Emergi-Lite®
Full range of emergency lighting solutions

ABB

California Energy Commission (CEC)
Title 20 Certified Emergency Lighting

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

The CEC Title 20 Compliant products in this brochure have been:
- Proven to meet the applicable efficiency standards
- Tested in a CEC-approved lab
- Marked in accordance with the Title 20 certification requirements

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

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

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

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

Nexus®
Emergency lighting monitoring system

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

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01 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.

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**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 system 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 neighbors 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 Emergi-Lite® 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 and the area controller to form efficient clusters. Building layout and materials will also play some role in determining the best solution to deliver a highly effective means of testing and maintenance requirements.
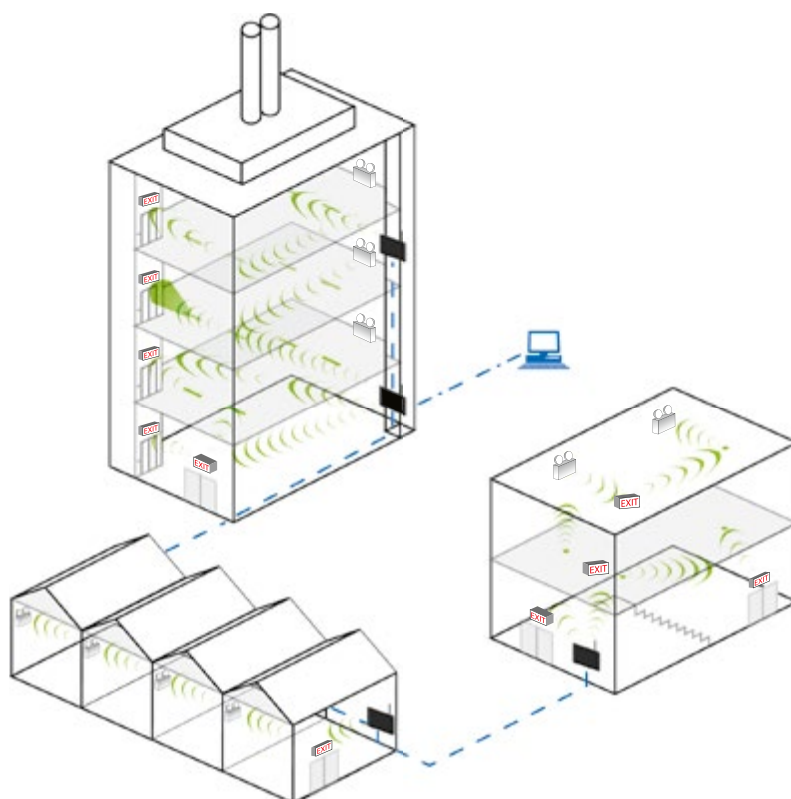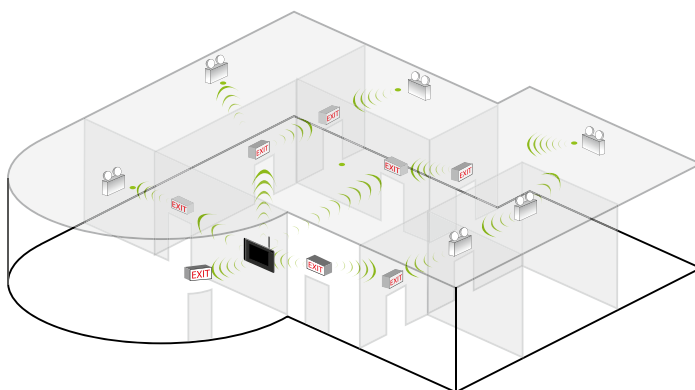
For Nexus® compatibility please refer to individual product pages for complete details.
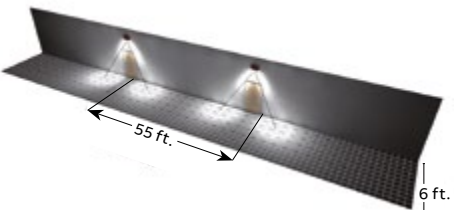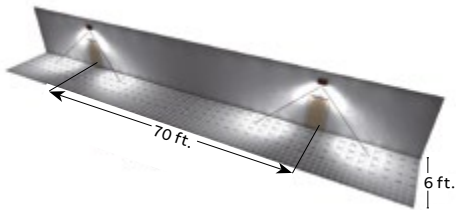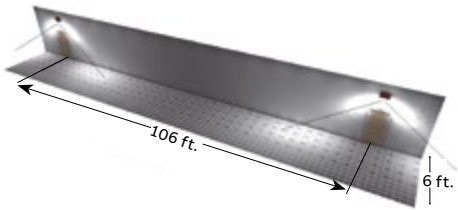
High output MR16 LED
Emergency lighting

MR16 LED illumination

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

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

MR16 LED lamp benefits

- Reduces total cost of ownership, uses few fixture due to superior illumination, thus reducing 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.

Lamp	Description	Photometry
	200-220-Lumen 4W MR16 LED Leading the technology trend, Emergi-Lite® offers a complete series of 4W MR16 LED lamps available for all the standard battery voltages: 6V, 12V, 24V and 120V. With up to 30,000 hours of operational life and a luminous flux of typically 200 to 220 lumens, they are available with most emergency heads designed to hold an MR16 lamp and meet the majority of illumination specifications. For example: one pair of LED emergency heads installed at a height of 7.5ft illuminates a 6ft by 55ft path of egress.	 **55-ft. path of egress 2 X 4W MR16 LED** Based on an average of 1 foot candle
	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	 **70-ft. path of egress 2 X 5W MR16 LED** Based on an average of 1 foot candle
	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.	 **106-ft. path of egress 2 X 6W MR16 LED** Based on an average of 1 foot candle

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Highly efficient LEDs provide many cost-saving benefits

Series		Thermal imagery – 150 foot hallway
EL-2LED Series – **Commodity LED** Low energy, low maintenance emergency lighting for moderate budget applications		9 twin lamp heads required.
Premier™ Compact MPR10M2LA– **4W LED** Thermoplastic housing 6V–10W emergency light		Only 5 dual lamp heads required.
Premier™ Compact 12MPR20M2LI Series – **5W LED** Thermoplastic housing 12V–20W emergency light		Only 3 dual lamp heads required.
Premier™ Compact 12MPR20M2LJ Series – **6W LED** Thermoplastic housing 12V–20W emergency light		Only 2 dual lamp heads required.
EL-2RHL Series – **5.4W LED** 9.6V thermoplastic housing protected lamps		Only 2 dual lamp heads required.
JS-HP Series G12JSM36-2L15FM – **15W LED** Steel Housing 12V–30W up to 40W Capacity Emergency Light		Only 2 dual lamp heads required.

Architectural collection

Revelation™ Series

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Mini-Revelation™ Series

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Prestige™ Edge-Lit Series

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Prestige™ X40 Series

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Prestige™ DX Series

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Premier™ Compact Series

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Premier™ Exit Series

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PRO-3N Series**

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JS Series

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X10 LED Series

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**Prestige™ Economizer
Slim profile surface mount**

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**Preceptor™
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Industrial collection

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California offering
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Revelation™ Series

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

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
• Special bar hangers included for installation in sheet rock or T-bar ceilings
• 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 Advanced Diagnostics
• 120/277 60Hz

Choice of sealed maintenance-free battery
• 12V lead-calcium battery

Approvals
• CSA-US (to UL 924 standards)
• BC – California Energy Commission Title 20

Warranty
• Unit has a five-year limited warranty
  Detailed warranty terms located on page 178 or online at:
  www.emergi-lite.com/usa/files/EL_Warranty.pdf
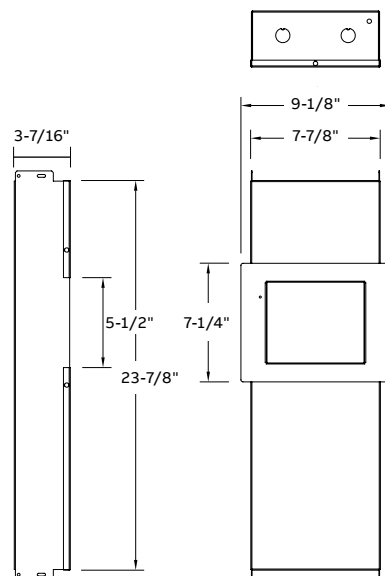
Photometric performance

	Spacing center-to-center (feet)	
Lamp	7' mounting height	15' mounting height
LG	55'	43'
LI	71'	56'
LJ	100'	85'

Dimensions
Dimensions are approximate and subject to change.

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

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Power consumption

| Model | Maximum | | Stand-by[1] |
	Input current	Input power	Input power
120V	0.25A	30W	0.79W
277V	0.12A	30W	0.79W

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

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Unit rating

| Model | Watts to 87-1/2% of rated battery voltage[1] | | | |
	1-1/2 hrs	2 hrs	3 hrs	4 hrs
RTM40	40	30	24	12
RTM70	70	50	40	24
RTM100	100	70	50	40

[1]National Electrical Code specification

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Accessories (order as a separate item)

Description	Suffix
Remote test switch (metal face plate)	RTS
Remote test switch (plastic face plate)	RTS-1

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How to order – Battery unit / AC remote fixture

Series	Battery type	Unit capacity	Lamp type/wattage	Options	Approval
RT	**M**= Lead-cadmium	**40**= 12V-40W **70**= 12V-70W **100**= 12V-100W	**-2 (LG)**= 12V-4W, MR16 LED **-2 (LI)**= 12V-5W, MR16 LED **-2 (LJ)**= 12V-6W, MR16 LED **-2 (50H)**= 50W, high lumen output	**AD**= Advanced Diagnostics (audible)[1] **ADNA**= Advanced Diagnostics (non-audible)[1] **DL**= Damp location[2] **D3**= Time delay (15 minutes) **X**= Back box shipped separately	**-CEC**= CEC Title 20 for California[2]

Example: RTM100-2(LJ)-AD-CEC

Series	Input voltage		Lamp type/wattage	Options
RTG= Remote AC generator	**1**= 120VAC, 60Hz **2**= 277VAC, 60Hz		**-2(LG)**= 12V-4W, MR16 LED **-2(LI)**= 12V-5W, MR16 LED **-2(LJ)**= 12V-6W, MR16 LED	**DL**= Damp location **X**= Back box shipped separately

Example: RTG2-2(LG)-DL

[1]AD & ADNA include a time delay feature that can be enabled/disabled in the field or set by the factory
[2]Available on all models except Ni-Cd 100W

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Mini-Revelation™ Series

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

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 with cavity mount (retrofit into finished wall)
- Designed to install into an 8-1/4" by 5-3/4" inch 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 Advanced Diagnostics
- 120/277 60Hz

Choice of sealed maintenance-free battery
- 12V lead-calcium battery

Approvals
- CSA-US (to UL 924 standards)
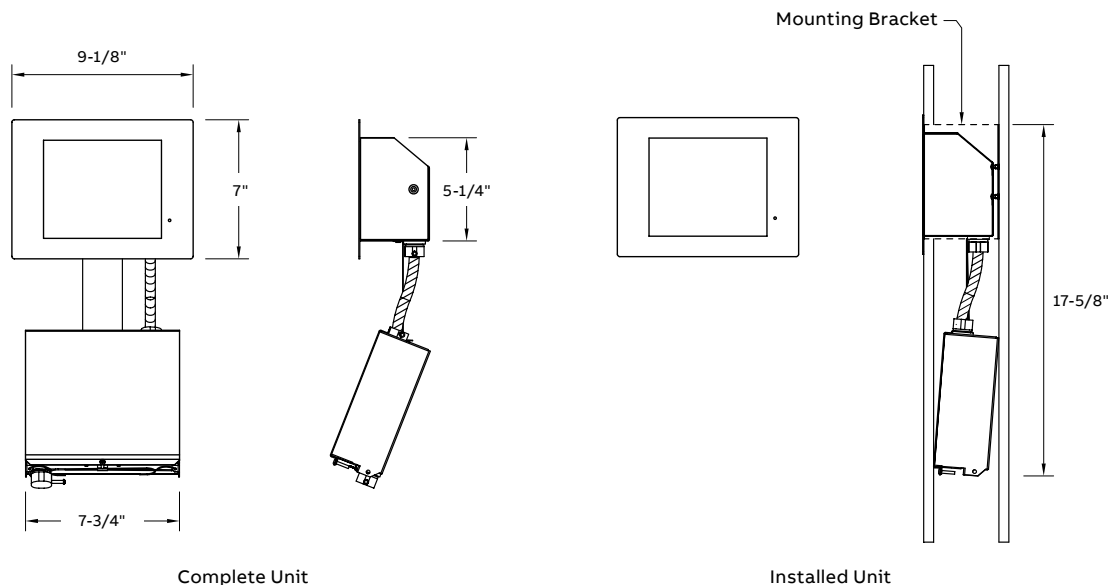- BC – California Energy Commission Title 20

Warranty
- Unit has a five-year limited warranty
  Detailed warranty terms located on page 178 or online at:
  www.emergi-lite.com/usa/files/EL_Warranty.pdf

Photometric performance

| Lamp | Spacing center-to-center (feet) | |
	7' mounting height	15' mounting height
LG	55'	43'
LI	71'	56'
LJ	100'	85'

Dimensions
Dimensions are approximate and subject to change.

Complete Unit

Installed Unit

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Power consumption

Model	AC input	Input current	Maximum Input power	Stand-by Input power
MRTM40	120VAC	0.25A	30W	0.79W
	277VAC	0.12A	30W	

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Unit rating

Model	Watts to 87-1/2% of rated battery voltage[1]			
	1-1/2 hrs	2 hrs	3 hrs	4 hrs
MRTM40	40	30	24	12

[1]National Electrical Code specification

—
Accessories (order as a separate item)

Description	Suffix
Remote test switch (metal face plate)	RTS
Remote test switch (plastic face plate)	RTS-1

—
How to order

Series	Battery type	Unit capacity	AC input	Lamp type/wattage	Options	Approval
Battery unit= MRT	**M**= Lead-calcium	**40**= 12V-40W	**Blank**= 120/277VAC	**-2 (LG)**= MR16 LED, 12V-4W **-2 (LI)**= MR16 LED, 12V-5W **-2 (LJ)**= MR16 LED, 12V-6W	**-AD**= Advanced Diagnostics (audible)[1] **-ADNA**= Advanced Diagnostics (non-audible)[1] **-D3**= Time delay (15 minutes)	**-CEC**= CEC Title 20 for California[2]
Generator unit= MRT	**G**= Remote AC generator	**Blank**= Max. 100W	**1**= 120VAC **2**= 277VAC	**-2 (LG)**= 12V-4W, MR16 LED **-2 (LI)**= 12V-5W, MR16 LED **-2 (LJ)**= 12V-6W, MR16 LED **-2 (50H)**= 50W, high lumen output	**-DL**= Damp location	

Example: MRTM40-2(LJ)-AD-CEC

[1]AD & ADNA include a time delay feature that can be enabled/disabled in the field or set by the factory
[2]Must choose AD or ADNA

Prestige™ Edge-Lit Series

Premium die-cast aluminum exit sign

Construction

- Housing, trim plate, trim ring and canopy made of die-cast aluminum
- U-shaped clear acrylic Legend panel features laser-etched letters and chevrons
- 6 inch EXIT lettering legend, available in red or green
- Choice of finishes: white, black or brushed aluminum, polished brass, polished chrome or bronze

Mounting

- Modular design allows for surface or recessed mount
- Canopy included for surface wall, end or ceiling mount applications
- Trim ring included for recessed wall or ceiling mount applications.
- Housing provided with conduit knock-out 1/2", top, back and end
- (C) circular or (A) angular trim plate used for surface or recessed wall or ceiling mount applications
- Hanger bars included for lay-in installation in T-bar grid

Special wording panels

- Available. Contact your sales representative with your design requirements

Electronics

- Optional Advanced Diagnostics
- Optional Nexus® monitoring system
- 120-277 60Hz

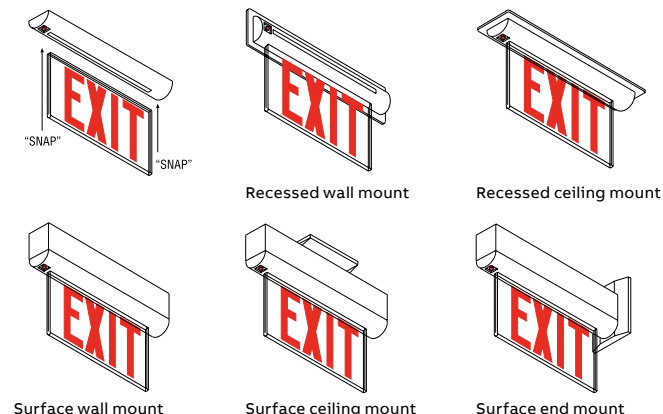## Approvals

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

Warranty

- Unit has a five-year limited warranty
  Detailed warranty terms located online at:
  www.emergi-lite.com/usa/files/EL_Warranty.pdf

Mounting configurations
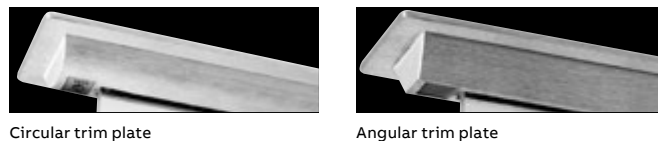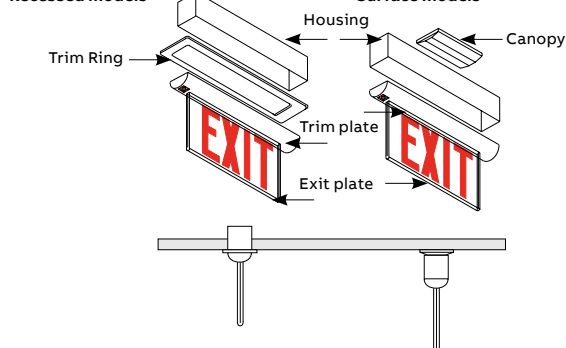
Recessed wall mount

Recessed ceiling mount

Surface wall mount

Surface ceiling mount

Surface end mount

Trim plates

Circular trim plate

Angular trim plate

Recessed models

Trim Ring

Surface models

Housing

Canopy

Trim plate

Exit plate

Arrow (chevron) designation

EXIT>
Arrow right (R)

<EXIT
Arrow left (L)

<EXIT>
Double arrow (D)

EXIT> <EXIT
Arrow right & left (RL) represents each side of a double face panel
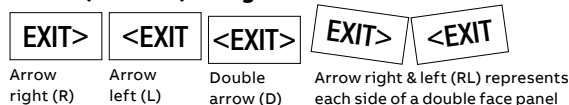
Wording and chevrons not to scale. For illustration purposes only.

Housing color
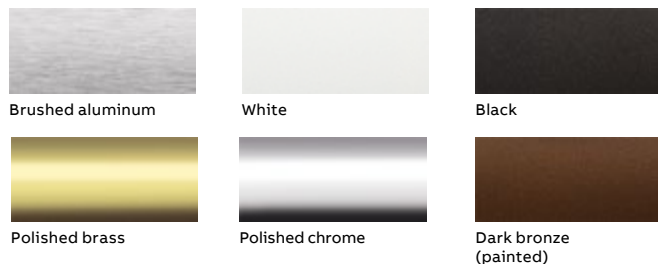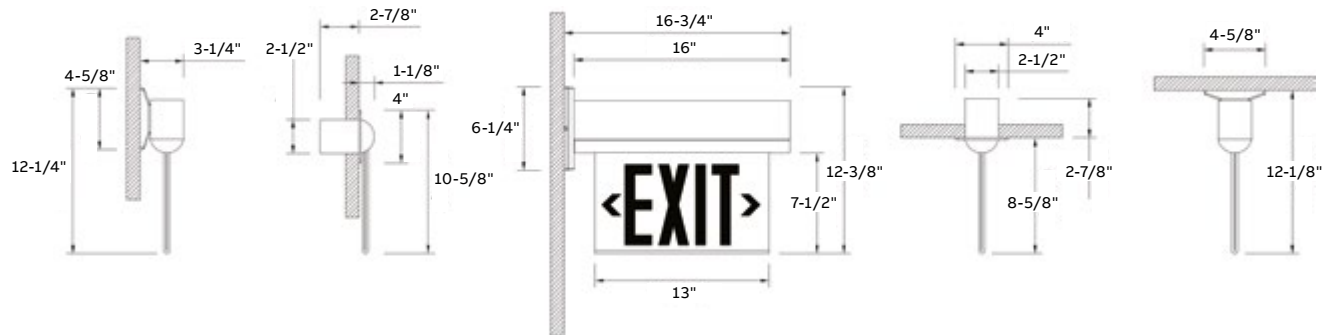
Brushed aluminum

White

Black

Polished brass

Polished chrome

Dark bronze (painted)

Dimensions
Dimensions are approximate and subject to change.

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Power consumption

Model		AC specs		DC specs
AC-only	120 to 277VAC, 50/60Hz	Less than 1.4W	–	–
AC/DC-remote	120 to 277VAC, 50/60Hz	Less than 1.4W	6 to 24VDC	Less than 1.4W
Self-powered	120 to 277VAC, 50/60Hz	Less than 2.3W	Ni-Cd battery	Min. 90 minutes
Self-powered diagnostic	120/277VAC, 50/60Hz	Less than 2.3W	Ni-Cd battery	Min. 90 minutes

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Accessories (order as a separate item)

Description	Suffix[1]
White pendant	P*-WT
Black pendant	P*-BK
Gray pendant	P*-GY

[1]Custom pendant lengths and colors available, specify (12", 24", 36", etc.)

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How to order

Housing color	Series	Faces	Designation	Legend color	Background color	Arrows
Blank= Brushed aluminum **W**= White **B**= Black **PB**= Polished brass **CH**= Polished chrome **BR**= Bronze	**LX**= AC-only **LXN**= Self-powered	**1**= Single face **2**= Double face	**N**= New design	**R**= Red **G**= Green	**C**= Clear (single face only) **W**= White **M**= Mirror	**Blank**= No arrow **D**= Double arrow **L**= Arrow left **R**= Arrow right **RL**= Right & left (double face) **UA**= Universal field installed arrows

	Trim	Mounting	Options		Legend size
	-C= Circular **-A**= Angular	**Blank**= Universal mount	**Blank**= No option **-NEX**= Nexus® wired[1] (consult your sales representative) **-NEXRF**= Nexus® wireless[1] (consult your sales representative) **-D**= Self-test and diagnostic[1] **-DC**= AC/DC remote 6-24 VDC **-FA**= Fire alarm[1] **-FZ**= Flasher & buzzer[1] **-2CKT**= Two circuit, AC only		**Blank**= 6" EXIT legend **-LP**= Panel shipped separately **-X**= Back box shipped separately
Example: WLXN2NRWRL-A-D					

[1]Self-powered only

Prestige™ X40 Series
Edge-lit recessed ceiling-mount exit sign

Construction
- Trim plate, trim ring and canopy made of die-cast aluminum
- U-shaped clear acrylic Legend panel features laser-etched letters and chevrons
- 6 inch EXIT lettering legend, available in red or green
- Choice of finishes: white, black or brushed aluminum, polished brass, polished chrome or bronze

Mounting
- Hanger bars included for lay-in installation in t-bar grid
- Housing provided with conduit knock-out 1/2", top, back and end
- Flat trim plate used for recessed ceiling mount only applications

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

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

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

Warranty
- Unit has a five-year limited warranty
  Detailed warranty terms located online at:
  www.emergi-lite.com/usa/files/EL_Warranty.pdf

Power consumption

Model	AC specs		DC specs	
AC-only	120 to 277VAC, 60Hz	Less than 1.4W	–	–
AC/DC-remote	120 to 277VAC, 60Hz	Less than 1.4W	6 to 24VDC	Less than 1.4W
Self-powered	120 to 277VAC, 60Hz	Less than 2.3W	Ni-Cd battery	Min. 90 minutes
Self-powered diagnostic	120/277VAC, 60Hz	Less than 2.3W	Ni-Cd battery	Min. 90 minutes

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Housing color

Brushed aluminum	White	Black	Polished brass	Polished chrome	Dark bronze (painted)
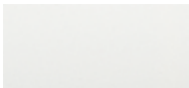
Dimensions

Dimensions are approximate and subject to change.
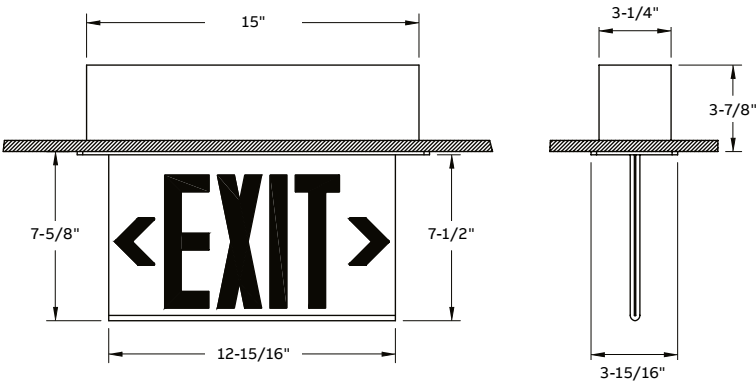
Arrow (chevron) designation

| Arrow right (R) | Arrow left (L) | Double arrow (D) | Arrow right & left (RL) represents each side of a double face panel |

Wording and chevrons not to scale. For illustration purposes only.

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Accessories (order as a separate item)

Description	Suffix[1]
Special wording	Contact your sales representative
Two 27-inch adjustable bar hangers[1]	TBH

[1]Bar hangers supplied with unit, order as replacement only

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How to order

Housing	Series	Faces	Designation	Legend color	Background color
Blank= Brushed aluminum **W**= White **B**= Black **PB**= Polished brass **CH**= Polished chrome **BR**= Bronze	**LX**= AC-only **LSNX**= Self-powered	**40**= Less panel **42**= Single face **43**= Double face	**N**= New design	**R**= Red **G**= Green	**C**= Clear (single face only) **W**= White **M**= Mirror

	Arrows	Options			Legend size

	Blank= No arrow
	D= Double arrow
	L= Arrow left
	R= Arrow right
	RL= Right & left
	    (double face)
	UA= Universal field
	    installed arrows
		Blank= No option
		-AD= Advanced Diagnostics (non-audible)[1]
		-NEX= Nexus® wired[1]
		-NEXRF= Nexus® wireless[1]
		-DC= AC/DC remote 6-24 VDC
		-FA= Fire alarm[1]
		-FZ= Flasher & buzzer[1]
		-2CKT= Two circuit, AC only
					Blank= 6" EXIT legend
					-LP= Panel shipped separately
					-X= Back box shipped separately

Example: WLSNX42NRWR-AD

[1]Self-powered only

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Prestige™ DX Series
Die-cast exit sign

Construction
- Faceplate, backplate and canopy are made of die-cast aluminum
- 6 inch EXIT lettering legend, available in red or green
- 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 Advanced Diagnostics on DXN
- Optional Nexus® monitoring system
- 120-277 60Hz

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

Warranty
- Unit has a five-year limited warranty
  Detailed warranty terms located online at:
  www.emergi-lite.com/usa/files/EL_Warranty.pdf

—

Power consumption

Model 6"	AC specs		DC specs
AC-only	120 to 277VAC, 50/60Hz	–	–
AC/DC-remote	120 to 277VAC, 50/60Hz	6 to 48VDC	Less than 1.5W
Self-powered	120 to 277VAC, 50/60Hz	Nickel-cadmium battery	Min. 90 minutes
Model 8"	AC specs		DC specs
AC-only	120 to 277VAC, 50/60Hz	–	–
AC/DC	120 to 277VAC, 50/60Hz	6 to 24VDC	1.6W
Self-powered	120 to 277VAC, 50/60Hz	Nickel-cadmium battery	Min. 90 minutes

Color frame/faceplate colors

Black
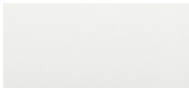
White
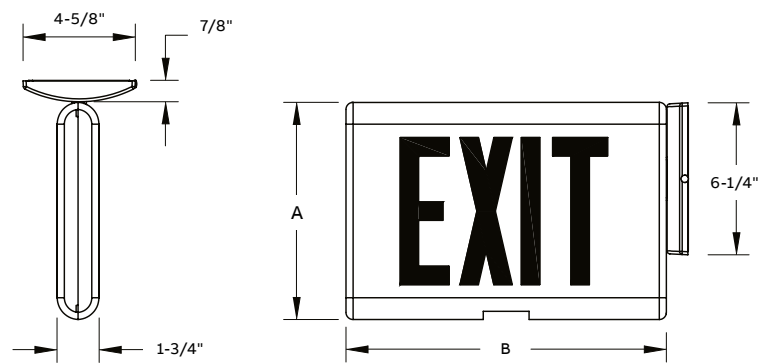
Brushed aluminum

Dark bronze (painted)

Dimensions

Dimensions are approximate and subject to change.

—

Cabinet information

Letters	Dimensions	
	A	**B**
6"	8-7/8"	13-1/16"

—

Accessories (order as a separate item)

Description	Suffix
White pendant	PDW[1]
Black pendant	PDB[1]
Pendant mount gray	PDGY[1]
Wire guard (wall mount) (6 in.)	WG12-E
Wire guard (ceiling mount) (6 in.)	WG5-E
Wire guard (end mount) (6 in.)	WG5-E

[1]Specify pendant length (12", 24", 36", etc.)

—

How to order

Color frame/faceplate	Series	# of faces	Legend color	Letters
Blank= Black/brushed aluminum **WW**= White/white **WA**= White/brushed aluminum **BZ**= Bronze/bronze **BB**= Black/black **AA**= All brushed aluminum	**DXN**= Self-powered unit **DX**= AC/DC[1]	**1**= Single face **2**= Double face	**R**= Red **G**= Green **Open face[2]** **RW**= Red on white **GW**= Green on white	**Blank**= 6" letters

	Diagnostic options	Options	Version
	Blank= Advanced Diagnostic **NEX**= Nexus® wired	**Blank**= Standard **DL**= Damp location **VR**= Vandal resistant screws **VR1**= Polycarbonate shield with tamper proof screws **2CKT**= 2 Circuit (120/120 or 277/277, AC only)[3]	**-N**= New design[3]

Example: DXN1R-N

[1]Not available with Nexus® wired option
[2]Open face required for special wording
[3]Not required for 8" letters

—

Premier™ Compact Series
Thermoplastic Compact Housing

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

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

Lamp type
- Two MR16 LED lamps

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

Battery
- 6V or 12V lead-calcium battery

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

Warranty
- Unit has a five-year warranty (excluding lamps and fuses)[1]
  Detailed warranty terms located online at:
  www.emergi-lite.com/usa/files/EL_Warranty.pdf
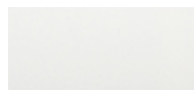
[1]For LED lamps warranty, refer to page 30 paragraph 3.3

Photometric performance

| Lamp | Spacing center-to-center (feet) | |
	7' mounting height	15' mounting height
LA	39'	34'
LG	49'	39'
LI	68'	54'
LJ	89'	80'

Center-to-center spacing

Mounting height

Photometric spacing
for 1FC average

6ft
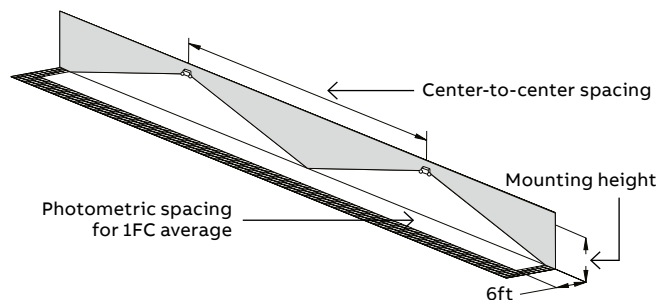
Housing color

White   Black

Dimensions
Dimensions are approximate and subject to change.

—
Unit rating
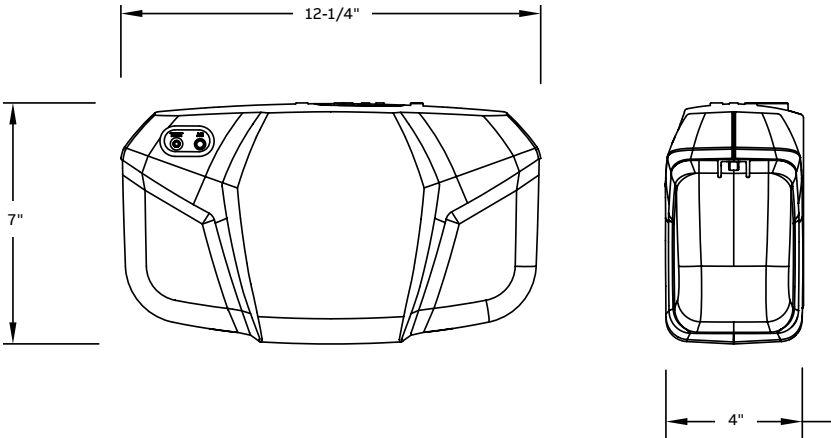
Series	AC specs	AC power stand-by	Voltage	Watts to 87.5% of rated battery voltage[1]			
				1-1/2 hrs	2 hrs	3 hrs	4 hrs
MPR10M		0.06 / 0.03A	0.5W	6V-10W	10	7	5	–
12MPR12M	120/277VAC	0.1 / 0.05A	0.6W	12V-12W	12	9	6	4
12MPR20M		0.1 / 0.05A	0.6W	12V-20W	20	15	10	6

[1]National Electrical Code specification

—
How to order

Housing color	Series/capacity	# of lamps	Lamp type/wattage	Unit type	Options	Approval
Blank= White **B**= Black	**MPR10M**= 6V-10W lead-calcium **12MPR12M**= 12V-12W lead-calcium **12MPR20M**= 12V-20W lead-calcium	**Blank**= No head **2**= 2 heads	**LA**= 2 X 6V-4W, MR16 LED **LG**= 2 X 12V-4W, MR16 LED **LI**= 2 X 12V-5W, MR16 LED **LJ**= 2 X 12V-6W, MR16 LED	**Blank**= Standard **-D**= Advanced Diagnostics (non-audible) **-DA**= Advanced Diagnostics (audible) **-NEX**= Nexus® wired **-NEXRF**= NEXUS® wireless	**Blank**= No option **-CM**= Ceiling mount **-DL**= Damp location[1] **-D3**= Time delay (15 minutes) **-PM**= Pendant mount[2] **-LC**= Line cord (maximum 120V only)	**-CEC**= CEC Title 20 for California

Example: 12MPR12M2LJ-CEC

[1]Not available in MPR10M
[2]-PM sold separately

—

Premier™ Exit Series

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

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

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

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

Electronics
- Optional Advanced Diagnostics
- Optional Nexus® monitoring system
- 120/277 60Hz

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

Warranty
- Unit has a five-year limited warranty
  Detailed warranty terms located online at:
  www.emergi-lite.com/usa/files/EL_Warranty.pdf

—

Power consumption

| Model		AC specs		DC specs
AC-only	120/277VAC, 60Hz	Less than 2.5W	–	–
AC/DC-remote	120/277VAC, 60Hz	Less than 2W	6 to 48VDC	Less than 1.5W
Self-powered	120/277VAC, 60Hz	Less than 3.3W	Ni-Cd battery	Min. 90 minutes
Self-powered diagnostic	120/277VAC, 60Hz	Less than 2.8W	Ni-Cd battery	Min. 90 minutes

—

Housing color
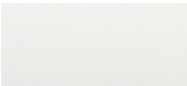
White   Black

Dimensions

Dimensions are approximate and subject to change.

—
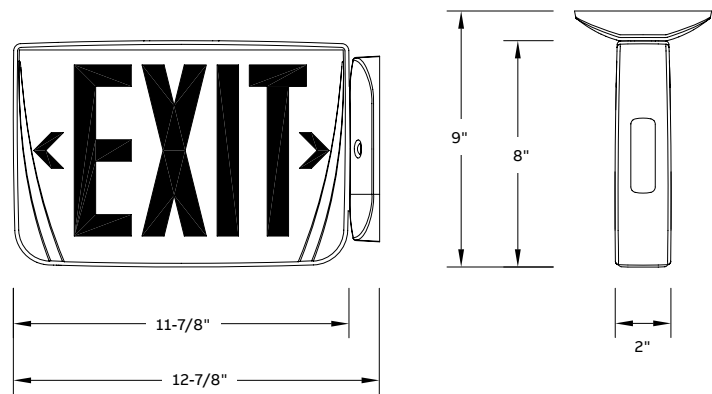
Wire guards

Wall	Ceiling	End
WG1-E	WG5-E	WG5-E

—

Accessories (order as a separate item)

Description	Suffix
Pendant white	PRE-P-WH[1]
Pendant black	PRE-P-BK[1]
Wire guard (wall mount)	WG1-E
Wire guard (ceiling mount and end mount)	WG5-E

[1]Specify pendant length in inches

—

How to order

Housing color	Series	Unit type	Color	Options
W= White **B**= Black	**PREM**= LED plastic EXIT	**AC**= AC only (120/277V) **2C1**= Dual AC circuit (2x120V) **2C2**= Dual AC circuit (2x277V) **U**= 120/277VAC & 6 to 48VDC **SNX**= Self-powered Ni-Cd **DN**= Self-powered advanced diagnostic circuitry **NEX**= NEXUS® wired **NEXRF**= NEXUS® wireless	**R**= Red universal **G**= Green universal **Open face** **RW**= Red on white universal **GW**= Green on white universal (Open face required with special wording legends)	**Blank**= No option **BA**= Brushed aluminum exit stencil **FA**= Fire alarm activated flasher (AC, U, 2C1, 2C2 and DN models only) **FBF**= Flasher buzzer + fire alarm activated flasher (DN model only) **FL**= Flasher **FZ**= Flasher buzzer (DN model only) **1-VR**= Single face vandal-resistant screws[1] **2-VR**= Double face vandal resistant screws[1] **1-VR1**= Single face polycarbonate shield with tamper proof screws[1] **2-VR1**= Double face polycarbonate shield with tamper proof screws[1]

Example: WPREMACR

[1]Please specify single or double face, red or green

—

Provider™ PRO-2N/PRO-3N Series

6V thermoplastic housing protected LED lamps

Housing
- White or black UV stabilized thermoplastic enclosure
- Clear polycarbonate lens covers
- 6V 4W MR16 LED lamps

Mounting
- Surface mount
- Universal J-box mounting

Lamp type
- MR16 LED Lamp, 6V-4W

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

Battery
- 6V lead-calcium battery

Approvals
- UL 924 listed
- Damp location optional (50°F to 104°F)
- BC – California Energy Commission Title 20

Warranty
- Unit has a three-year limited warranty
  Detailed warranty terms located on page 178 or online at:
  www.emergi-lite.com/usa/files/EL_Warranty.pdf

Photometric performance

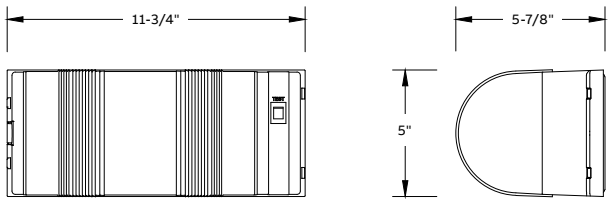| Lamp | Spacing center-to-center (feet) | |
	7' mounting height	15' mounting height
LA	39'	34'

Center-to-center spacing

Photometric spacing
for 1FC average

Mounting height

6ft
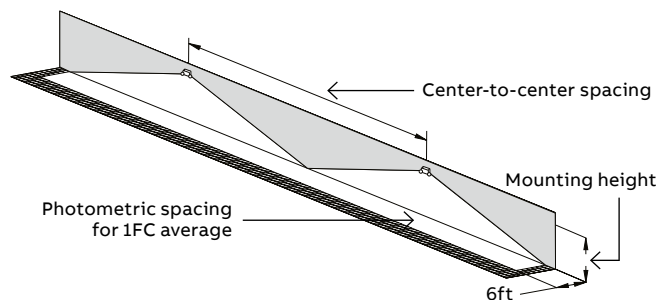
Housing color
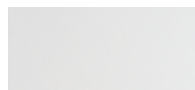
Off white   Black

Dimensions
Dimensions are approximate and subject to change.

Fast and easy installation

Snap-together design eliminates screws

Keyhole slot

Universal mounting pattern

Conduit knockout

AC-quick connect plug

—
Power consumption
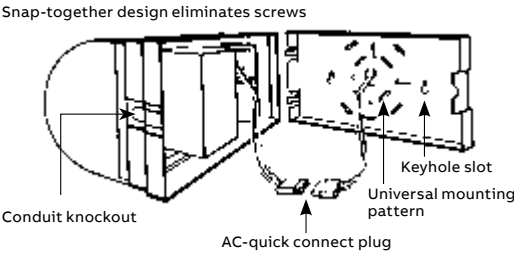
AC Input	Input Current	Maximum Input Power	Stand-By Input Power
120V	0.10A	12W	0.72W
277V	0.05A		

—
Unit rating Chart

			Rated capacity in Watts	
Model number	1-1/2 hrs	2 hrs	3 hrs	4 hrs
PRO-2N -ADCEC	10	8	–	–

*National Electrical Code Specication

—
Accessories (order as a separate item)

Description	Suffix
Additional special bit for tamper-proof screws	690.0454-E
Replacement lamps	
580.0097-E	MR16 LED 6V-4W

—
How to order

Color	Series	Lamp type	Charger type	Options	Approval
Blank= Off white **B**= Black	**PRO-2N**= 6V-10.8W	**-LA**= 6V-4W, MR16 LED	**-AD**= Advanced Diagnostics (audible) **-ADNA**= Advanced Diagnostics (non-audible) **NEXRF**= NEXUS® wireless	**C**= Line cord 120V 3 feet **CM**= Ceiling mount - supplied with metal harness **DL**= Damp location **VR**= Vandal-resistant screws	**-CEC**= CEC Title 20 for California

Example: PRO-2N-LA-AD-CEC

—

JS-HP Series

High performance and labor saving features normally found in higher voltage units

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

Battery
• 12V lead-calcium battery

Approvals
• UL 924 listed
• BC – California Energy Commission Title 20

Warranty
• Unit has a five-year limited warranty
Detailed warranty terms located online at:
www.emergi-lite.com/usa/files/EL_Warranty.pdf

—

Unit rating

Series	AC specs		AC power stand-by	Voltage	Watts to 87.5% of rated battery voltage[1]			
					1-1/2 hrs	2 hrs	3 hrs	4 hrs
12JSM36-2	120/277VAC	0.14 / 0.07A	0.66W	12V 36W	36	27	18	13

[1]National Electrical Code specification

Dimensions
Dimensions are approximate and subject to change.
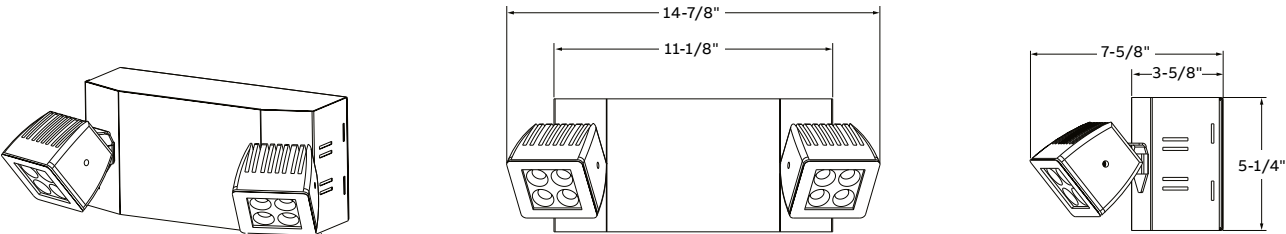
Photometric performance

The JS-HP Series of LED emergency lights deliver a stable and consistent illumination on the path of egress for a wide range of mounting heights. Depending on the application, one may select and specify among three level of lumen output and cross reference to traditional incandescent emergency lights below.

NEMA 1 environment: wall mounted equipment, reflectances: 10/10/10; 6-ft wide illumination path. 200 ft X 200 ft X 30 ft space.

Illumination as per NFPA101;
Average: 1fc; Min: 0.1fc; Max/min< 40:1

—
Illumination

LED head	Power	lumens	Out-perform spacing of the incandescent
L6	6W	565	35W PAR36, MR16 halogen
L10	10W	1000	50W PAR36, MR16 halogen
L15	15W	1300	50W MR16-IR halogen
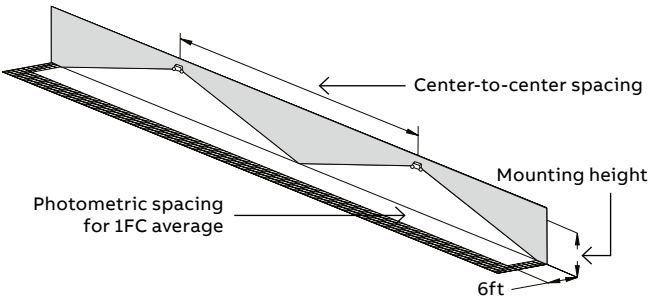
—
NEMA 1 environment – wall mounted equipment

Mounting height	Spacing center-to-center (feet)		
	Lamp l6 / 6w, 565lm	Lamp l10 / 10w, 1000lm	Lamp l15 / 15w, 1300lm
10 ft	80	110	140
15 ft	70	105	135
20 ft	60	100	130
25 ft	50	95	120

Center-to-center spacing

Mounting height

Photometric spacing for 1FC average

6ft

—
Accessories (order as a separate item)

Description	Suffix
Mounting bracket	BJ-E
Wire guard (front mounted heads)	WG10-E

—
How to order

Color	Series/capacity	# of lamps	Head style	Head mounting	Options	Approval
B= Black[1] **G**= Gray	**12JSM36**= 12V-36W, lead-calcium	**-2**= Two heads	**L6**= 12V-6W (565 lumens/head) **L10**= 12V-10W (1000 lumens/head) **L15**= 12V-15W (1300 lumens/head)	**FM**= Front mount	**-AD**= Advanced Diagnostics (audible) **-ADNA**= Advanced Diagnostics (non-audible) **-NEXRF**= NEXUS® wireless **-C**= Line cord 120V 3 feet **-D3**= Time delay (15 minutes)	**-CEC**= CEC Title 20 for California[2]

Example: G12JSM36-2L15FM-AD-CEC

[1]Available with 15 watt heads only
[2]Must choose AD, ADNA or NEXRF option

—

JS Series

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

Housing

- Steel housing
- Standard off-white finish, optional black finish
- Choice of MR16 LED lamp 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 Advanced Diagnostics
- Optional Nexus® monitoring system
- 120/277 60Hz

Battery

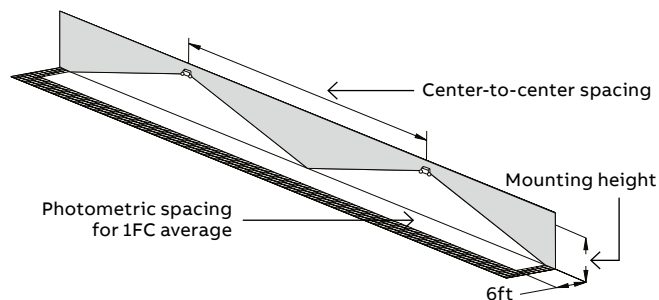- 6V or 12V lead-calcium battery

Approvals

- UL 924 standard
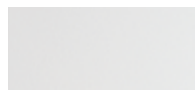- BC – California Energy Commission Title 20

Warranty

- Unit has a three-year limited warranty
  Detailed warranty terms located online at:
  www.emergi-lite.com/usa/files/EL_Warranty.pdf

Photometric performance

Lamp	Spacing center-to-center (feet)	
	7' mounting height	15' mounting height
LA	43'	36'
LG	55'	43'
LI	71'	56'
LJ	100'	85'

Center-to-center spacing

Mounting height

Photometric spacing for 1FC average

6ft

Housing color

Off white

Black

Dimensions

Dimensions are approximate and subject to change.

EF150   EF10

—
Cabinet information

Cabinet size		Dimensions		
	A	**B**	**C**	**D**
S	11-3/8" // 9-3/4"	11"	3-1/2"	5-1/4"
L	12-3/8" // 10-3/4"	12-3/4"	4"	6-1/4"

—
Unit rating

Series	AC specs		AC power stand-by	Voltage	Watts to 87.5% of rated battery voltage[1]			
					1 1/2 hrs	**2 hrs**	**3 hrs**	**4 hrs**
JSM9				6V 9W	9	6	4	–
JSM18				6V 18W	18	12	9	6
JSM27	120/277VAC	0.09 / 0.04A	0.62W	6V 27W	27	18	13	10
JSM36				6V 36W	36	24	18	13
JSM54				6V 54W	54	36	27	20
12JSM20				12V 20W	20	13	10	7
12JSM36	120/277VAC	0.14 / 0.07A	0.66W	12V 36W	36	24	18	13
12JSM54				12V 54W	54	36	27	20

[1]National Electrical Code specification

—
Accessories (order as a separate item)

Description	Suffix
Mounting bracket (S cabinet only)	BJ-E
Wire guard (S cabinet only)	WG1-E
Wire guard (L cabinet only)	WG2-E
Wire guard (front mounted heads)	WG10-EG

[1]S cabinet only, order on separate line

—
How to order

Color	Series/capacity	# of lamps	Head style	Lamp type/wattage	Options	Approval
Blank= Off white **B**= Black	**JSM9**= 6V-9W, lead-calcium **JSM18**= 6V-18W, lead-calcium **JSM27**= 6V-27W, lead-calcium **JSM36**= 6V-36W, lead-calcium **JSM54**= 6V-54W, lead-calcium **12JSM20**= 12V-20W, lead-calcium **12JSM36**= 12V-36W, lead-calcium **12JSM54**= 12V-54W, lead-calcium	**-0**= No head **-1**= One head **-2**= Two heads **-3**= Three heads	**10**= Mini plastic MR16 **150**= EF150 lamp heads	**LA**= 6V-4W, MR16 LED **LG**= 12V-4W, MR16 LED **LI**= 12V-5W, MR16 LED **LJ**= 12V-6W, MR16 LED	**-AD**= Advanced Diagnostics (audible) **-ADNA**= Advanced Diagnostics (non-audible) **-NEXRF**= NEXUS® wireless (contact your sales representative) **-C**= Line cord 120V 3 feet **-D3**= Time delay (15 minutes) **-FM**= Front mounted heads	**-CEC**= CEC Title 20 for California[1]

Example: 12JSM36-210LI-AD-CEC

[1]Must choose AD, ADNA or NEXRF option

—

X10 LED Series

Steel LED exit and mini-system combination units

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

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

Exit sign
- X14 model, exit sign, AC-Only, 120/277VAC, 50/60Hz
- SNX14 model, nickel-cadmium battery

Electronics
- Optional Advanced Diagnostics
- Optional Nexus® monitoring system
- 120/277 60Hz

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

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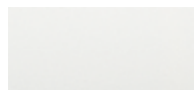- E-California Energy Commission Title 20 (Exit Sign Models only)

Warranty
- Unit has a three-year limited warranty
  Detailed warranty terms located online at:
  www.emergi-lite.com/usa/files/EL_Warranty.pdf

Photometric performance

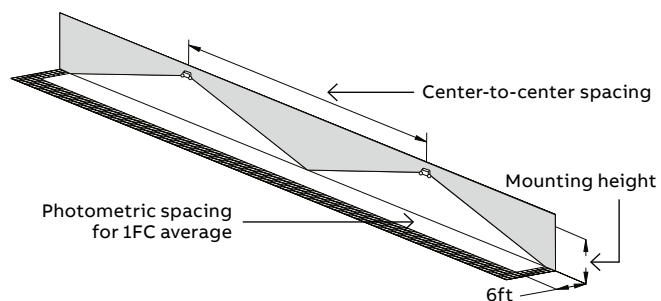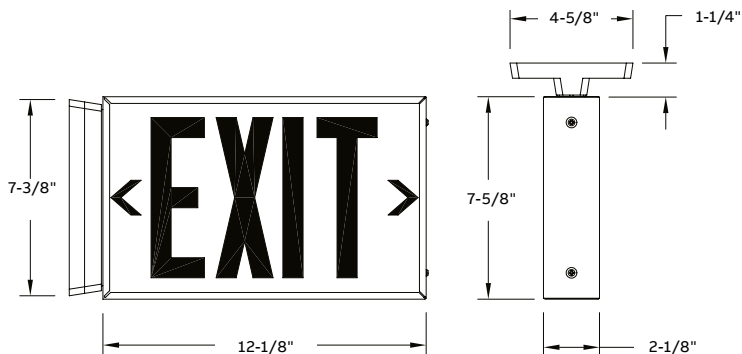| | Spacing center-to-center (feet) | |
Lamp	7' mounting height	15' mounting height
LA	43'	36'

Housing color

White

Black

Textured aluminum

Dimensions

Dimensions are approximate and subject to change.

—
Power consumption – LED exit signs

Model	AC specs		DC specs	
AC-only	120 to 277 VAC	Less than 1.5W	–	–
AC/DC	120 to 277 VAC	Less than 1.5W	6 to 24 VDC	Less than 1.5W
Self-powered	120 to 277 VAC	Less than 3W	Nickel-cadmium	Min. 90 minutes

—
Accessories (order as a separate item)

Description	Suffix
White pendant	P-WT[1]
Black pendant	P-BK[1]
Wire guard ceiling mount	WG5-E
Wire guard end mount	WG5-E
Wire guard for wall mount	WG12-E

[1]Specify pendant length in inches

—
How to order

DC input	Series	Housing color	Battery type	Legend colors	Options
Blank= No DC input **DC**= 6V to 24VDC[1]	**L**= LED exit sign	**W**= White **B**= Black **A**= Textured aluminum	**Exit sign models** **X14**= AC only or AC/DC **SNX14**= Ni-Cd 120/277VAC	**R**= Red **G**= Green **Open face²** **RW**= Red/white **WR**= White/red **GW**= Green/white **WG**= White/green	**Blank**= No option **-AD**= Advanced Diagnostics (audible) **-ADNA**= Advanced Diagnostics (non-audible) **-NEX**= NEXUS® wired **-NEXRF**= NEXUS® wireless **-D3**= Time delay (15 minutes) **-VR**= Tamper-proof screws **-VR1**= Polycarbonate shield with tamper-proof screws

Example: DCLWX14R-VR

[1]Only available on exit sign models
[2]Open face required with special wording legends

—

Prestige™ Economizer Series – Slim profile surface mount
LED edge-lit exit sign

Construction
- Die-cast aluminum housing
- Panel features a curved contour for maximum illumination and clarity
- 6 inch EXIT lettering legend available in red or green
- Field installed stick-on chevrons
- Choice of housing and trim plate finishes, off white or textured aluminum

Mounting
- Surface mount
- Canopy included for wall, end or ceiling mount applications

Special wording panels
- Available. Contact your sales representative with your design requirement
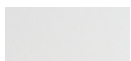
Electronics
- 120/277 60Hz

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

Warranty
- Unit has a five-year limited warranty
  Detailed warranty terms located online at:
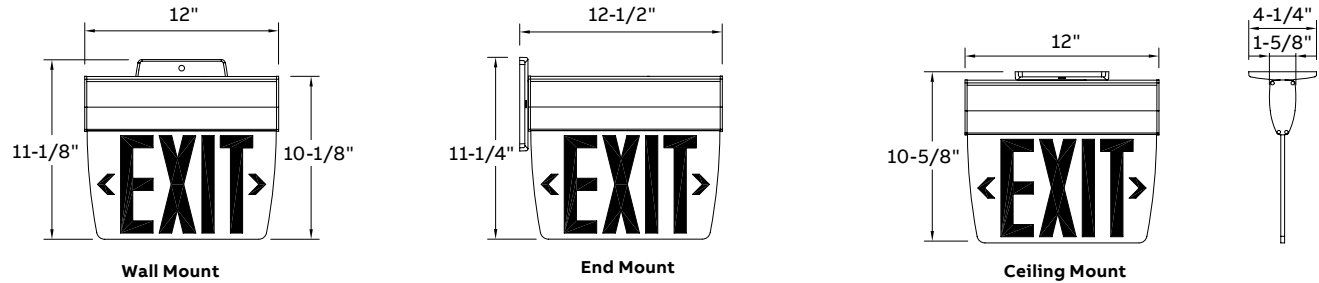 **www.emergi-lite.com/usa/files/EL_Warranty.pdf**

Housing color

Off white   Textured aluminum

Dimensions

Dimensions are approximate and subject to change.

Wall Mount

End Mount

Ceiling Mount

—

Power consumption

Model	AC specs		DC specs	
AC-only	120 to 277VAC	Less than 2W	–	–
AC/DC	120 to 277VAC	Less than 2W	6 to 24VDC	Less than 1.5W
Self-powered	120 to 277VAC	Less than 3W	Ni-Cd battery	Min. 90 minutes

—

Accessories (order as a separate item)

Description	Suffix
White pendant	PE-P-WH[1]
Black pendant	PE-P-BK[1]

[1]Specify pendant length

—

How to order – Surface mount series

Housing color	Series	Face	Legend color
TA= Textured aluminum **OW**= Off white	**PE**= AC **PES**= AC/DC **PEN**= Self-powered	**1**= Single face **2**= Double face	**RC**= Red on clear[1] **RW**= Red on white **RM**= Red on mirror **GC**= Green on clear[1] **GM**= Green on mirror
Example: TAPE1RC			

[1]Single face only

Preceptor™ Series
Die-cast aluminum LED exit sign

Construction
- Die-cast aluminum housing
- Panel features a curved contour for maximum illumination and clarity
- 6 inch EXIT lettering legend available in red or green
- Field-selectable chevrons
- Choice of finishes: white, black or brushed aluminum

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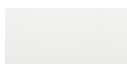- Universal J-box mounting

—
Power consumption

Model		AC specs		DC specs
AC-only	120/277VAC	Less than 2.5W	–	–
AC/DC-remote	120/277VAC	Less than 2W	6 to 48VDC	Less than 1.5W
Self-powered	120/277VAC	Less than 3W	Ni-Cd battery	Min. 90 minutes
Self-powered with diagnostic	120/277VAC	Less than 2.8W	Ni-Cd battery	Min. 90 minutes

Housing color

Black   White   Brushed aluminum

Electronics
- Optional Advanced Diagnostics
- Optional Nexus® monitoring system
- 120/277 60Hz

- **Special wording panels:**
- Available. Contact your sales representative with your design requirements
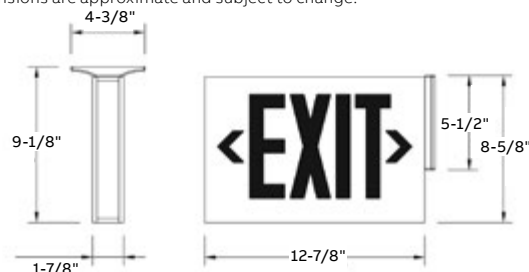
Approvals
- UL 924 listed
- Damp location optional (50°F to 104°F)
- Meets NFPA101 (Life Safety Code), NFPA 70 NEC, OSHA illumination standards
- E-California Energy Commission Title 20

Warranty
- Unit has a five-year limited warranty
  Detailed warranty terms located online at:
  www.emergi-lite.com/usa/files/EL_Warranty.pdf

Dimensions
Dimensions are approximate and subject to change.

4-3/8"   9-1/8"   1-7/8"   5-1/2"   8-5/8"   12-7/8"

—
How to order

Housing color	Series/models	# of faces	Legend color	Options
BA= Black body/aluminum face **WW**= White body/white face **WA**= White body/aluminum face **BB**= Black body/black face **AA**= Brushed aluminum body and face	**P**= AC only (120/277 volts) **P2C1**= Dual AC circuit (2 x 120V) **P2C2**= Dual AC circuit (2 x 277V) **PU**= 120/277VAC & 6 to 48VDC **PDN**= Self-powered, No Advanced Diagnostics **PXN**= Self-powered Advanced Diagnostics **NEX**= Nexus® wired (contact your sales representative) **NEXRF**= NEXUS® wireless (contact your sales representative)	**1**= Single face **2**= Double face	**R**= Red **G**= Green **Open face**[1] **RW**= Red on white **GW**= Green on white	**Blank**= No options **DL**= Damp location **FA**= Fire alarm activated flasher (Not available with PDN) **FBF**= Flasher buzzer + fire alarm activated flasher[2] **FL**= Flasher[2] **FZ**= Flasher buzzer[2] **VR**= Tamper-proof screws **VR1**= Polycarbonate shield with tamper-proof screws

Example: BAPU2R

[1]Note: Open face required with special wording legends
[2]PXN, PNEX and PNEXFR models only

—

Preceptor™ Recessed Series

Die-cast LED exit sign

Construction
- Die-cast aluminum faceplate
- Panel features a curved contour for maximum illumination and clarity
- 6 inch EXIT lettering legend available in red or green
- Field-selectable chevrons
- Choice of finishes: white, black or brushed aluminum

Mounting
- Fully recessed mount

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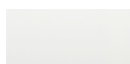- Standard Advanced Diagnostics (self-powered models)
- 120/277 60Hz

—

Power consumption

Model	AC specs		DC specs	
AC-only	120/277VAC	1.4W	–	–
Self-powered	120/277VAC	1.7W	Ni-Cd battery	Min. 90 minutes

Housing color

Black   White   Brushed aluminum

Special wording panels:
- Available. Contact your sales representative with your design requirements
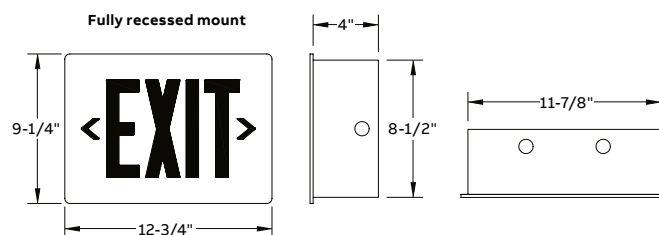
Approvals
- UL 924 listed
- Meets NFPA101 (Life Safety Code), NFPA 70 NEC, OSHA illumination standards
- E-California Energy Commission Title 20

Warranty
- Unit has a five-year limited warranty
  Detailed warranty terms located online at:
  www.emergi-lite.com/usa/files/EL_Warranty.pdf

Dimensions
Dimensions are approximate and subject to change.

Fully recessed mount

—

How to order

Recessed	Face color	Series	# of faces
FR= Fully recessed	**Blank**= Aluminum face **B**= Black face **W**= White face	**LEDP**= AC only **LEDPXN**= Self-powered Advanced Diagnostic Ni-Cd	**1**= Single face

Legend color	Options	Version
R= Red **G**= Green **RW**= Red on white (open face) **GW**= Green on white (open face)	**DL**= Damp location **FA**= Fire alarm activated flasher (self-powered) **FZ**= Flasher buzzer (self-powered) **VR**= Vandal-resistant screws **VR1**= Polycarbonate shield with tamper-proof screws **-2CKT**= Dual circuit operation (AC models only)	**-N**= New design **Example: FRBLEDP1R-VR1-N**

—

HP Series

NEMA-4X, high-performance industrial battery unit

Housing
- Compact gray fiberglass housing with captive screws
- NEMA-4X rated
- All external fasteners and hardware are constructed of stainless steel
- Die-cast aluminum LED heads

Mounting
- Simple and easy to install on walls, poles, columns, struts also on vertical
- Pole or column installation bracket sold separately (order catalog number: PMK1-E)
- 1/2" NPT conduit entry on top or side

Performance
- High temperature lead-calcium battery operates 32°F to 122°F (0°C to 50°C) optional cold-weather -40°F to 122°F (-40°C to 50°C)
- 6W, 10W and 15W high efficacy LED emergency heads outperform traditional 50W MR16-IR halogen
- Innovative head design: four-LED and dual- driver provide illumination even in case of unexpected component failure

Electronics
- Infra-red remote control included in all models: allows testing the equipment without the need to climb a ladder. Distance range up to 30 ft. Universal, one remote control may test all the units on the job
- Pulse plus charger
- Low voltage disconnect
- Automatic brownout protection
- Battery lock-out
- Fused output circuit
- Standard Advanced Diagnostics
- Optional Nexus® monitoring system
- 120/277 60Hz

Approvals
- UL 924 listed
- BC – California Energy Commission Title 20

Warranty
- 5-year limited warranty Detailed warranty terms located on page 178 or online at: **www.emergi-lite.com/usa/files/EL_Warranty.pdf**

Remote test control

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Power Consumtion

Model #	AC Input	Input Current	Maximum Input Power	Stand-By Input Power
12HPM	120VAC	0.20A	25W	0.74W
	277VAC	0.10A		
12HPM-CW4	120VAC	0.40A	50W	Note[1]
	277VAC	0.25A	60W	

[1] Stand-by power consumtion of the battery charger: 0.74W

—

Unit rating

Model	Watts to 87-1/2% of rated battery voltage: standard Tamb range[1]			
	1-1/2 hrs	2 hrs	3 hrs	4 hrs
12HPM30	30	20	15	10
12HPM60	60	40	30	20

[1] The cold-weather option is only rated for 90 minutes

Dimensions
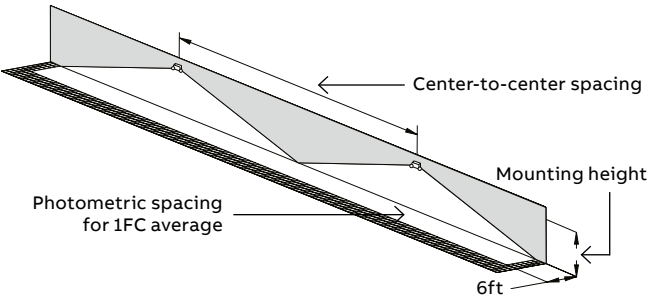Dimensions are approximate and subject to change.
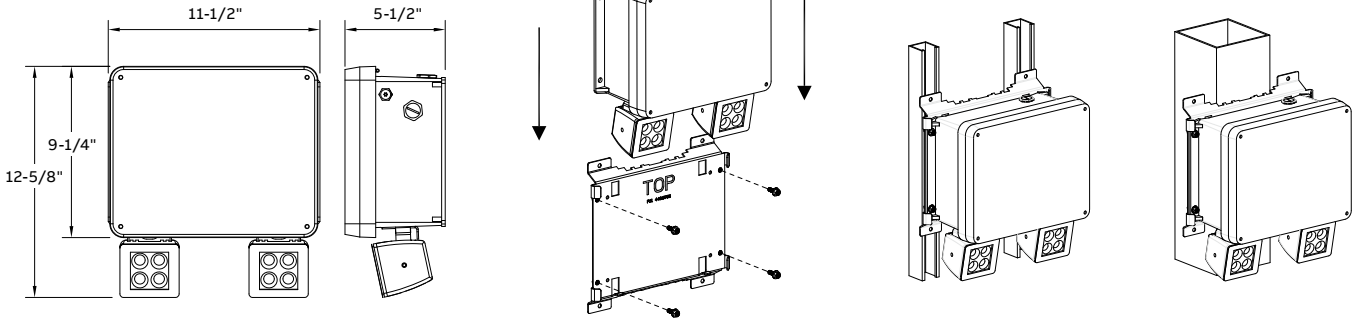
Photometric performance

Whether installed indoors or outdoors, the **HP Series** of LED emergency lights deliver a stable and consistent illumination on the path of egress for a wide range of mounting heights. Depending on the application, one may select and specify among three levels of lumen output. See cross reference to traditional incandescent emergency lights in table to the right.

LED head	Power	Lumens	Out-perform spacing of incandescent lamps
L6	6W	565	35W PAR36, MR16 halogen
L10	10W	950	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	125
15 ft.	75	110	130
20 ft.	68	110	125
25 ft.	60	105	120
30 ft.	50	95	110
35 ft.	-	80	105
40 ft.	-	80	95

Industrial environment: wall mounted equipment, reflectances: 10/10/10; 6-ft. wide illumination path. 200 ft. X 200 ft. X 30 ft. space.
Illumination as per NFPA101;
Average: 1fc; Min: 0.1fc; Max/min< 40:1

—
How to order

Series	Battery type and capacity	# of heads	LED heads	Diagnostic	Options	Approval
12HP= High-performance	**Lead-calcium** **M30**= 12V-30W, high temperature lead-calcium battery,temperature= 32°F to 122°F [0…50°C] **M60**= 12V-60W, high temperature lead-calcium battery, temperature= 32°F to 122°F [0…50°C]	**0**= No head **1**= One head **2**= Two heads	**L6**= 12-24V, 6W (565 Lumens) **L10**= 12-24V, 10W (1000 Lumens) **L15**= 12-24V, 15W (1300 Lumens)	**D**= Advanced Diagnostic, non-audible[1] **DA**= Advanced Diagnostic, audible[1] **NEX**= Nexus® wired (contact your sales representative)[1] **NEXRF**= NEXUS® wireless (contact your sales representative)[1]	**CW4**= Cold-weather - 40°F [-40°C] **D3**= Time delay 15 minutes **RFI**= Radio frequency interference filter	**-CEC**= CEC Title 20 for California

Example: 12HPM302L6DRFI-CEC

[1]Standard - minimum load required: 20% of load capacity

—

Survive-All™ SV Series

NEMA-4X, NSF, vandal-resistant housing – 6V-18W & 12V up to 54W capacities

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

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

Lamp type
- Choice of MR16 LED lamp wattages

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

Battery
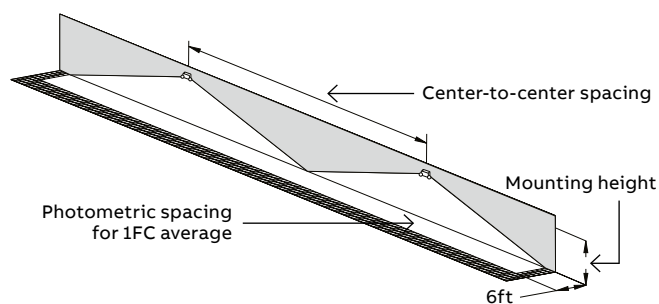- 6V or 12V lead-calcium battery

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

Warranty
- Unit has a five-year limited warranty Detailed warranty terms located online at: **www.emergi-lite.com/usa/files/EL_Warranty.pdf**

Photometric performance

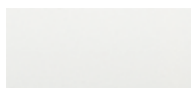| Lamp	Spacing center-to-center (feet)	
	7' mounting height	15' mounting height
LA	39'	34'
LG	49'	39'
LI	68'	54'
LJ	89'	80'

Housing color
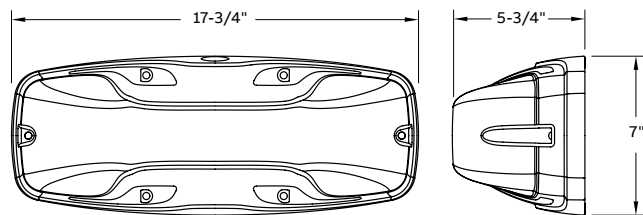
Black   Gray   White

Dimensions
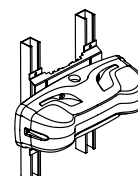Dimensions are approximate and subject to change.

Universal bracket

17-3/4"   5-3/4"   7"
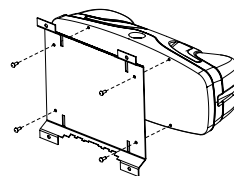
PMK kit (screws included)   **Beam mounting**   **Strut mounting**
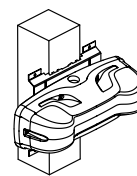
—
Unit rating

					Watts to 87.5% of rated battery voltage[1]			
Series	AC specs		AC power stand-by	Voltage	1 1/2 hrs	2 hrs	3 hrs	4 hrs
SV18M	120/277VAC	0.06 / 0.03A	0.55W	6V 18W	18	12	9	6
12SV24M				12V 24W	24	16	12	8
12SV36M	120/277VAC	0.10 / 0.05A	0.65W	12V 36W	36	24	18	14
12SV54M				12V 54W	54	36	27	20

[1]National Electrical Code specification

—
Accessories (order as a separate item)

Description	Part number
Additional special bit for tamper-proof screws	690.0454-E
Universal bracket (for mounting on poles, I-beams or strut metal framing)	PMK-E

—
How to order

Color	Series	# of lamps	Lamps	Diagnostics	Options	Approval
B= Black **G**= Gray **W**= White	**SV18M**= 6V-18W lead-calcium **12SV24M**= 12V-24W lead-calcium **12SV36M**= 12V-36W lead-calcium **12SV54M**= 12V-54W lead-calcium	**-2**= 2 Lamps	**LA**= 6V-4W, MR16 LED **LG**= 12V-4W, MR16 LED **LI**= 12V-5W, MR16 LED **LJ**= 12V-6W, MR16 LED	**-DA**= Advanced Diagnostics (audible)[1] **-D**= Advanced Diagnostics (non-audible)[1] **-NEXRF**= NEXUS® wireless (contact your sales representative)[2]	**Blank**= No options **CW4**= Cold weather -40°F to 104°F (-40°C to +40°C)[2] **-SMC**= Surface ceiling mount	**-CEC**= CEC Title 20 for California

Example: B12SV36M-2LG-D-CW4-CEC

[1]Minimum lamp load: 20% of unit capacity
[2]Only available with: 12SV24M & 12SV36M and NEX & NEXRF

—

Survive-All™ SVX Series

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

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 for NSF location and tamper-proof screws
- 6 inch EXIT lettering legend, available in red or green
- Field-selectable chevrons
- Choice of finishes: black, white, gray or brushed aluminum

Mounting

- Surface mount
- 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
- 1/2 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 Advanced 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)
- UL listed for cold weather option (-40°C to +40°C/-40°F to +104°F)
- Meets NFPA101 (Life Safety Code), NFPA 70 NEC, OSHA illumination standards
- E-California Energy Commission Title 20

Warranty

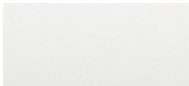- Five-year limited warranty Detailed warranty terms located online at: **www.emergi-lite.com/usa/files/EL_Warranty.pdf**

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Power consumption

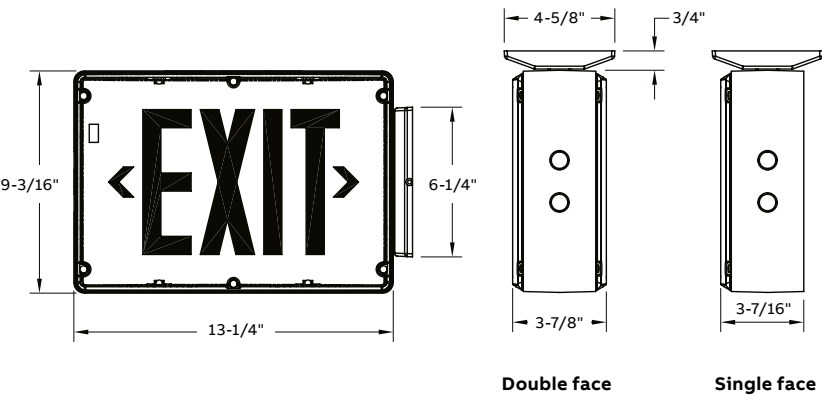| Model	AC specs	DC specs
AC-only	120-277VAC, 50/60Hz (1.2W)	–
AC/DC	120-277VAC, 50/60Hz (1.2W)	6 to 24VDC (less than 1.5W)
Self-powered	120-277VAC, 50/60Hz (3.7W)	Ni-Cd battery (min. 90 minutes)

Housing color

Black   White   Gray   Brushed aluminum

Dimensions
Dimensions are approximate and subject to change.

Double face   **Single face**

—
Accessories (order as a separate item)

Description	Part number
Tamper-proof bit	690.0454-E
Convert single to double face, red	DFKR[1]
Convert single face to double face, green	DFKG[1]
Additional test magnet	199.0133-E

[1]Colors available AL-BK-WT

—
How to order

Housing color	Series	Face	Legend	Charger type	Housing	Options
BB= 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	**SVX**= AC only **SVXN**= Self-powered Ni-Cd	**1**= Single **2**= Double	**R**= Red **G**= Green	**Blank**= AC only **-D**= Diagnostic (Self-powered only) **-NEX**= NEXUS® wired **-NEXRF**= NEXUS® wireless	**-4X**= Wet/damp locations[1]	**Blank**= No options **-2CKT**= Dual circuit (AC only)[2] **-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)[4] **-CM**= Canopy pendant mount[5] **-DC**= 6 to 24VDC[3] **-FA**= Fire alarm activated flasher[2] **-FL**= Flasher only[2] **-FZ**= Flasher/buzzer (self-powered only)[2]

Example: BBSVXN1R-D-4X-FA

[1]NEMA 4X rated for wall or ceiling mount only
[2]Not available with Nexus® option
[3]Not available with self-power
[4]Not available on AC only, must order self-powered or AC-DC
[5]Not Nema-4X rated

—

HPH Series

Class I Division 2, Groups A, B, C and D, Class II Division 2 Groups F and G & Class III. NEMA-4X High-performance unit equipment for hazardous, damp and wet locations.

Housing
- Class I, Div. 2, Groups A, B, C & D, Class II Div. 2, Groups F & G, Class III
- Compact gray fiberglass housing with captive screws
- NEMA-4X rated
- All external fasteners and hardware are constructed of stainless steel
- Die-cast aluminum LED heads

Mounting
- Simple and easy to install on walls, columns and struts
- Column installation bracket sold separately (order catalog number: PMK1-E)
- 1/2" NPT conduit entry on top or side

Performance
- High temperature lead-calcium battery operates 32°F to 122°F (0°C to 50°C) optional cold-weather -40°F to 122°F (-40°C to 50°C)
- 15W high efficacy LED emergency heads outperform traditional 50W MR16-IR halogen
- Innovative head design: four-LED and dual- driver provide illumination even in case of unexpected component failure

Remote test control

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Classification for hazardous locations

Lamp rating	Temperature code	Replacement part # Lead-acid Ta= 122°F/50°C
L15 (15W)	Class I Division 2 Groups A, B, C and D	T3A T5
	Class II Division 2 Groups F and G; Class III	
No heads	Class I Division 2 Groups A, B, C and D	T4A T6
	Class II Division 2 Groups F and G; Class III	

Electronics
- Infra-red remote control included in all models: allows testing the equipment without the need to climb a ladder. Distance range up to 30 ft. Universal, one remote control may test all the units on the job
- Pulse plus charger
- Low voltage disconnect
- Automatic brownout protection
- Battery lock-out
- Fused output circuit
- Standard Advanced Diagnostics
- Optional Nexus® monitoring system
- 120/277 60Hz

Approvals
- UL 924 listed
- Listed to the UL844 Standard for Class I, Division 2, Groups A, B, C & D, Class II, Division 2, Groups F & G and Class III
- BC – California Energy Commission Title 20

Warranty
- Unit has five-year limited warranty Detailed warranty terms located on page 178 or online at: **www.emergi-lite.com/usa/files/EL_Warranty.pdf**

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Power Consumtion

Model #	AC Input	Input Current	Maximum Input Power	Stand-By Input Power
12HPHM	120VAC 277VAC	0.20A 0.10A	30W	0.74W
12HPHM-CW4	120VAC 277VAC	0.40A 0.25A	50W 60W	Note[1]

[1]**Stand-by power consumtion of the battery charger: 0.74W**

—
Unit rating

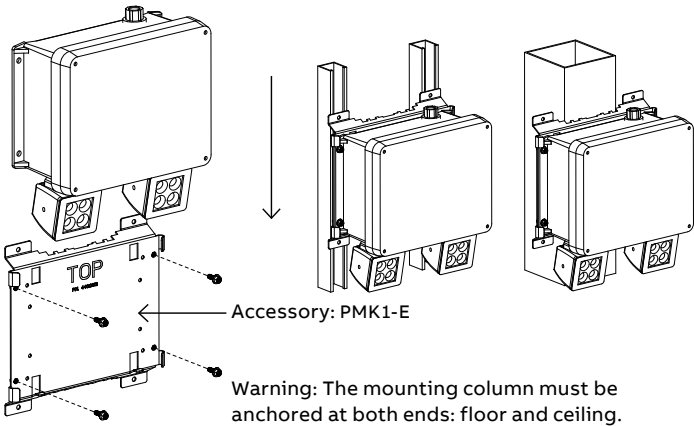| Model	Watts to 87-1/2% of rated battery voltage: standard Tamb range[1]			
	1-1/2 hrs	2 hrs	3 hrs	4 hrs
12HPHM30	30	20	15	10
12HPHM60	60	40	30	20

[1]The cold-weather option is only rated for 90 minutes

Dimensions
Dimensions are approximate and subject to change.

Installation

Accessory: PMK1-E

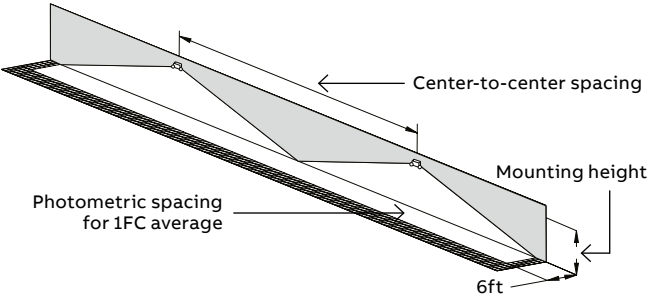Warning: The mounting column must be anchored at both ends: floor and ceiling.

Photometric performance
Whether installed indoors or outdoors, the **HPH Series** of LED emergency lights deliver a stable and consistent illumination on the path of egress for a wide range of mounting heights.

LED head	Power	Lumens	Out-perform spacing of incandescent lamps
L6	6W	565	35W PAR36, MR16 halogen
L10	10W	950	50W PAR36, MR16 halogen
L15	15W	1300	50W MR16-IR halogen

Mounting height	Spacing center-to-center (feet)		
	Lamp L6 6W, 565Lm	Lamp L10 10W, 950Lm	Lamp L6 15W, 1300Lm
10 ft.	80	110	140
15 ft.	70	105	135
20 ft.	60	100	130
25 ft.	50	95	120
30 ft.	45	85	110
35 ft.	-	85	105
40 ft.	-	80	95

Center-to-center spacing

Mounting height

Photometric spacing for 1FC average

6ft

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

—
How to order

Series	Battery type and capacity	# of heads	LED heads	Diagnostic	Options	Approval
12HPH= 12V high-performance Cl. I Div.2, Cl. II Div.2, Cl. III	**Lead-calcium** **M30**= 12V-30W, lead-calcium battery 32°F to 122°F [0... 50°C] **M60**= 12V-60W, lead-calcium battery 32°F to 122°F [0... 50°C]	**0**= No head **1**= One head **2**= Two heads	**L15**= 12-24V, 15W (1300 Lumens)	**D**= Advanced Diagnostic, non-audible[1] **DA**= Advanced Diagnostic, audible[1] **-NEX**= Nexus® wired (contact your sales representative)[1] **-NEXRF**= NEXUS® wireless (contact your sales representative)[1] **ND**= No Advanced Diagnostic	**D3**= Time delay 15 min. **RFI**= Radio frequency interference filter **CW4**= Cold-weather package -40°C / -40°F To order separately: Universal mounting bracket: PMK1-E	**-CEC**= CEC Title 20 for California

Example: 12HPM302L15D-CEC

[1]Minimum load required: 20% of load capacity

—

Literay™ Series

Wall mount remote head for damp and wet locations

NEMA-3R (UL)

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

Mounting
- Surface wall mount
- Universal J-box mounting

Lamp type
- Choice of MR16 LED lamp wattages

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

Warranty
- Unit has a three-year limited warranty
  Detailed warranty terms located online at:
  www.emergi-lite.com/usa/files/EL_Warranty.pdf

Photometric performance

	Spacing center-to-center (feet)
Lamp	7 ft. mounting height
LG frosted lens	16'
LG clear lens	28'

Center-to-center spacing

Mounting height

Photometric spacing
for 1FC average

6ft
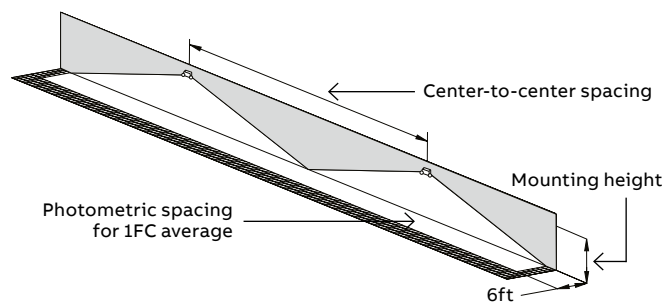
Housing color
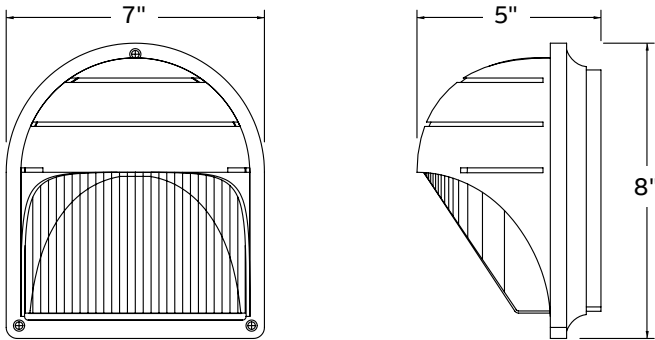
White   Black   Dark gray   Dark bronze

Dimensions

Dimensions are approximate and subject to change.

—

How to order

Series	No. of lamps	Lamp type/Wattage	Color	Options
LITE= Exterior remote	**-2**= 2 lamps (standard)	**(LA)**= 6V-4W, MR16 LED **(LG)**= 12V-4W, MR16 LED **(LI)**= 12V-5W, MR16 LED **(LJ)**= 12V-6W, MR16 LED **(LL)**= 24V-4W, MR16 LED **(LV)**=120V-4W, MR16 LED	**-WT**= White **-BK**= Black **-DG**= Dark gray **-BZ**= Dark bronze	**Blank**= No options **-VR**= Vandal-resistant screws **-N**= Clear lens

Example: LITE-2(LA)-WT-VR

—

Distinction™ DC Series

Remote recessed designer light fixtures

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

Finish
- Choice of white, black, brushed nickel

Mounting
- Recessed ceiling mount
- Must order appropriate housing with decorative head selection for installation into new construction ceiling (EL-GRHR03) or non-insulated ceiling (EL-GRHR05) GU10 or insulated ceiling (EL-GRHR06)

Approval
- UL listed

Warranty
- Unit has a three-year limited warranty Detailed warranty terms located online at: **www.emergi-lite.com/usa/files/EL_Warranty.pdf**
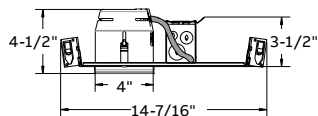
Photometric performance

Lamp	Spacing center-to-center (feet)	
	7' mounting height	15' mounting height
LA	43'	36'
LG	55'	43'
LI	71'	56'
LJ	100'	85'
LL	56'	44'
LM	100'	85'
LV	43'	39'

Center-to-center spacing

Mounting height

Photometric spacing for 1FC average

6ft
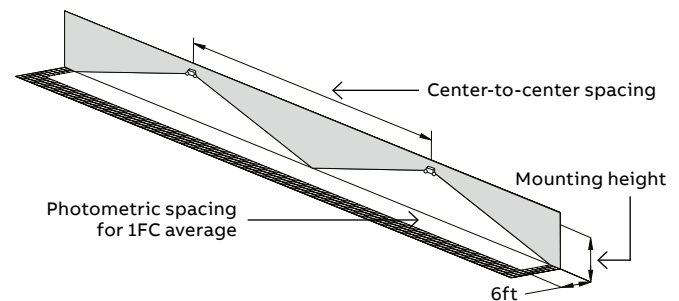
Dimensions
Dimensions are approximate and subject to change.

New construction housing for GU10

4-1/2"   3-1/2"
4"
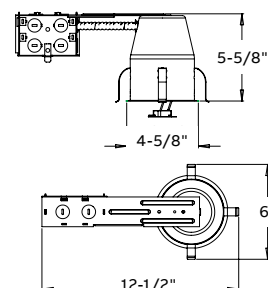14-7/16"

EL-GRHR05

Insulated ceilings housing
Total height: 7.25"

4"
11-1/4"
14-1/4"
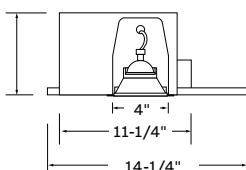
New construction housing.
Total height: 5.6"

5-3/5"
4"
7-4/5"
14-1/4"
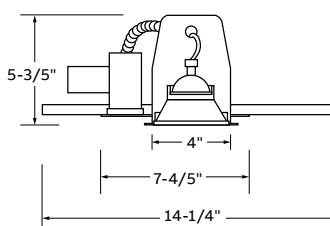
EL-GRHR03

Renovation housing

5-5/8"
4-5/8"
6"
12-1/2"
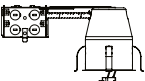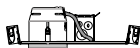
EL-GRHR04

—
Housing

Suffix	Description
EL-GRHR03	New construction
EL-GRHR04	Renovation housing
EL-GRH05	Non-insulated ceiling
EL-GRHR06	Insulated ceilings

Series			LED lamp suffix
EFR8R: concave (egress/regress)	**Description:** Decorative adjustable lighting head **Dimensions:** 4.0" diameter base **Color suffix:** -WH = White, -BN = Brushed nickel or -BK= Black **Requires recessed housing**	**LA**= 6V-4W, MR16 LED **LG**= 12V-4W, MR16 LED **LL**= 24V-4W, MR16 LED **LV**= 120V-4W, MR16 LED	**LI**= 12V-5W, MR16 LED **LJ**= 12V-6W, MR16 LED **LM**= 24V-6W, MR16 LED
EFR9: pop-out	**Description:** Decorative adjustable lighting head **Dimensions:** 4.0" diameter base **Color suffix:** -WH = White or -BK= Black **Requires recessed housing**	**LA**= 6V-4W, MR16 LED **LG**= 12V-4W, MR16 LED **LL**= 24V-4W, MR16 LED **LV**= 120V-4W, MR16 LED	**LI**= 12V-5W, MR16 LED **LJ**= 12V-6W, MR16 LED **LM**= 24V-6W, MR16 LED
EL-GRHR03	**Housing enclosure** **Description:** New construction housing **Dimensions:** 5.6" x 14.2" **New construction housing – MR16 6-24V**		–
EL-GRHR04	**Housing enclosure** **Description:** Renovating Housing **Dimensions:** 4.6" x 12.5" **Renovation housing** - MR16 6-24V		–
EL-GRHR05	**Housing enclosure** **Description:** New construction housing **Dimensions:** 5.6" x 14.24" **New construction housing – MR16 120V (GU10)** Note: For MR16 halogen lamps, please consult lamp data p. 140-141		–
EL-GRHR06	**Housing enclosure** **Description:** Insulated ceiling housing **Dimensions:** 7.25" x 14.24" **Insulated ceilings housing – MR16 6-24V**		–

—
How to order

Series	Color	Lamp type/ wattage
EFR8R **EFR9WH**	Choose color from the above table	**-(L_)**= LED MR16

Example: EFR8R-BK-(LA)

—

Distinction™ EF150 Series

Surface mounted designer light fixtures

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

Finish
- Powder-coated off-white or black

Mounting
- Surface mount
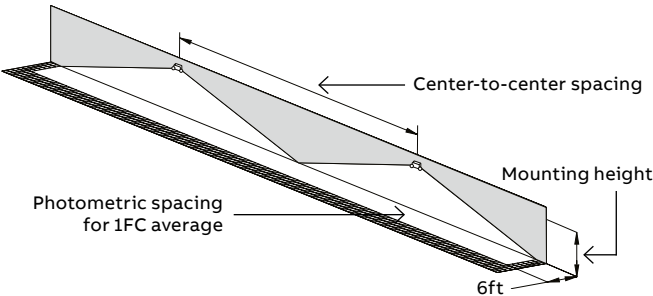- Universal J-box mounting

Approval
- UL 924 listed

Warranty
- Unit has a three-year limited warranty
  Detailed warranty terms located online at:
  www.emergi-lite.com/usa/files/EL_Warranty.pdf

Photometric performance

	Spacing center-to-center (feet)	
Lamp	7' mounting height	15' mounting height
LA	43'	36'
LG	55'	43'
LI	71'	56'
LJ	100'	85'
LL	56'	44'
LV	53'	42'

Housing color

White   Black

Dimensions
Dimensions are approximate and subject to change.

5"
4-5/8"
320°
EF150

80°
9-5/8"
4"
EF150T

5"
4"
EF150D

—
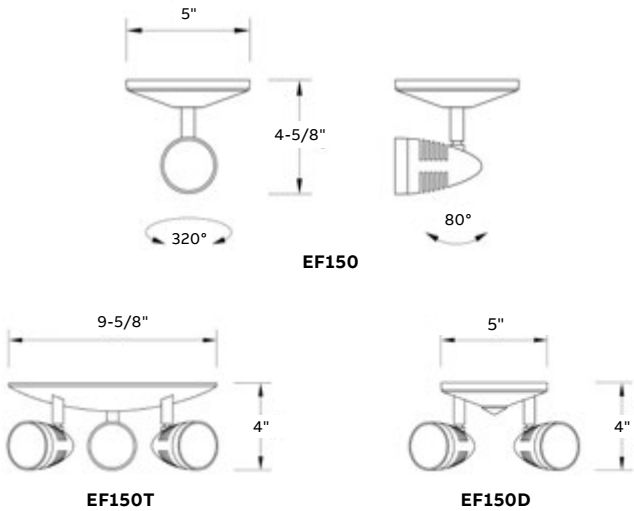
Accessories (order as a separate item)

Description	Suffix
Wire guard for EF150, EF150D	WG8-E
Wire guard for EF150T	WG2-E

—

How to order

Series	# of heads	Color	Lamp type/ wattage
EF150= Decorative MR16 remote head	**Blank**= Single head **D**= Double head **T**= Triple head	**Blank**= White **-B**= Black	**(LA)**= 6V-4W, MR16 LED **(LG)**= 12V-4W, MR16 LED **(LL)**= 24V-4W, MR16 LED **(LI)**= 12V-5W, MR16 LED **(LJ)**= 12V-6W, MR16 LED **(LV)**= 120V-4W, MR16 LED

Example: EF150D-B(MK)

—

Surface Mounted EF10 & EF10D 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
- Off-white or black

Lamp type
- Choice of MR16 LED lamp wattages

Mounting
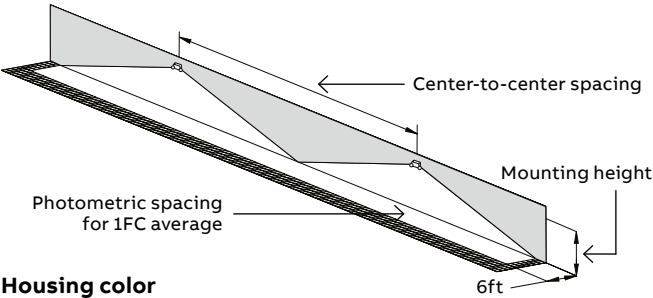- Surface mount
- Universal J-box mounting

Approval
- UL 924 listed

Warranty
- Unit has a three-year limited warranty
  Detailed warranty terms located online at:
  www.emergi-lite.com/usa/files/EL_Warranty.pdf

Photometric performance

| Lamp | Spacing center-to-center (feet) | |
	7' mounting height	15' mounting height
LA	43'	36'
LG	55'	43'
LI	71'	56'
LJ	100'	85'
LL	56'	44'

Center-to-center spacing

Mounting height

Photometric spacing
for 1FC average

6ft

Housing color

Off-white   Black

Dimensions
Dimensions are approximate and subject to change.

2-7/8"   8-1/4"

5"   5"

3-1/4"   3-1/4"

5-5/8"   4-7/8"

—

How to order

Series	# of heads	Lamp type/ wattage	Color
EF10= MR16 PAR18 remote head	**Blank**= Single head **D**= Double head **T**= Triple head	**(LA)**= 6V-4W, MR16 LED **(LG)**= 12V-4W, MR16 LED **(LI)**= 12V-5W, MR16 LED **(LJ)**= 12V-6W, MR16 LED **(LL)**= 24V-4W, MR16 LED	**Blank**= Off-white **BK**= Black

Example: EF150D-B(MK)

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HPRL Series High-Performance Industrial Remote

NEMA-4X, high-performance industrial remote unit

Housing

- Lightweight polycarbonate gray housing with captive screws
- NEMA-4X protection grade
- All external fasteners and hardware are constructed of stainless steel

Mounting

- Simple and easy to install on walls, poles, columns, struts also on vertical
- Pole or column installation bracket sold separately (order catalog number: PMK1-E) 1/2 NPT conduit entry on top or side

Performance

- 6W, 10W and 15W high efficacy LED emergency heads outperform traditional 50W MR16-IR halogen
- Innovative head design: four-LED and dual- driver provide illumination even in case of unexpected component failure

Approvals

- UL 924 listed
- Can be installed in wide temperature range:
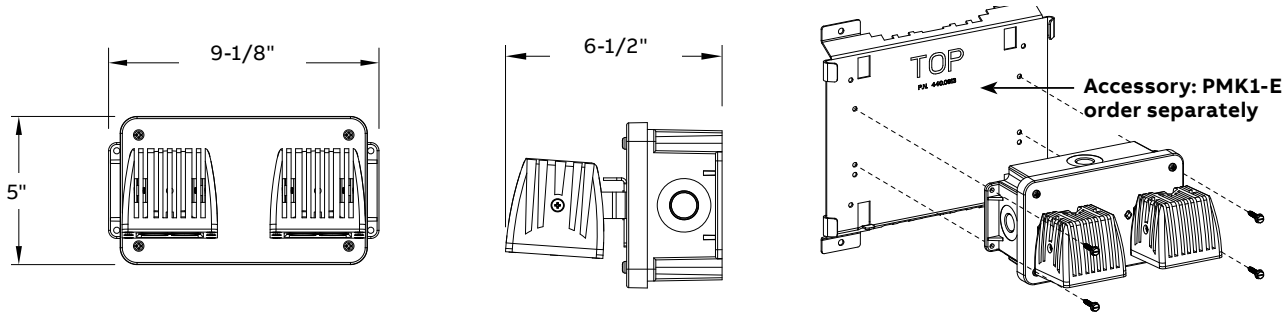 -40°F to 131°F (-40°C to 55°C)

Warranty (subject to proper installation and maintenance)

- Unit has a five-year warranty
  Detailed warranty terms located on page 178 or online at:
 **www.emergi-lite.com/usa/files/EL_Warranty.pdf**

NEMA-4X (U_L)

Dimensions

Dimensions are approximate and subject to change.

9-1/8"

6-1/2"

5"

Accessory: PMK1-E order separately

Warning: The mounting column must be anchored at both ends: floor and ceiling.

Photometry performance

Capable of being installed indoors or outdoors, the **HP Series** of 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, one choose between three level of lumen output using a 6W, 10W or 15W head. See cross reference to traditional MR16 halogen emergency lamp types.
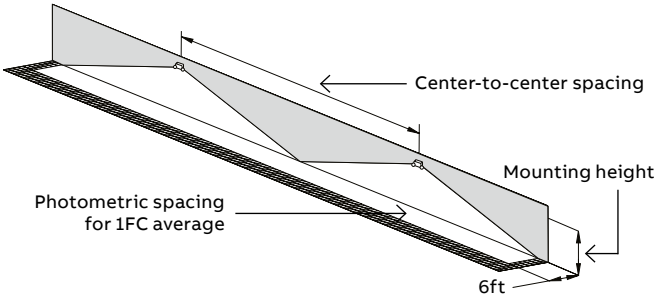
Center-to-center spacing

Mounting height

Photometric spacing for 1FC average

6ft

—
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

LED head	Power	Total lumens	Out-perform spacing of MR16 halogen lamp types
L6	6W	565	37W PAR36, MR16 halogen (700 lumens)
L10	10W	1000	50W PAR36, MR16 halogen (950 lumens)
L15	15W	1300	50W MR16-IR halogen (1550 lumens)

—
How to order

Series	# of heads	LED head
HPRL= High-performance remote	**Blank**= Single head **D**= Double head	**L6**= 12-24V – 6W (565 lumens) **L10**= 12-24V – 10W (1000 lumens) **L15**= 12-24V – 15W(1300 lumens)

Example: HPRLD6

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Survive-All™ EF39 Series and EF40 Series

EF39 NEMA-4X & NSF certified EF40 vandal resistant

NEMA-4X

Description

- EF39 and EF39P NEMA-4X and NSF certified indoor or outdoor use
- EF39 and EF39P NEMA-4X and NSF certified with choice of fully gasketed cast aluminum or plastic back plate[1]
- EF40 and EF40P vandal resistant for Indoor USE with choice of fully gasketed cast aluminum or plastic back plate
- EF39 and EF39P NEMA-4X and NSF Certified comes standard with Phillips head screws and tamper proof screws
- Available as single or double MR16 LED lamp size remote lighting fixture Include clear polycarbonate UV and impact resistant cover
- Includes clear polycarbonate UV and impact resistant cover

Lamp type

- Choice of MR16 LED lamp wattages

Mounting

- Surface mount
- Universal J-box mounting approval

Approval

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

[1]EF39P and EF39 units are NEMA-4X Certified when installed using a circular NEMA-4X rated junction box (sold separately by Thomas&Betts under product number 091647-E)

Warranty

- Unit has a five-year limited warranty Detailed warranty terms located online at: **www.emergi-lite.com/usa/files/EL_Warranty.pdf**

Photometric performance

Lamp	Spacing center-to-center (feet)	
	7' mounting height	15' mounting height
LA	39'	34'
LG	49'	39'
LI	68'	54'
LJ	89'	80'
LL	51'	39'
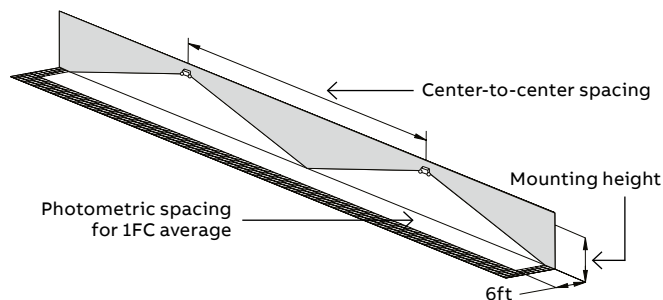
Dimensions
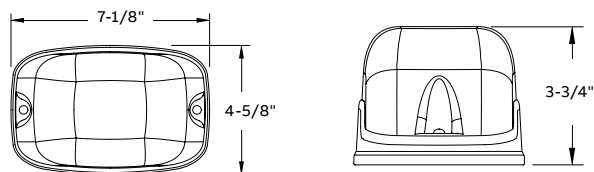Dimensions are approximate and subject to change.

—

Accessories

Description	Suffix
Additional special bit for tamper-proof screws	690.0454-E

—

How to order EF39 Series

Series	Lamp type/ wattage	Lamp type	Option
EF39P= All polycarbonate single head NEMA-4X **EF39PD**= All polycarbonate double head NEMA-4X	**(LA)**= 6V-4W, MR16 LED **(LG)**= 12V-4W, MR16 LED **(LI)**= 12V-5W, MR16 LED **(LJ)=** 12V-6W, MR16 LED **(LL)**= 24V-4W, MR16 LED	**Blank**= White **-BK**= Black **-GY**= Gray	**SM**= Mounting plate

Example: EF39P(LG)-BK

Series	Lamp type/ wattage	Lamp type
EF39= Die-cast back plate single head NEMA-4X **EF39D**= Die-cast back plate double head NEMA-4X	**(LA)**= 6V-4W, MR16 LED **(LG)**= 12V-4W, MR16 LED **(LI)**= 12V-5W, MR16 LED **(LJ)=** 12V-6W, MR16 LED **(LL)**= 24V-4W, MR16 LED	**Blank**= White **-BK**= Black **-GY**= Gray

Example: EF39P(LG)-BK

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How to order EF40 Series

Series	Lamp type/ wattage	Lamp type	Options
EF40P= Die-cast back plate single head NEMA-4X **EF40PD**= Die-cast back plate double head NEMA-4X	**(LA)**= 6V-4W, MR16 LED **(LG)**= 12V-4W, MR16 LED **(LI)**= 12V-5W, MR16 LED **(LJ)=** 12V-6W, MR16 LED **(LL)**= 24V-4W, MR16 LED	**Blank**= White **-BK**= Black **-GY**= Gray	**Blank**= No options **T**= Tamper proof screws **SM**= Mounting plate

Example: EF40P(LG)

Series	Lamp type/ wattage	Lamp type	Options
EF40= Die-cast back plate single head NEMA-4X **EF40D**= Die-cast back plate double head NEMA-4X	**(LA)**= 6V-4W, MR16 LED **(LG)**= 12V-4W, MR16 LED **(LI)**= 12V-5W, MR16 LED **(LJ)=** 12V-6W, MR16 LED **(LL)**= 24V-4W, MR16 LED	**Blank**= White **-BK**= Black **-GY**= Gray	**Blank**= No options **T**= Tamper proof screws

Example: EF40D(LJ)

—

HPHRL Series Hazardous Locations

Class I Division 2, Class II Division 2, Class III high-performance remote fixture

Description
- Lightweight polycarbonate gray housing and fully adjustable
  Die-cast aluminum heads designed for Class I Division 2 Groups A, B, C and D, Class II Division 2, Groups F & G and Class III applications facilities
- Can be installed in varied temperature conditions: -40°F to 131°F (-40°C to 55°C)
- High-efficacy LED emergency heads outperform traditional 50W incandescent lamps
- Innovative head design: four-LED and dual-driver provide illumination even in case of unexpected component failure
- Simple and easy to install on building walls, columns, struts, etc. On vertical position for columns use mounting bracket (order separately catalog number: PMK1-E)

Approvals
- UL 924 listed
- Listed UL 844 Standard for Class I Division 2 Groups A, B, C & D, Class II Division 2, Groups F & G and Class III
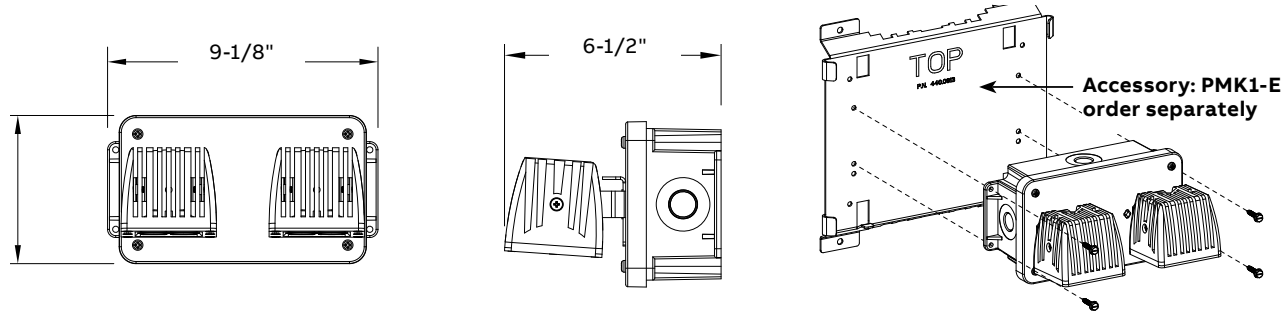
Warranty
- Unit has a five-year limited warranty
  Detailed warranty terms located on page 178 or online at:
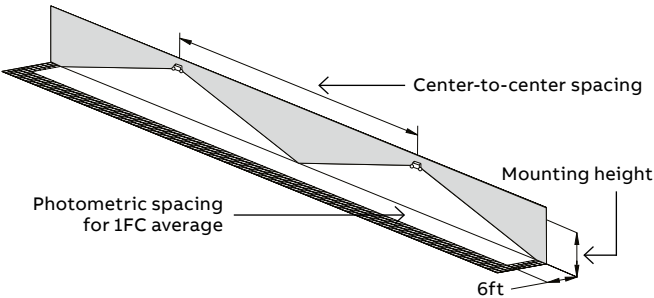 **www.emergi-lite.com/usa/files/EL_Warranty.pdf**

Dimensions
Dimensions are approximate and subject to change.

9-1/8"

6-1/2"

Accessory: PMK1-E order separately

Warning: The mounting column must be anchored at both ends: floor and ceiling.

Photometry performance

Whether installed indoors or outdoors, the HP Series of LED emergency lights deliver a stable and consistent illumination on the path of egress for a wide range of mounting heights. Depending on the application, one may select and specify among three levels of lumen output. See cross reference to traditional incandescent emergency lights below.

Center-to-center spacing

Mounting height

Photometric spacing for 1FC average

6ft

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

—
Spacing center-to-center (feet)

| Mounting height | Spacing center-to-center (feet) |
	Lamp L15/15W, 1300Lm
10 ft	140
15 ft	135
20 ft	130
25 ft	120

LED head	Power	Total lumens	Out-perform spacing of incandescent lamps
L15	15W	1300	50W MR16-IR halogen

—
How to order

Series	# of heads	Lamp type/ wattage
HPHRL= High-performance hazardous location remote	**Blank**= Single head **D**= Double head	**L15** = 12-24V – 15W (1300 lumens)

Example: HPHRLDL15

—

EL-2LED Series

Low energy, low maintenance emergency lighting for moderate budget applications

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

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

Lamp type
• White LED 3.6V-1.8W each, 70 lumens per head

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

Sealed maintenance-free battery
• 3.6V nickel-cadmium battery

Approvals
• UL 924 listed
• Damp location 50°F to 104°F (10°C to 40°F)
• UL 94, 5VA flame rated (68°F to 86°F, 20°C to 30°C)
• BC – California Energy Commission Title 20

Warranty (subject to proper installation and maintenance)
• Unit has a three-year warranty
Detailed warranty terms located online at:
www.emergi-lite.com/usa/files/EL_Warranty.pdf
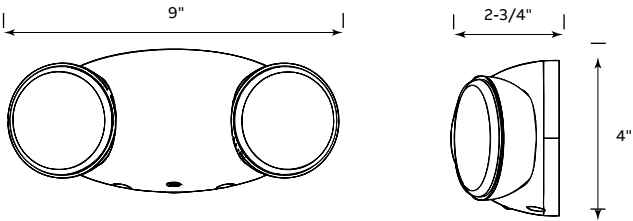
Photometric performance

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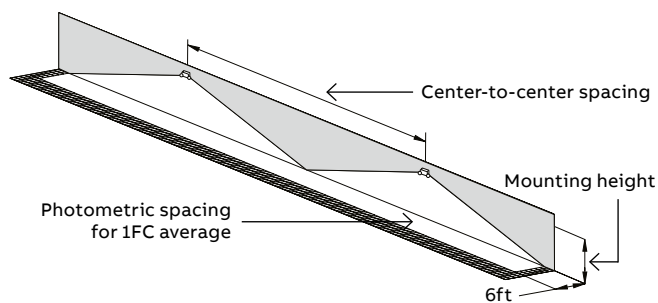
Center-to-center spacing

Mounting height

Photometric spacing
for 1FC average

6ft

Dimensions
Dimensions are approximate and subject to change.

—
Power consumption and unit rating

			Current (A) / Power (W)
Model	AC specs	AC power stand-by	120/277VAC, 60Hz
EL-2LED	120/277VAC 0.1 / 0.10A	0.7W	0.103/0.10A

—
How to order

Color	Series	Lamp option	Options
Blank= White **B**= Black	**EL**	**-2LED**= round LED array	**Blank**= No option (CEC title 20 approved for California)

Example: EL-2LED

—

EL-2RHL Series

High output lithium LED battery unit

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

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

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

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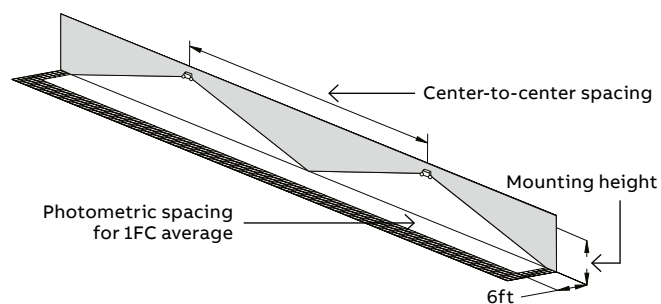- 120/277 60Hz

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

Warranty
- Unit has a three-year warranty
  Detailed warranty terms located online at:
  www.emergi-lite.com/usa/files/EL_Warranty.pdf
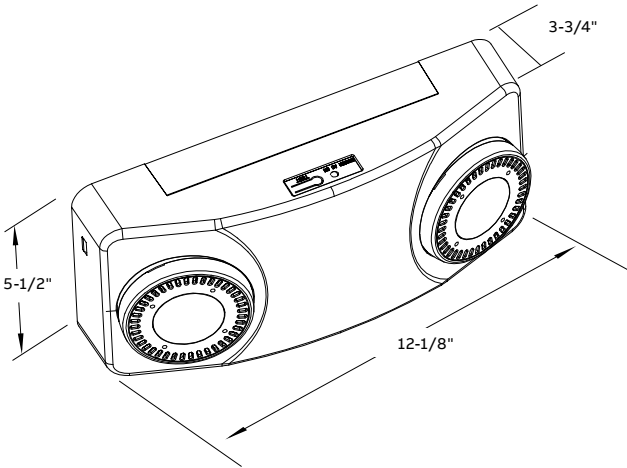
Photometry performance

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

Center-to-center spacing

Mounting height

Photometric spacing for 1FC average

6ft

Dimensions
Dimensions are approximate and subject to change.

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Power consumption and unit rating

Model	AC specs		AC power stand-by
EL-2RHL-AD	120/277VAC	0.06 / 0.20A	0.5W

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How to order

Series	Heads
EL	**-2RHL-AD**= Two round high output LED heads with Advanced Diagnostics

Example: EL-2RHL-AD

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Mini Inverter Series

Interruptible unit equipment 125W, 250W, or 400W

Housing
- 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
- Operating switched, normally-on or normally-off fixture types
- Incandescent, LED, fluorescent lamps and ballast combinations, including triac dimmable ballasts (consult factory if DALI dimming)

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

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

Controls
- Standard with a **non-audible self diagnostic and self testing**/charger is fully self-contained, fully automatic microcontroller- based system
- Optional **audible auto diagnostic** available
- Optional **Non-Advanced Diagnostics** available
- **Non-Advanced Diagnostics** option for applications with emergency power controls
- Standard lighting control override for 0-10V dimming systems

Load shedding (available in 250W only)
- During a power outage the emergency fixture is dimmed to 25% or 45% brightness output. Reducing wattage draw from the fixture will allow for more fixture to be connected to the Mini Inverter.
- Maxium 20 Emergency fixtures can be daisy chained per EMIU 250

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

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

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

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

Warranty (subject to proper installation and maintenance)
- Battery has a 3-year full, plus 7-year pro-rata warranty
- Unit has a three-year warranty
  (excluding lamps and fuses)
  Detailed warranty terms located online at:
  www.emergi-lite.com/usa/files/EL_Warranty.pdf

All Emergi-Lite® inverter products receive 100% quality inspection before shipment to insure proper and satisfactory operation.

nexus   (UL)   (BC)

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Specifications

Transfer time	Voltage regulation on emergency	Frequency reglation on emergency	Load power factor range	Operating temperature
Less than 1 second			250W model: .9 leading to .9 lagging	68° to 86°F (20° to 30°C)
–	+/ -5%	60 Hz +/- 1%	125 & 400 models: 8 leading to .8 lagging	–

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Replacement battery

Description	Suffix
EMIU-125	860.0024-E
EMIU-250	2X 860.0024-E
EMIU-400	2X 860.0043-E

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Electrical characteristics and dimensions

Power rating	Sine wave	Installation	Cabinet dimensions			No. of battery	Total weight	Weight w/o battery
			Width	Height	Depth		120V & 277V	120V & 277V
125W	Modified	T-bar	24"	6.5"	8"	1	50 lbs	22 lbs
125W	Modified	Wall	16.5"	12.2"	7.3"	1	50 lbs	22 lbs
250W	Pure	Wall	27"	12.2"	7.3"	2	100 lbs	45 lbs
400W	Pure	Wall	24"	20"	10.5"	2	150 lbs	65 lbs

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

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Power consumption and unit rating

Model number	AC specs	AC power stand by	Emergency power available for load			
			90 Min	2H	3H	4H
EMIU-125	1.15 / 0.70 Amps	1.44W	125W	83W	62W	47W
EMIU-250	120/277VAC 2.75 / 1.20 Amps	2.26W	250W	167W	125W	94W
EMIU-400	4.60 / 2.00 Amps	3.21W	400W	300W	200W	150W

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How to order

Series	Capacity	Voltage	Diagnostic feature	Options	Approval
EMIU	**-125**= 125W **-250**= 250W **-400**= 400W	**Blank**= 120/120VAC or 277/277VAC	**-Blank**= Advanced Diagnostic, non-audible[1] **-AD**= Advanced Diagnostic, audible[1] **-NAD**= No auto test/ Advanced Diagnostics **-NEX**= Nexus® wired **-NEXRF**= Nexus® wireless	**-D3**= Time delay (15 minutes) **-LD25**= Load shedding to 25% brightness[2] **-LD45**= Load shedding to 45% brightness[2] **-SAC**= Service alarm contact[3] **-T=** Recessed T-bar mounting (125W unit only)	**-CEC**= CEC Title 20 for California

Example: EMIU-400-CEC

[1] Minimum load required: 10% of unit capacity
[2] Available on 250W models only
[3] Service alarm contact (SAC) shall provide a 24V signal, the charger board will indicate a fault by choosing a contact. Not available with 720 capacity

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Notes

ABB

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Please consult our website for
more information:

emergi-lite.com