924 Standard
- New York City Approved

Warranty (subject to proper installation and maintenance)

Unit: three-year full warranty

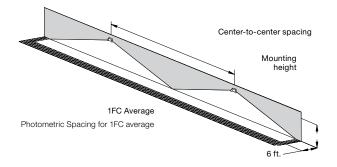
Detailed warranty terms located **online at: www.lightalarms.com**











Housing color





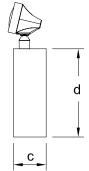
Black

Mist White



Dimensions (Dimensions are approximate and subject to change)

ELF3



Cabinet dimensions

			D	imensions
Cabinet	а	b		d
В	14-3/4" (35.56cm)	16-1/8" (40.95cm)	5-7/16" (13.81cm)	10-1/4" (26.03cm)
С	18-3/8" (46.67cm)// 16 3/4" (42.54cm)	16-1/2" (41.91cm)	7-1/4" (18.41cm)	12-1/4" (32.38cm)

100W unit use B Cabinet dimensions 200W unit use C Cabinet dimensions

Power consumption chart

						DC specs		AC specs
				Batt	tery capacity	(in watts)		
Series	Battery	Voltage	90 Mins	2 Hrs	3 Hrs	4 Hrs	Units dual voltage1	Current maximum
PQ2		6V	100	75	50	36		
PQ3	Niekal aadmium	6V	200	150	100	72	120VAC	0.3A
P12Q1	Nickel-cadmium —	12V	100	75	50	36	277VAC	0.15A
P12Q2		12V	200	150	100	72		

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

Accessories (Order as a separate item)

Description	Product code
Wire guard	WG3-L
Mounting platform (B cabinet)	MP-PQA
Mounting platform (C cabinet)	MP-PQB

Ordering format

Number of heads	Series/Capacity	Head style	Lamp type	Housing color	Options
0= No heads 1= One head 2= Two heads 3= Three heads	PQ2= 6V-100W PQ3= 6V-200W P12Q1= 12V-100W P12Q2= 12V-200W	/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) ^{1,3} -IDNA= Improved Diagnostics (non audible) ^{1,3} -NEX= Nexus® wired (contact your sales representative) ³ -NEXRF= Nexus® wireless (contact your sales representative) ³ -T3= Time delay (15 minute) -PTS= Photocell test switch -DS= Lamp disconnect switch -VS= Vandal-resistant screws -3CP= 120V Cord & plug, 3 wire, 3ft long ²

Example: 2P12Q1/DR130LD10-M

 ¹⁻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*
 2-3CP custom length available. Consult your sales representative
 3 Minimum lamp load required: 20% of unit capacity, only available on P12Q1 models



PN LED Battery Series

3.6V & 7.2V Steel Enclosure



Ideal for spaces that require a highly efficient LED emergency lighting unit with 2 or 3 lighting heads and a steel enclosure. Each lamp head provides 100 lumens.

Housing

- Constructed of 20 gauge heavy-duty steel and a durable white powder-coat finish
- The 3PN2-LED unit is furnished with 3 (1W LED) heads and the 2PN2-LED unit is furnished with 2 (1W LED) heads
- Each head provides 100 lumens output

Electronics

- 120V/277V Input standard
- Low voltage disconnect prevents over discharge of battery
- Brownout protection standard
- Long life maintenance-free battery
- 3.6V nickel-cadmium battery

Approvals

- UL 924 Standard
- Complies with NEC, Life Safety Code and OSHA.

Warranty (subject to proper installation and maintenance)

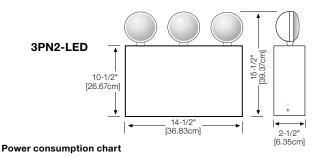
- Unit has a three-year full warranty (excluding lamps and fuses)
- Nickel-cadmium battery has a five-year full, plus five-year pro-rata warranty

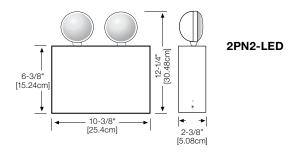
Detailed warranty terms located **online at: www.lightalarms.com**





Dimensions (Dimensions are approximate and subject to change):





		DC specs		AC specs
Series	Battery type	DC voltage	Units dual voltage ¹	Current maximum
2PN2-LED	Nickel and with	3.6V	120VAC/277VAC	120mA
3PN2-LED	Nickel-cadmium ————	3.6\/	120VAC/211VAC	150mA

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

Ordering format

Series	Description
2PN2-LED	2 X 1W LED heads
3PN2-LED	2/3 X 1W LED heads

Example: 2PN2-LED



Remote Head & Unit Head DR Series

Designer surface-mounted remote light fixtures meet a range of photometric requirements with MR16 LEDs in single, double or triple lamp head configurations.



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 online at: www.lightalarms.com



Accessories (Order as a separate item)

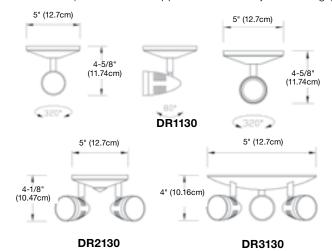
Description	Product code
Wire Guard for DR1130, DR2130	WG8-L
Wire Guard for DR3130	WG2-L

Ordering format

Series	Lamp suffix	Color
DR1130= Single head DR2130= Double head DR3130= Triple head	/1	-WH= White -BK= Black
Example: DR1130/LD12-WH6		

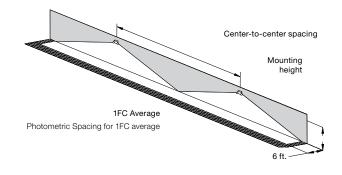
¹Choose from lamp selection chart

Dimensions (Dimensions are approximate and subject to change)



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'	
LD25	43'	39'	



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

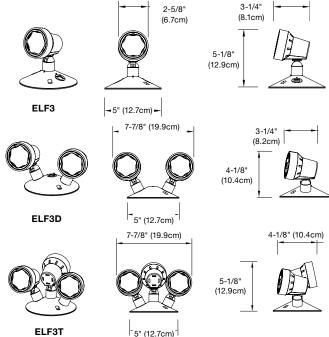
Detailed warranty terms located online at: www.lightalarms.com



Lamp selection chart - MR16 LED lamps

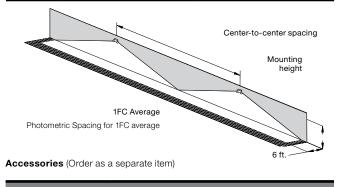
Lamp suffix	Voltage	Wattage	Lumens	Replacement #
LD1	6	4	130	580.0097-L
LD7	12	4	170	580.0093-L
LD9	12	5	340	580.0104-L
LD10	12	6	540	580.0106-L
LD13	24	4	200	580.0098-L
LD14	24	6	590	580.0100-L

Dimensions (Dimensions are approximate and subject to change)



Photometric performance

	Spa	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'		



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
Example: ELF3/LD1-B6	D = Double heads T = Triple heads		-M= Mist white	12 = 12 VDC 24 = 24 VDC

¹Choose from lamp selection chart



ELF612D/LED Series



Thermoplastic square LED outdoor remote heads

Housing

- ELF612D/LED remote series is multi-volt 3.6, 6 or 12V, 3W total
- Thermoplastic housing and aluminum canopy with fully adjustable LED heads
- Suitable for outdoor application
- Suitable for wet location applications
- Wall or ceiling mount
- Available only in gray double head configuration

Approval

UL924 Listed

Warranty (subject to proper installation and maintenance)

Unit: three-year full warranty

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



Accessories (Order as a separate item)

Description	Product code
Wire guard (heads in any position) wall mount	WG10-L

Ordering format

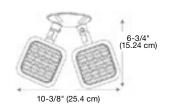
Series # of heads Options

ELF612 Blank= Single head D= Double heads /LED= Thermoplastic square LED head

Example: ELF612D/LED

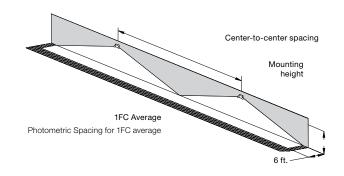
Dimensions (Dimensions are approximate and subject to change)





Photometric performance

	Spacing center-to-center (fee		
Lamp	7 feet mounting height	15 feet mounting height	
ELF612	13	4'	





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-4X1
- NSF Rated

Warranty (subject to proper installation and maintenance)

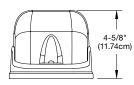
Unit: five-year full warranty

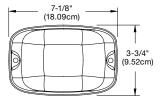
Detailed warranty terms located online at: www.lightalarms.com

NEMA-4X Certified when installed using a circular NEMA-4X rated junction box (sold separately by ABB under P/N 091647-L)



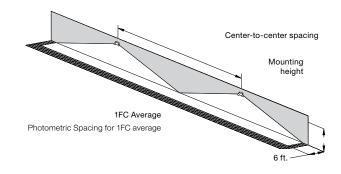
Dimensions (Dimensions are approximate and subject to change)





Photometric performance

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



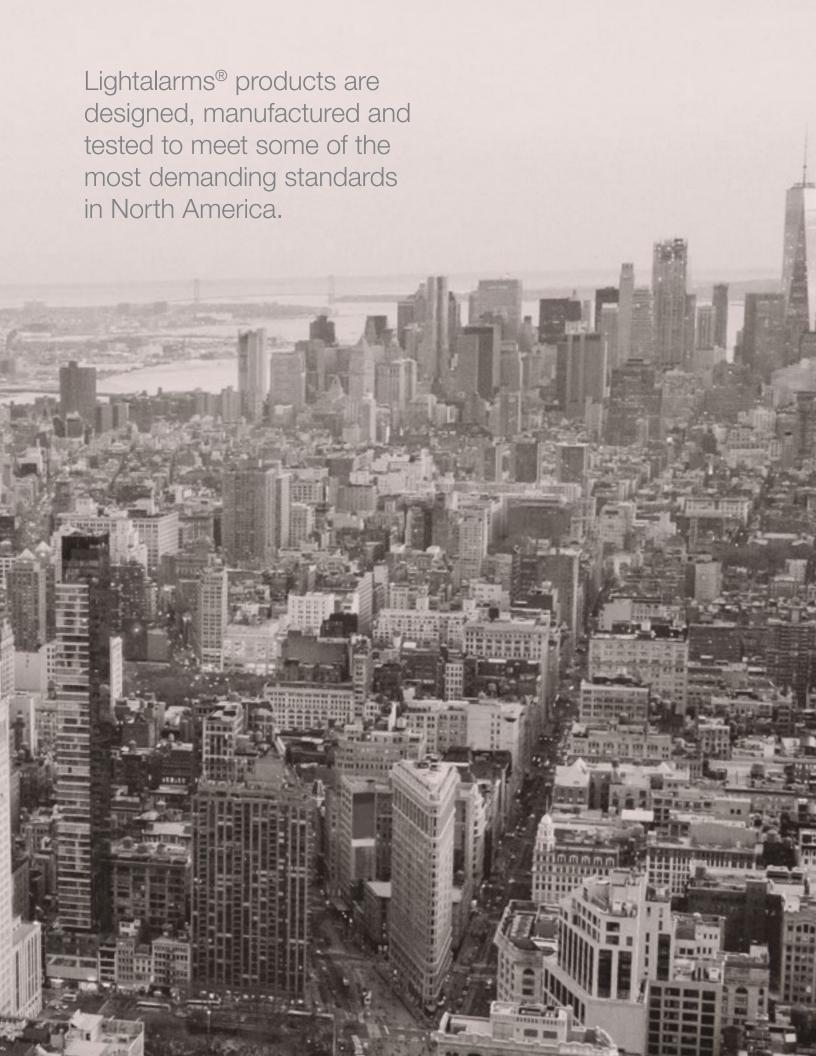
Lamp selection chart

				MR 16 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	510	580.0106-L
LD13	24	4	200	580.0098-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 head¹ ELF650PD= All polycarbonate NEMA 4X and NSF Certified with double head¹	/1	-M= Mist white -B= Black -G= Gray	6 = 6 VDC 12 = 12 VDC 24 = 24V DC	Blank= no option

Example: ELF650/LD9-M12





LALDR Series



Convert new or existing LED fixtures into emergency lighting units with a constant power emergency LED driver

Housing

- High impact thermoplastic enclosure, 5VA flame retardant in black finish
- LED illuminated remote test switch

Mounting

• Suitable for installation on top or remotely

Lamp type operation

- LED lamps with 20VDC to 50VDC operating voltage
- Can be wired for normally-on, normally off or switched loads
- Lumen output depends on LED light source efficacy (Lumens/watts)

Lumen output

- Universal 120/277, 50/60Hz input
- Provides 90 minutes of emergency operation
- Surge protection
- Output classification: Class 2 compliant
- Output and input overcurrent protection
- Constant power supply in emergency mode

Battery

 Long-life maintenance-free rechargeable nickel-cadmium battery

Approvals

- Damp location listed
- UL classified for field or factory installation
- UL924 approved
- NFPA 101 life safety code, NEC, and OSHA

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

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





Calculate lumen output during emergency operation

- Lumen output = Efficacy (Lumen/watt) X Emergency LED Driver wattage
- In order to understand luminaire efficacy:
 - Access luminaire data by logging onto Design Lites Consortium:

www.designlights.org

- Select 'Search the DLC Qualified Product List' on the DLC homepage
- Enter manufacturer name and P/N of luminaire under consideration in the 'search by keyword' text window
- Select 'Search' tab to open the 'Qualified Products List'
- Determine luminaire Lumens per Watt efficacy in 'Rated Data' specifications
- Multiply luminaire Lumens per Watt by Emergency Output of the 'LED Driver' model under consideration

Dimensions (Dimensions are approximate and subject to change)

Model	Length	Width	Height
LALDR-5	11.46"	2.63"	1.48"
LALDR-7	15.35"	2.63"	1.48"
LALDR-11	15.35"	2.63"	1.48"
LALDR-14	19.19"	2.63"	1.48"
LALDR-17	19.19"	2.63"	1.48"

Electrical information

Model	Output	Input
LALDR-5	5 Watts	3.9 Watts
LALDR-7	7 Watts	4.8 Watts
LALDR-11	11 Watts	5.7 Watts
LALDR-14	14 Watts	6.9 Watts
LALDR-17	17 Watts	7.9 Watts

Ordering format

Series	Wattage
LALDR-	5
	7
	11
	14
	17
Example: LALDR-5	



LADL Linear Emergency Fluorescent Battery pack



Convert new or existing fluorescent fixtures into emergency lighting units emergency ballast

Housing

- Low profile steel housing contains, battery, battery charger, transfer circuit and high frequency inverter
- Optional end caps available
- Operating temperature 68°F to 122°F (20°C to 50°C)

Mounting

• Internal or external mounting to a fluorescent fixture

Lamp type operation

 Refer to ballast/lamp reference chart for specific lamp type page 135

Electronics

- Can be wired to operate switched, un-switched or normally off fixtures without affecting normal operation
- Will cold start and illuminate lamps
- Dual voltage 120/277VAC, 2.5W

Controls

 Momentary test switch allows for quick operational check of entire system

Sealed maintenance-free battery

- Nickel-cadmium battery
- Provides 90 minutes of emergency operation

Approvals

- UL 924 Listed damp location I (50°F to 104°F)
- Damp location listed

Warranty (subject to proper installation and maintenance)

Ballast: five-year full warranty

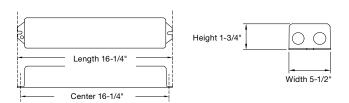
Detailed warranty terms located online at: www.lightalarms.com



Accessories (order as a separate item)

Description		Suffix
External mounting kit includes bundle cover	wire	071139-E
Remote test switch (Metal faceplate)		RTS
Remote test switch (Plastic faceplate)		RTS-1
Recommended for inaccessible locations. Test switch and charging indicator on a single mounting plate.	Charging Indicator light Push button test switch	3
Replacement test switch		TBTSP-E

Dimensions (Dimensions are approximate and subject to change)



Ordering information

Series
LADL32
LADL7
LADL12
LADL30-N

Example: LADL32



LADL 4 Pin Series



Convert new or existing fluorescent fixtures into emergency lighting units 750 lumen emergency ballast

Housing

- Steel housing contains, battery, battery charger, transfer circuit and high frequency inverter
- Operating temperature 32°F to 122°F(0°C to 50°C)

Mounting

• Internal or external mounting to a fluorescent fixture

Lamp type operation

 Refer to ballast/lamp reference chart for specific lamp type page 135

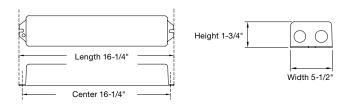
Lumen output

- (1) Lamp 350-750 lumens
- (2) Lamps 425-750 lumens

Electronics

- Can be wired to operate switched, un-switched or normally off fixtures without affecting normal operation
- Will cold start and illuminate lamps
- High capacity, automatic, dust-tight instantaneous transfer relay
- Low voltage disconnect prevents over discharge of battery
- Automatic brownout protection
- Battery connector prevents battery discharge during installation

Dimensions (Dimensions are approximate and subject to change)



Controls

- Red charger monitor LED indicates charging of the battery and AC present
- Momentary test switch allows for quick operational check of entire system

Sealed maintenance-free battery

- Nickel-cadmium battery
- Provides 90 minutes of emergency operation

Power requirements

• Dual voltage 120/277VAC, 60Hz, 1.8W

Approvals

- UL 924 Standards
- Damp location listed

Warranty (subject to proper installation and maintenance)

Ballast: five-year full warranty

 $\label{thm:complex} \mbox{Detailed warranty terms located } \mbox{\bf online at: } \mbox{\bf www.lightalarms.com}$



Accessories (order as a separate item)

Description	Suffix
Remote test switch (Metal faceplate)	RTS
Remote test switch (Plastic faceplate)	RTS-1
Replacement test switch	TBTSP-E

Ordering information

Series LADL20-N

Example: LADL20-N



Low Capacity Mini Inverter Series

Interruptible unit equipment 32W or 55W



Provide power to existing lighting to function as emergency lighting when main power fails. Self-contained sine wave output inverter systems are designed to meet the unique needs of emergency lighting loads.

Construction

- Heavy-duty steel cabinet
- White baked on powder paint coating provides scratch and corrosion resistance

Mounting

- Surface mount
- Recessed T-bar (plenum rated)

Lamp types operated

- LED
- Incandescent
- Fluorescent
- Operates switched, normally-on or normally-off fixture types, incandescent
- LED, fluorescent and ballast combinations, including triac dimmable ballasts

Load capacity

- 32W & 55W
- Allows for remote mounting of the emergency fixtures at distances of up to 1000 feet
- May accept load when load feature power factor range from 0.44 lead to 0.44 lag

Electronics

- Pure sine wave inverter
- Temperature compensated charger
- Low battery voltage disconnect
- Unit comes standard with electronic lockout and brownout circuits

Controls

- Control panel with momentary test switch, AC-On, Charger-On and
- Inverter-On LED indicators
- 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 Codes and Life Safety Code
- Emergency lighting requirements

Warranty (subject to proper installation and maintenance)

- Unit has a three year full warranty
- Battery has a three-year full, plus an additional three year pro-rata warranty

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





Specifications

Transfer time	Voltage regulation on emergency	Frequency regulation on emergency		
Less than 1 second	+/- 5%	60 Hz +/- 0.5%	0.44 lead to 0.44 lag	•

Electrical characteristics and dimensions

			_	Cabinet dimensions			Cabinet dimensions		Weight
System type	Power rating	Sine wave	Installation	W"	Н"	D"	Number of battery	120V & 277V	
LMILC32-S	32W/VA	Pure	Surface mount	14-3/4"	6-7/8"	3-1/8"	1	14 lbs	
LMILC32-T	32W/VA	Pure	Recessed T-bar	23-7/8"	6-1/4"	4"	1	15 lbs	
LMILC55-S	55W/VA	Pure	Surface mount	14-3/4"	6-7/8"	4-3/8"	1	18 lbs	
LMILC55-T	55W/VA	Pure	Recessed T-bar	23-7/8"	6-1/4"	4"	1	19 lbs	
Note: For wiring dia	gram, please refer to	instruction sheets.							

Power consumption and unit rating

Model number	Input rating	Emergency power available for load (90min)
LMILC32	41W/VA	32W
LMILC55	64W/VA	55W

Ordering format

Series	Capacity	Voltage in/out	Battery type	Mounting
LMILC	32 = 32W/VA 55 = 55W/VA	Blank = 120/277VAC	Blank= Lead-calcium	-S= Surface mount housing-T= Plenum rated ceiling T-grid mount housing

Example: LMILC32-S



Mini Inverter Series

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



Provide power to existing lighting to function as emergency lighting when main power fails. Self-contained sine wave output inverter systems are designed to meet the unique needs of emergency lighting loads.

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, 400W or 720W
- 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, 400 and 720W model

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 self diagnostic/charger is fully self-contained, fully automatic microcontrollerbased system
- Optional audible auto diagnostic available
- 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

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





Replacement battery

Series	Part number
LMIU-125	860.0024-L
LMIU-250	2X 860.0024-L
LMIU-400	2X 860.0043-L
LMIU-720	2X 860.0096-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 & 720W models: 0.8 leading to 0.8 lagging	-

Electrical characteristics and dimensions

		_		Cabinet dir	mensions	_	Weight	Weight w/o battery
Power rating	Sine wave	Installation	W"	Н"	D"	Number of battery	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
720W	Pure	Wall	24"	20"	14.5"	2	185 lbs	72 lbs

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

Power consumption and unit rating

					Emergency power	er available for load
Model number		AC specs	90 minutes	2H	3Н	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
LMIU-720	120 / 277VAC	6.90 / 4.00 Amps	720W	480W	360W	270W

Ordering format

Series	Capacity	Voltage in/out	Diagnostic feature	Options
LMIU	-125= 125W -250= 250W -400= 400W -720= 720W	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)
Exampl	e: LMIU-720			

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



1000W Capacity Mini Inverter Series

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



Provide power to existing lighting to function as emergency lighting when main power fails. Self-contained sine wave output inverter systems are designed to meet the unique needs of emergency lighting loads.

Housing

- 14-Gauge Steel
- White semi-gloss powered-coat paint finish

Mounting

Surface mount

Compatible loads

- LED
- Incandescent
- Fluorescent
- Operating switched, normally-on or normally-off fixture types
- 0-10V dimming
- Triac dimming
- DALI dimming consult factory

Load capacity

- 1000W
- Line voltage allows for remote mounting of the emergency fixtures at distances up to 1000 feet

Electronics

- High-efficiency pure sine wave inverter
- 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 self diagnostic/charger is fully self-contained, fully automatic microcontroller- based system
- Optional audible auto diagnostic available
- Optional no Advanced Diagnostics available
- No Advanced Diagnostics option must be selected in conjunction with transfer switches
- Standard lighting control override for 0-10V dimming systems
- Optional 4 output circuits allow for multiple switch compatibility

Sealed maintenance-free battery

- 12V valve regulated lead-calcium (VRLA) batteries
- Provides 90 minutes of emergency operation power requirements
- Choice of voltage 120V input/120V output or 277V input/277V output operation, 60Hz

Approvals

- UL 924 Standard
- Meets or exceeds all National Electric Code and Life Safety Code Emergency Lighting Requirements

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

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





Replacement battery

Series	Part number
LMIU-1000	4 X 860.0043

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%	0.8 at 120V 1 at 277V	68°F to 86°F (20° to 30°C)

Electrical characteristics and dimensions

				Cabinet dimensions		-	Weight	Weight w/o battery
Power rating	Sine wave	Installation	W"	Н"	D"	Number of batteries	120V & 277V	120V & 277V
1000W	Pure	Floor/ wall	24"	40.75"	10.5"	4	266 lbs	114 lbs
1000W-4C	Pure	Floor/ wall	24"	40.75"	14.5"	4	320 lbs	198 lbs

Note: For wiring diagram, please refer to the specification sheets

Power consumption and unit rating

					Emergency powe	r available for load
Model number		Ac specs	90 minutes	2H	3Н	4H
LMIU-1000	120 / 277VAC	12.8 / 5.3 Amps	1000W	807W	604W	489W

Ordering format

Series	Capacity	Voltage in/out	Diagnostic feature	Options
LMIU	-1000 =1000W	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 contact² -4C= 4 output circuits

Example: LMIU-1000

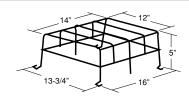
¹Minimum load required: 10% of unit capacity ²Service alarm contact (SAC) shall be provided a 24V signal, the charger board will indicate a fault by closing a contact.



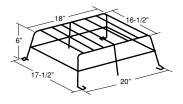
Wire guards

Designed to increase the protection level and deter vandalism to Exit signs, Battery units and Remote fixtures

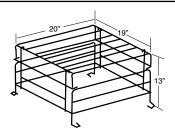
Catalog number WG1-L	
Exit signs (wall mount)	GX, GXE Series (6" only) XD, XDN Series TX, TXE Series UX4 Series, GRANDE™ Exit Series QLX500, QLXN500 Series XT Series
Battery units	Grande™ battery unit (wall mount) MG Series (ELF3, DR1130 Heads)



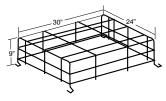
Catalog number WG2-L	
Exit signs	Grande™ (combination unit, wall mount)
Battery units	PG & P12G Series PN & P12N Series (A cabinet)
Remote fixtures	DR 3130



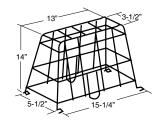
Catalog number WG3-L	
Battery units	PN & P12N Series (B Cabinet) PQ & P12Q Series S12E4 Series



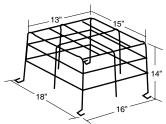
Catalog number WG4-L	
Exit signs	QLXN2SQ (Combination Unit, Wall Mount)
Battery units	S12E5, S12E6 & S24E4 Series



Catalog number WG5-L	
Exit signs (ceiling & end mount)	GX, GXE Series (6" only) XD, XDN Series TX, TXE Series UX4 Series, GRANDE™ Exit Series QLX500, QLXN500 Series XT Series



Catalog number WG6-L	
Exit signs	UX4 (combination unit, wall mount)
Battery units	RD Series
	1



Catalog number WG8-L	
Remote fixtures	DR1130, DR 2130; ELF3, ELF3D, ELF3T

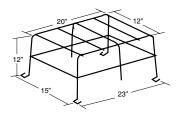


Wire guards

Catalog number WG10-L

Battery units

LCA-2 SQ Series LCA-2 LED Series

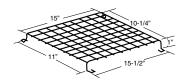


Catalog number WG11-L

Exit signs (wall mount)

Floor proximity recessed exit

TX, TXE Series



Catalog number WG12-L

Exit signs (wall mount)

XD, XDN Series

TX, TXE Series

UX4 Series,

GRANDE™ Exit Series

QLX500, QLXN500 Series

XT Series

Catalog number WG13-L

GX, GXE Series (6" only)

XD, XDN Series XL Series

TX, TXE Series Exit signs (wall mount)

UX4 Series

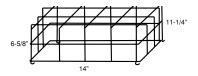
GRANDETM Exit Series

QLX500, QLXN500 Series

XT Series

LCA-2 SQ Series Battery units

LCA-2 LED Series



Catalog number WG14-L

GX, GXE Series (6" & 8")

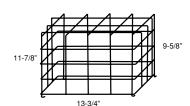
XD, XDN Series

TX, TXE Series Exit signs (ceiling mount)

UX4 Series

GRANDE™ Exit Series

QLX500, QLXN500 Series



Catalog number WG15-L

GX, GXE Series (6" & 8")

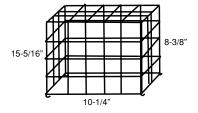
XD, XDN Series

TX, TXE Series Exit signs (wall mount)

UX4 Series,

GRANDE™ Exit Series

QLX500, QLXN500 Series





Lightalarms® – your partner in success

Satisfaction at every step of the process

Our North American team works with you to make sure you have the most efficient solution that meets your specifications. Lightalarms® products are designed for durability, reliability, and ease of use. With Lightalarms®, your solution will be:

- Easy to install and maintain
- Compliant with codes, regulations and standards certifications available
- High quality and reliable for maximum safety

Expect fast shipping, prompt service, and ongoing support

Not only can we provide extremely short lead times, we also offer product customization at the facilities in our North American manufacturing center. Our engineering team and product designers work together as a team of specialists to create innovative new products and meet special requirements. We take great pride in developing products for challenging applications.

With Lightalarms® you have peace of mind that your life safety equipment will perform when you need it.





Notes	





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