EMERGI-LITE

NEW Products

Table of Contents

Project/Location:

Contractor:

Date:

Prepared by:

LPEX Series

Triangular Extruded Aluminum Exit Sign

Typical Specification

Supply and install the Emergi-Lite **LPEX Series** of three-face LED exit signs. The equipment shall operate with universal AC input voltage of 120, 277 or 347Vac at less than 2 Watts and universal two-wire DC input voltage from 6Vdc to 24Vdc at less than 3.5 Watts. The housing shall be constructed of rugged extruded Aluminum painted with a factory white finish and shall have three face plates oriented symmetrically at 120 degrees in the horizontal plan. The faceplates shall be constructed of extruded Aluminum and come standard with knockout chevrons. The light source shall be red light emitting diodes (LED) of long-life technology **ALINGAP**. An LED-sensitive diffuser shall be mounted behind the legend to provide the 6" high by ¾" stroke letters with even illumination. Each legend shall be illuminated by one dedicated LED lamp (strip). The LED lamps shall be oriented: two downwards and one upwards and shall provide illumination in normal and emergency operation. Eventual failure of one LED lamp shall not affect the well-functioning of the other two lamps. The Exit sign shall come standard with a pendant kit with a 3/8-in diameter pipe for ceiling-mount installation.

The exit sign shall be C860 approved.

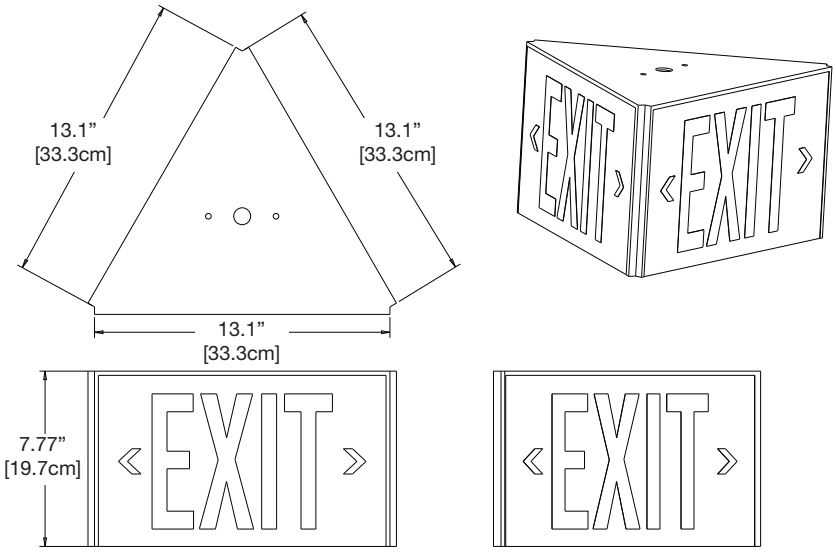
The equipment shall be Emergi-Lite model: _____.

Features

- Rugged extruded aluminum housing
- Extruded aluminum faceplates
- White finish standard
- Standard field-selectable knockout chevrons
- Long life, energy efficient LED light source
- **ALLinGaP** technology LED
- CSA certified, meets or exceeds C860 requirements

Made in Canada

Dimensions



Power Consumption and Unit Rating

Model	AC Specs		DC Specs	
AC / DC standard	120 / 277 / 347Vac	Less than 2W	6 to 24Vdc	Less than 3.5W

Ordering Information

Series	Mounting/Faces	Colour	Voltage	Options
LPEX= EXIT Extruded Alum.	**55**= 2 sided face (Wall mounting only) **56**= 3 sided face (Pendant mounting only)	**W**= factory white	**-U**= 120/277/347Vac, 6 to 24Vdc	**TP**= tamper proof screws **990.0119-E**= tamper proof bit* *One bit per order. Sold separately

EXAMPLE: LPEX55W-U

Premier™ Series

Thermoplastic Combination Unit

Project/Location:

Contractor:

Date:

Prepared by:

Features

The **Premier™ Series** of combination units (unit equipment with an exit sign) are designed with aesthetics, ease of installation and performance in mind.

- One-pack combination of battery unit and exit sign, a compact and contemporary design
- Durable injection-molded thermoplastic housing with push-to-snap design
- Available in single or double face configurations both with means for ceiling mounting
- Comes with the Emergi-Light Premier™ EZ2 canopy and field-selectable snap chevrons for quick and easy installation
- Exit sign module illuminated by long-life **ALINGAP** red LEDs
- Two MR16 halogen lamps, shielded by a clear polycarbonate cover
- Optional MR16 LED lamps with life expectancy 50,000+ hours
- Sealed, maintenance-free, Lead-Calcium or Nickel-Metal-Hydride batteries
- Remote load capacity, up to 92Watts
- Dual voltage input: 120/347 VAC or 120/277 VAC.
- Optional advanced diagnostic circuitry, flasher/buzzer, fire alarm activated flasher
- Optional vandal resistant shield with tamper proof screws
- Certified CSA C22.2 No141
- Certified CSA C860-01

Made in Canada

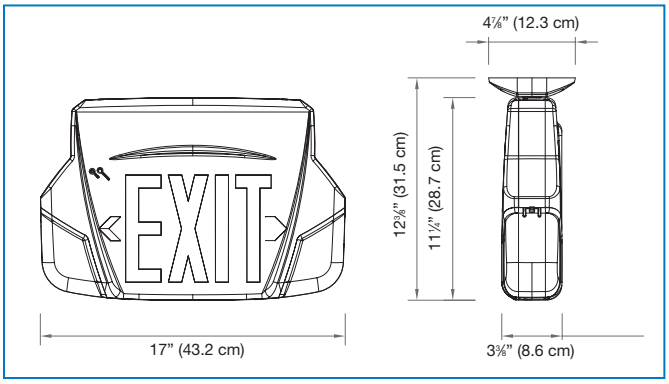
Typical Specification

Supply and install the **Premier™ Series** combination of unit equipment and exit sign. The standard equipment shall operate with a dual voltage input of 120/347VAC. The unit shall be suitable for wall or ceiling mount. The unit frame and face plates shall be made of injection-molded durable high-impact thermoplastic and come standard with snap in/out chevrons. No screws are necessary to hold the faceplate or backplate to the housing. The one piece thermoplastic frame is molded in white (optional black). The faceplates shall feature a uniformly illuminated legend. The light source shall be light emitting diodes (LED) and shall provide illumination in normal and emergency operation and shall be mounted inside the combination housing. Red LED technology shall be **ALINGAP**. An LED-sensitive diffuser shall be mounted behind the legend to provide the 6" high by 3/4" stroke letters with even illumination. The unit shall be equipped with two emergency heads with tool-less adjustable swivels (lamps of 12W or less) and long-life MR-16 halogen lamps of ___ V and ___ W. Each lamp shall be protected by a snap-on, shock-absorbent, transparent polycarbonate cover.

The unit shall be equipped with a test switch and a green pilot light, located on the face plate above the EXIT legend. The battery charger shall be driven by a micro-controller. All electronic circuitry (charger, LED driver, LED's) shall be installed on a single printed circuit board PCB. The unit equipped with self-testing / self-diagnostic features shall automatically self test for one minute every 30 days, 10 minutes in the 6th month and 30 minutes annually. When a fault is detected, the bi-color pilot-light shall turn from green to red and shall flash, identifying the source of the failure: battery, charger circuitry, lamp load, LED strip. The exit sign module shall be CSA-C860 approved.

The combo unit shall be Emergi-Lite model: _____.

Dimensions



Power Consumption and Unit Rating

Model	AC Specs		Wattage Capacity				
			30min	1h00	1h30	2h00	4h00
Exit Sign module	120 / 347Vac	Less than 2W	-	-	-	-	-
L2		0.11/0.04 Amp	20	15	12	8	-
L5			50	30	24	16	8
L5A		0.22/0.08 Amp	50	30	24	16	8
H5A			50	36	24	18	9
H10A			100	72	48	36	18

Ordering Information

Series	Colour	Voltage	Powerpack	Legend	Options	Number of Heads	Head Style and Wattage
PRE1= single face ceiling or wall mount **PRE2**= double face ceiling mount **PRE1N**= single face wall mount (less canopy) **PREU**= universal, 2 faces backplate and canopy	**W**= factory white **B**= black	**3**= 120/347Vac **2**= 120/277Vac	**-L2**= 6V-20W Lead cal **-L5**= 6V-50W Lead cal **-L5A**= 12V-50W Lead cal **-H5A**= 12v-50W Nimh **-H10A**= 12V-100W Nimh	**Blank**= red letters **G**= green letters	**Blank**= no options **D3**= 15 min. time delay **U**= auto-diagnostics **UN**= auto-diagnostics non-audible **FZ**= flasher buzzer **FA**= fire alarm activated flasher **FBF**= flasher buzzer +fire alarm activated flasher **990.0119-E**= tamper proof bit* *One bit per order. Sold separately. **VRTP**= polycarbonate shield with tamper proof screws **TP**= tamper proof screws **BA**= brushed aluminum exit stencil **FL**= flasher	**/0**= no heads **/2**= two heads	**MI**= 6V 6 watts MR16 **MJ**= 6V10W MR16 **MO**= 12V10W MR16 **MK**= 12V12W MR16 **LG**= 12V4W LED MR16

EXAMPLE: PRE1W3-L2/2MI

Project/Location:

Contractor:

Date:

Prepared by:

LPEXHZ Series

Exit Sign for Hazardous Locations: Class I Zone 2 Groups: IIA, IIB and IIC Class I Division 2 Groups: A, B, C and D

Typical Specification

Supply and install Emergi-Lite **LPEXHZ Series** LED exit signs. The equipment shall operate with universal two-wire AC input voltage from 120Vac to 347Vac at less than 3watts and universal two-wire DC input voltage from 6Vdc to 48Vdc at less than 2watts for single and double face signs. Designed specifically for hazardous locations, the equipment frame shall be of industrial grade high impact thermoplastic with a gasket around lenses and canopy. The faceplate(s) shall be constructed of heavy-duty vandal-resistant polycarbonate and feature an even illuminated legend. The light source shall be light emitting diodes (LED). Red LED technology shall be **AlInGaP**. An LED-sensitive diffuser shall be mounted behind the legend to provide the 6" high by 3/4" stroke letters with even illumination.

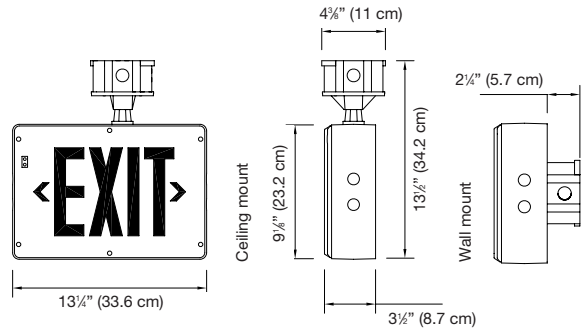
The equipment shall be certified for Hazardous Locations; Class I Zone 2 Groups: IIA, IIB and IIC and Class I Division 2 Groups: A, B, C and D with a temperature code T6 (Maximum 85ºC). The equipment shall be designed specifically for high abuse areas. The self-powered model shall stay illuminated during emergency operation for at least 90 minutes upon AC failure and shall include a magnetic test switch and self-testing/self-diagnostic functions.

The equipment shall automatically self test for 5 minutes every 30 days, 30 minutes every 60 days and 90 minutes annually. A "Service required" lamp shall be located near the test switch and flash when a fault is detected. A two-LED diagnostic display shall be located inside the equipment and shall identify the eventual source of failure (battery, charger circuitry, or LED lamps).

The exit sign shall be CSA-C860 approved.

The combination unit shall be Emergi-Lite model: _____.

Dimensions



Features

- Certified Class I Zone 2, Groups IIA, IIB and IIC
- Certified Class I Division 2, Groups A, B, C and D as per CSA C22.2 No.137-M1981
- Temperature Code: T6 (maximum 85ºC as per Canadian Electrical Code, Part I and CSA C22.2 No.137-M1981)
- CSA certified, meets or exceeds C860 requirements
- Input voltages: 120 to 347Vac universal AC-input; 6 to 48Vdc universal DC-input
- High impact thermoplastic frame, with built-in gasket to prevent water infiltration
- Suited for areas with the risk of presence of flammable gases, vapors or liquids able to create an explosive atmosphere
- Sealed faceplate of heavy-duty, vandal-resistant polycarbonate
- Tamper-resistant, hermetically sealed magnetic test switch
- Auto-diagnostic circuitry is standard on self-powered models
- Sealed, maintenance-free, Nickel-Cadmium batteries
- Batteries recharge as per CSA requirements and provide 90 minutes of emergency operation
- Long-life, energy-efficient **AlInGaP** red LED light source
- Energy efficient – consumes less than 3watts in AC or DC mode
- Comes standard with industrial-grade, die-cast Aluminum electrical box
- ½-inch electrical conduit entry on both sides and at the top
- NEXUS® compatible (for more information on NEXUS®, please contact your sales representative)

nexus® Made in Canada

Power Consumption

Model Number	AC Specs		DC Specs	
AC/DC, red	120 / 347Vac	Less than 3W	6 to 48Vdc	Less than 2W
AC/DC, green	120 / 347Vac		6 to 48Vdc	Less than 2W
Self-powered, red	120 / 347Vac		NiCad battery	Min. 90 minutes
Self-powered, green	120 / 347Vac		NiCad battery	Min. 90 minutes
120Vac/Vdc 2 wires, red	120Vac		120Vdc	Less than 3W

Wire Guards

460.0080-E	Wall Mount

Ordering Information

Series	Faces	Housing/Faceplate Colour	Voltage	Options
LPEXHZ	**2**= single face, ceiling or wall mount **3**= double face, ceiling mount only	**GG**= grey/grey	**U**= universal 120-347Vac, 6-48vdc **ID**= 120-347Vac, self-powered (120 Min) c/w auto-diagnostic (non-audible) **EM120-2W**= 120Vac, 120Vdc 2 wire **NEX**= Nexus® System Interface* *Consult your sales representative for options available with NEXUS® System.	**Blank**= red letters **G**= green letters

EXAMPLE: LPEXHZ2GGU

EXHZ Series

Combination Unit for Hazardous Locations:
Class I Zone 2 Groups: IIA, IIB and IIC
Class I Division 2 Groups: A, B, C and D

Project/Location:

Contractor:

Date:

Prepared by:

Features

- Certified Class I Zone 2, Groups IIA, IIB and IIC
- Certified Class I Division 2, Groups A, B, C and D as per CSA C22.2 No.137-M1981
- Certified temperature Codes for several types of emergency lamps
- Certified CSA C22.2 No141
- Certified CSA C860
- Polymeric frame, with built-in gasket to prevent water infiltration
- Heavy-duty 1/8-inch thick aluminum back plate with key-holes for secure wall-mount installation
- Sealed faceplate of heavy-duty, vandal-resistant polycarbonate
- Suited for areas with the risk flammable gases, vapors or liquids that can create an explosive atmosphere
- Exit sign module illuminated by long-life, energy-efficient **AlInGap** red LEDs
- Two MR16 halogen lamps, shielded by a cast aluminum housing and a polycarbonate cover
- Sealed, maintenance-free, Lead-Calcium or Nickel-Cadmium batteries
- Remote load capacity
- Comes standard with auto-diagnostic functions
- Comes standard with industrial-grade, die-cast Aluminum electrical box
- ½-inch electrical conduit entry on both sides and at the top
- NEXUS® compatible (for more information on NEXUS®, please contact your sales representative)

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Typical Specification

Supply and install Emergi-Lite **EXHZ Series** combination of unit equipment and LED exit sign. Designed specifically for hazardous locations, the equipment frame shall be of industrial grade polymer with gaskets around both sides of the frame contour. The back plate shall be made of 1/8-inch thick aluminum sheet and shall include knockouts for installation on an electrical box and four keyholes for alternative installation on a wall surface.

The faceplate shall be constructed of heavy-duty vandal-resistant polycarbonate and feature a uniformly illuminated legend. The light source shall be light emitting diodes (LED). Red LED technology shall be **AlInGap**. An LED-sensitive diffuser shall be mounted behind the legend to provide the 6" high by 3/4" stroke letters with even illumination.

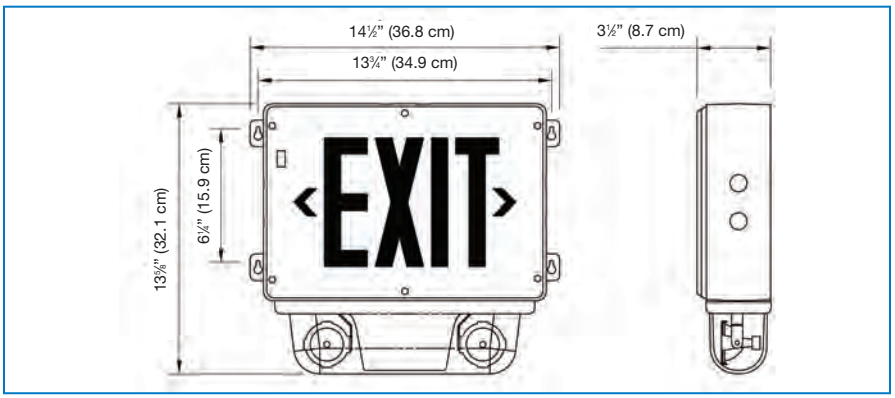
When specified, the equipment shall have attached a lower compartment containing two emergency lights with adjustable swivels and long-life MR-16 halogen or LED lamps of ___ V and ___ W. The lamps shall be shielded by a cast aluminum housing and protected by a shock-absorbent, transparent polycarbonate cover.

The equipment shall be certified for Hazardous Locations; Class I Zone 2 Groups: IIA, IIB and IIC and Class I Division 2 Groups: A, B, C and D. The standard AC input voltage shall be: 120/347Vac. The equipment shall be equipped with a magnetic test switch located behind the face plate and two LED pilot lights: AC-on and "Service required". The unit shall include auto-diagnostic functions monitored by a micro-controller and shall automatically self test for one minute every 30 days, 10 minutes in the 6th month and 30 minutes annually. The "Service required" LED shall light when a fault is detected. A four-LED diagnostic display located inside the equipment shall identify the source of the failure (battery, charger circuitry, or lamp load).

The exit sign module shall be CSA-C860 approved.

The combination unit shall be Emergi-Lite model: _____.

Dimensions



Wire Guards

460.0078-E	Wall Mount

Power Consumption and Unit Rating

Model Number	AC Specs		Wattage Capacity				
			30min	1h00	1h30	2h00	4h00
EXHZL3	120 / 347Vac	0.15 / 0.06 Amp	36	21	15	12	-
EXHZN3		0.15 / 0.06 Amp	36	30	20	15	-
EXHZN6A		0.30 / 0.10 Amp	60	40	30	20	10

Temperature Codes

Lamp Rating	Temperature Code	Maximum Temperature	Replacement Part #
6V - 10W	T3C	160°C	580.0079-E
12V - 12W	T3A	180°C	580.0080-E
12V - 20W-H	T2D	215°C	580.0068-E

Note: Use qualified replacement lamps to avoid risk of over-heating

Ordering Information

Series	Housing/Face Color	Voltage	Capacity	Letter Color	Options	Number of Heads	Lamp/Wattage
EXHZ= combo Exit Class I Div. 2	**GG**= grey/grey	**Blank**= 120/347Vac **2**= 120/277Vac	**L3**= 6V - 36W lead acid **N3**= 6V- 36W NiCad **N6A**= 12V - 60W NiCad	**Blank**= red letters **G**= green letters	**U**= auto-diagnostics, audible **UN**= auto-diagnostics, non-audible **NEX**= Nexus® system interface* *Consult your sales representative for options available with NEXUS® System.	**Blank**= 0 heads **/2**= two heads	**MJ**= 6V - 10 watts, MR16 **MK**= 12V - 12 watts, MR16 **MW**= 12V - 20 watts, MR16-IR

EXAMPLE: EXHZGGN3U12MJ

Project/Location:

Contractor:

Date:

Prepared by:

Lux-Ray™ Series

with white LED normally-on option

New!

Features

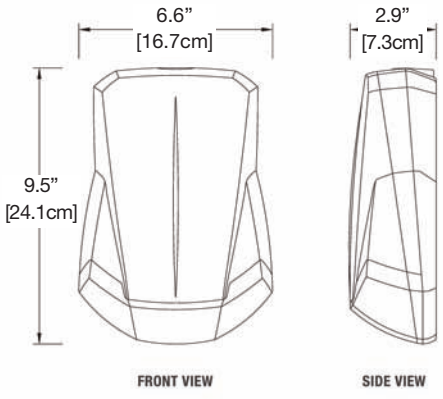
- Low profile, slim lines – measures only 6.6" x 9.5"
- Fully gasketed housing, rugged die-cast body and UV-resistant lens
- Fast and easy installation
- Easy to replace Xenon lamps
- Available as a remote fixture as well.
- Optional dual-mode illumination uses 5-watt LED lamp for normal lighting

Wire Guards

460.0082-E	Wall Mount

Photometric Performance

Lamp Wattage	Mounting height	Center-to-Center	
		3' Wide Path	6' Wide Path
2 X 6W	7.5'	28'	19'
	8.5'	25'	18'
2 X 10W	7.5'	30'	28'
	8.5'	34'	30'



Dual-mode illumination (optional)

Lux-Ray™ units with this feature include a secondary light source, a 5-watt, 50,000-hour LED lamp dedicated to normal lighting. The equipment has two independent circuits, electrically isolated from each other: the standard input for emergency lighting and a secondary input for normal lighting. The secondary input can be connected to a regular AC line that may include an electrical switch.

Typical Specification

Supply and install the Emergi-Lite Lux-Ray™ Series battery unit. The unit shall be suitable for wall mounting directly on the electrical box, or on the wall surface, using rigid conduit entry at the top of the unit. The unit body shall be made of die-cast Aluminum with painted color: _____ and a UV and impact resistant polycarbonate lens. The emergency lights shall be two high-output Xenon lamps hosted by a vacuum-plated die-cast reflector. The unit shall be rated 120/347VAC, 60Hz dual input voltage. The battery charger shall include low voltage disconnect to prevent deep discharge, battery lockout to prevent battery drain prior to energizing the utility power, and brownout protection which will automatically switch unit into emergency mode if the utility power falls below 80% of nominal level.

Models with Lead-Calcium battery shall be equipped with a pulse type charging circuitry and shall provide minimum 90 minutes of emergency lighting. The voltage/current-limiting circuitry will minimize energy consumption and shall be factory set with a charging voltage tolerance of ±1% to enable a longer battery life. A red LED pilot light shall indicate AC power.

Models with Nickel Metal Hydride batteries shall be equipped with a non-audible self-test and diagnostic circuit and shall provide minimum 60 minutes of emergency lighting. The unit shall self test for one minute every month, 30 minutes every six months and 90 minutes annually. The pilot light shall be a bi-color LED and shall change color from green to flashing red when a failure is detected from the battery, charger circuit or lamps. A label located near the pilot light shall describe the diagnostic for each flashing code.

Models with dual-mode illumination shall include a power LED lamp with a separate electrical input 120/347Vac for connection to a switched AC line. The LED lamp shall consume less than 5 Watts and shall have an operational life of 50,000 hours, until 70% of initial light level.

The unit shall be CSA Certified to C22.2 No.141. The unit shall be Emergi-Lite Model:_____.

Easy self-adhesive gasket, must be used in all exterior applications, but comes standard with all units.

Easily accessible, stand alone die-cast back plate with universal knock-out pattern.

Patent pending vacuum metalized die-cast reflector. The multiple conical section reflector was engineered to create a well defined path of egress.

The front cover includes the battery*, reflector and electronics. The connection is done using an AC quick connect plug.

* Nickel Metal Hydride: State-of-the art battery technology; Lead-free and Cadmium-free; a greener choice.

LED module with heat sink. (Normal lighting)

Easy to replace Xenon lamps Unlike quartz halogen lamps.

Power Consumption and Unit Rating

Model	AC Specs			DC Specs	
LUX12, LUXH12	120 / 347Vac	0.11 / 0.04 Amp	Less than 10.5W	6V - 12W	Minimum 90 min.
LUXH20	120 / 347Vac	0.11 / 0.04 Amp	Less than 10.5W	6V - 20W	Minimum 60 min.
LUX-2	120 / 347Vac	0.04 Amp	Less than 5W	LED normal lighting	

Replacement Lamps

Ordering Code	Specifications
570.0213-E	X6W, 6V - 6W Xenon
570.0214-E	X10W, 6V - 10W Xenon

Ordering Information

Series	Lamp Wattage	Colour*	Option
LUX12= 6V - 12W, lead calcium battery, 90 minutes **LUXH12**= 6V - 12W, NiMH battery (Nickel Metal Battery) (-20ºC to +40ºC) comes with UN*, min. 60 minutes **LUXH20**= 6V - 20W, NiMH battery with UN*, min. 60 minutes *UN = auto diagnostic, non-audible.	**/X6**= 6Volts-6Watts **/X10**= 6Volts-10Watts* 2 Xenon wedge base T3-1/4. *Available with LUXH20 only	**OW**= off white **BK**= black **BZ**= dark bronze **PG**= platinium grey * Other colours available on demand. Consult your sales representative.	**D3**= time delay 15 minutes **-2**= dual-mode illumination

EXAMPLE: LUX12/X60W-2

HZM Series

Battery Unit for Hazardous Locations:
Class I Zone 2 Groups: IIA, IIB and IIC
Class I Division 2 Groups: A, B, C and D

Project/Location:

Contractor:

Date:

Prepared by:

Features

- Certified Class I Zone 2, Groups IIA, IIB and IIC
- Certified Class I Division 2, Groups A, B, C and D as per CSA C22.2 No.137-M1981
- Certified temperature Codes for several types of emergency lamps
- Suited for areas with the risk of flammable gases, vapors or liquids that can create an explosive atmosphere
- Certified CSA C22.2 No141
- Polymeric frame, with built-in gasket to prevent water infiltration
- Heavy-duty 1/8-inch thick aluminum back plate with keyholes for secure wall-mount installation
- Two MR16 halogen or LED lamps, shielded by a cast Aluminum housing and a polycarbonate cover
- Sealed, maintenance-free, Lead-Calcium batteries with up to 120W emergency power
- Built-in microcontroller-based battery charger and auto-diagnostic circuitry
- ½-inch electrical conduit entry on both sides and at the top
- NEXUS® compatible (for more information on NEXUS®, please contact your sales representative)

nexus® Made in Canada

Typical Specification

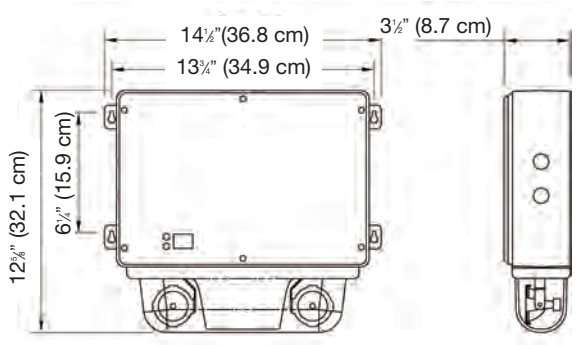
Supply and install Emergi-Lite **HZM Series** of battery units. Designed specifically for hazardous locations, the equipment frame shall be of industrial grade polymeric metal with gaskets around both sides of the frame contour. The frame shall be fixed between two plates made of 1/8-inch thick aluminum sheet. The back plate shall include four keyholes for wall-mount installation. The front plate shall include two water-tight lenses for pilot lights: AC-on and "Service required". When specified, the equipment shall have attached a lower compartment containing two emergency lights with adjustable swivels and MR-16 halogen or LED lamps. The lamps shall be shielded by cast aluminum housing and protected by a shock-absorbent, transparent polycarbonate cover.

The equipment shall be certified for Hazardous Locations; Class I Zone 2 Groups: IIA, IIB and IIC and Class I Division 2 Groups: A, B, C and D. The standard equipment shall have a dual AC input voltage: 120/347Vac and shall be equipped with a magnetic test switch located on the left side of the frame.

The unit shall include self-testing/self-diagnostic functions monitored by a micro-controller and shall automatically self test for one minute every 30 days, 10 minutes in the 6th month and 30 minutes annually. The "Service required" LED shall light when a fault is detected. A four-LED diagnostic display located inside the equipment shall identify the source of the failure (battery, charger circuitry, lamp load).

The battery unit unit shall be Emergi-Lite model: _____.

Dimensions



Wire Guards

460.0078-E	Wall Mount

Power Consumption and Unit Rating

Model Number	AC Specs		Wattage Capacity				
			30min	1h00	1h30	2h00	4h00
HZM36	120 / 347Vac	0.17 / 0.06 Amp	36	21	15	12	-
HZM72		0.30 / 0.10 Amp	72	42	30	24	12
HZM120		0.30 / 0.10 Amp	120	70	50	40	20

Temperature Codes

Lamp Rating	Temperature Code	Maximum Temperature	Replacement Part #
6V - 10W	T3C	160°C	580.0079-E
12V - 12W	T3A	180°C	580.0080-E
12V - 20W-H	T2D	215°C	580.0068-E

Note: Use qualified replacement lamps to avoid risk of over-heating

Ordering Information

Series	Capacity	Colour	A.C. Voltage	Options	# of Heads	Lamp/Wattage
06HZM= 6 volts **12HZM**= 12 volts	**36**= 6V-36 watts **72**= 12V-72 watts **120**= 12V-120 watts	**Blank**= grey	**Blank**= 120/347Vac **-2**= 277Vac	**U**= auto-diagnostics, audible **UN**= auto-diagnostics, non-audible (standard) **NEX**= Nexus® system interface* *Consult your sales representative for options available with NEXUS® System.	**/0**= No head **/2**= 2 heads	**MJ**= 6V - 10 watts, MR16 **MK**= 12V - 12 watts, MR16 **MW**= 12V - 20 watts, MR16-IR **LG**= 12V - 4 watts, LED MR16

EXAMPLE: 06HZM36UN/2MJ

Project/Location:

Contractor:

Date:

Prepared by:

ESLNX Battery Unit Series

6, 12 and 24 volts, NEMA-4X

Typical Specification

Supply and install the Emergi-Lite NEMA-4X Rated **ESLNX Series** battery unit. Specifically designed for high abuse areas and wet locations, the fiberglass reinforced polyester housing shall be fully gasketed as well as the clear heavy-duty UV resistant polycarbonate lamp enclosure. The lamps shall be fully adjustable without tools and shall be high efficiency halogen or LED MR16.The Emergi-Lite Smart Diagnostic Micro controller board shall supply the rated load for a minimum of a 1/2 hour to 87.5% of the rated battery voltage. The unit shall be rated 120V or 347V, 60 Hz and shall have an output of _____ volts.

The charger shall be fully computer tested and its charge voltage factory set to ± 1% tolerance. Chargers with field-adjusted potentiometers are not acceptable. A pulse-type charger shall be employed to promote long battery life and reduce the potential for grid corrosion. The charger shall provide a continuous high charge to recharge the battery, when the battery is at full capacity, the charger will shut-off. Periodically the charger shall provide a pulse of energy to keep the battery topped off. The Pulse charge shall be current limited and precisely regulated by a micro-processing circuit, which samples the battery in relation to its temperature, state or charge and input voltage fluctuations. The charger shall be current limited, temperature compensated, shortcircuit proof and reverse polarity protected. The unit shall be furnished with an electronic lockout circuit, which will connect the battery when the AC circuit is activated, and an electronic brownout circuit, which will activate the emergency lights when utility power dips below 75% of nominal voltage. A low voltage battery protection circuit shall be provided and will disconnect the battery form the fused output circuit at the end of discharge. The unit shall self-test for 1 minute every 30 days, 10 minutes on the 6th month and 30 minutes every 12 months. The unit shall be capable of full recharge in compliance with CSA specifications. The unit shall be furnished with sealed dust tight relay, a test switch and diagnostic LED indicator lights to continuously monitor the status of the unit: Battery Failure, Battery Disconnected, Charger Failure, Lamp Failure, Service Alarm, AC "ON", Charger High Rate.

The unit shall be Emergi-Lite model: _____.

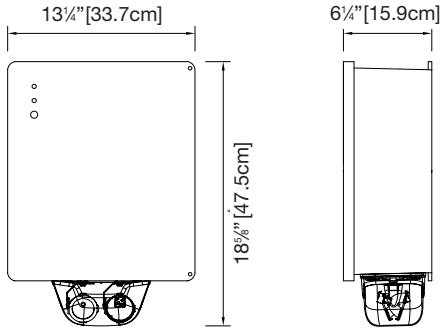
Harsh environment emergency lighting units: The **ESLNX Series** battery units are specifically designed for use in industrial facilities where equipment is exposed to dust, water, oil or corrosive substances. Meets NEMA-4X to protect circuitry from harmful dust or liquid sprays, sealed and gasketed unit made of fiberglass reinforced polyester.

Features

- Delivers great pathway illumination up to 70 feet, center to center (with M20 WH lamp)
- Fully gasketed fiberglass reinforced polyester housing - NEMA 4X
- Solid-state pulse-type charger – current-limited, temperature-compensated, short-circuit proof and reverse-polarity protected.
- Unit comes standard with electronic lockout and brownout circuits
- Sealed dust-proof transfer relay, test switch and LED indicator lights
- Long-life, maintenance-free sealed lead acid battery
- Standard 120/347Vac input voltage with line cord kit
- NEXUS® compatible (for more information on NEXUS®, please contact your sales representative)

NEMA-4X nexus® Made in Canada

Dimensions



Wire Guards

460.0034-E	Wall Mount

Power Consumption and Unit Rating

Model	AC Specs		Wattage Capacity				
			30 min.	1 hour	1h30	2 hours	4 hours
06ESLNX36	120/347Vac	0.10/0.04 Amp	36	21	15	12	6
06ESLNX72		0.22/0.08 Amp	72	42	30	24	12
06ESLNX108		0.22/0.08 Amp	108	63	45	36	18
06ESLNX180		0.22/0.08 Amp	180	105	75	60	30
12ESLNX36	120/347Vac	0.09/0.03 Amp	36	21	15	12	6
12ESLNX72		0.15/0.06 Amp	72	42	30	24	12
12ESLNX100		0.34/0.12 Amp	100	58	42	33	17
12ESLNX144		0.40/0.14 Amp	144	84	60	48	24
12ESLNX200		0.41/0.14 Amp	200	117	83	67	33
12ESLNX250		0.41/0.14 Amp	250	120	90	72	36
24ESLNX144	120/347Vac	0.55/0.20 Amp	144	84	60	48	24
24ESLNX288		0.67/0.23 Amp	288	168	120	96	48
24ESLNX350		0.67/0.23 Amp	350	200	144	120	60

Ordering Information

Series	Housing	Capacity	A.C. Voltage	Options	Number of Lamps	Lamp Wattage
06ESL= 6 volts	**NX**= NEMA 4X	**36**= 36 watts **72**= 72 watts **108**= 108 watts **180**= 180 watts	**Blank**= 120/347Vac input **-2**= 277Vac input	**Blank**= no option **A**= ammeter **D3**= time delay 15 min. **NEX***= Nexus® system (6, 12 and 24V) **P**= light activated test switch **T**= lamp disconnect **TB**= D.C. terminal block **U**= auto diagnostic **V**= voltmeter **X**= remote test reciever **H**= heater & thermostat 120V **H3**= heater & thermostat 347V *Not all options available with Nexus®. Please contact your sales representative.	**/0**= no heads **/1**= one head **/2**= two heads	**MI**= 6V 6W, MR16 **MJ**= 6V 10W, MR16 **MK**= 12V 12W, MR16 **MA**= 12V 20W, MR16 **MD**= 24V 20W, MR16 **MS**= 24V 12W, MR16 **MW**= 12V 20W, High output **LG**= 12V 4W, LED
12ESL= 12 volts	**NX**= NEMA 4X	**36**= 36 watts **72**= 72 watts **100**= 100 watts **144**= 144 watts **200**= 200 watts **250**= 250 watts				
24ESL= 24 volts	**NX**= NEMA 4X	**144**= 144 watts **288**= 288 watts **350**= 350 watts				

EXAMPLE: 24ESLNX350/2MS

EF41 Series

Remote Fixture for Hazardous Locations:
Class I Zone 2 Groups: IIA, IIB and IIC
Class I Division 2 Groups: A, B, C and D

Project/Location:

Contractor:

Date:

Prepared by:

Features

- Quality illumination requires fewer fixtures
- Certified Class I Zone 2, Groups IIA, IIB and IIC
- Certified Class I Division 2, Groups A, B, C and D as per CSA C22.2 No.137-M1981
- Temperature Codes: T3B (10W and 12W MR16 lamps) and T2C (20W MR16 lamps), as per Canadian Electrical Code, Part I and CSA C22.2 No.137-M1981)
- Extreme operational temperature range: -40ºC to +40ºC.
- Choice of single- or double-lamp models.
- High-efficacy MR16 halogen lamps of 10W, 12W and 20W (see specification table)
- Input voltage: 6V, 12V, 24V or 120V
- Fully gasketed die-cast aluminum back plate
- Clear polycarbonate cover, UV and impact resistant
- Easy installation on a 4-inch octagonal box (included)
- Comes standard with tamper-proof screws and bit

Made in Canada

Typical Specification

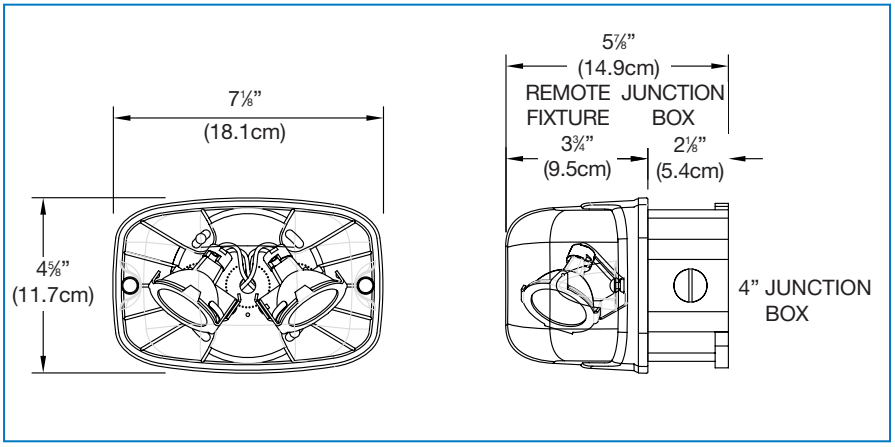
Supply and install Emergi-Lite **EF41 Series** remote emergency lighting fixture. The fixture shall have a single- or double-lamp configuration (as specified) and shall include a fully gasketed die-cast aluminum back plate and a clear heavy-duty UV resistant polycarbonate cover. The fixture shall come standard with a 4-inch octagonal box, stainless steel tamper-proof screws and dedicated screwdriver bit.

The equipment shall be certified for Hazardous Locations; Class I Zone 2 Groups: IIA, IIB and IIC and Class I Division 2 Groups: A, B, C and D and shall be listed to CSA C22.2 No. 50 and CSA C22.2 No.137-M1981. The fixture shall be rated with a temperature code for the selected lamps as in the table below.

Each lamp in the fixture shall be able to be oriented without tools and should be equipped with MR16 halogen lamp(s) of _____Volts _____ Watts.

The unit shall be Emergi-Lite model: _____.

Dimensions



Replacement Lamps

Model	Lamp Type	Voltage-Wattage	Temperature Code
580.0079-E	MR16-Flood	6V - 10W	T3B (Max. 165°C)
580.0068-E	MR16-IR flood (High output)	12V - 20W-H	T2C (Max. 230°C)
580.0077-E	MR16-Flood	24V - 20W	T2C (Max. 230°C)
580.0080-E	MR16-Flood	12V - 12W	T3B (Max. 165°C)
580.0070-E	MR16-Flood	24V - 12W	T3B (Max. 165°C)

Ordering Information

Series	Number of lamps	Lamp Type	Colour	Voltage and Wattage
EF41	**Blank**= one lamp **D**= two lamps	**M**= MR16 **MH**= MR16 high output (12V-20 watts only)	**-G**= grey	**-6V10W**= 6V - 10 watts, MR16 **-12V12W**= 12V - 12 watts, MR16 **-12V20W**= 12V - 20 watts, MR16 **-24V12W**= 24V - 12watts, MR16 **-24V20W**= 24V - 20 watts, MR16 **-120V20W**= 120Vac/Vdc - 20 watts, MR16 GU10 **-12/20H**= 12V - 20 watts, MR16 high output **-LG**= 12V - 4 watts, LED MR16

EXAMPLE: EF41M-G-6V10W

Project/Location:

Contractor:

Date:

Prepared by:

EF25 Series

Weatherproof Remote Fixture

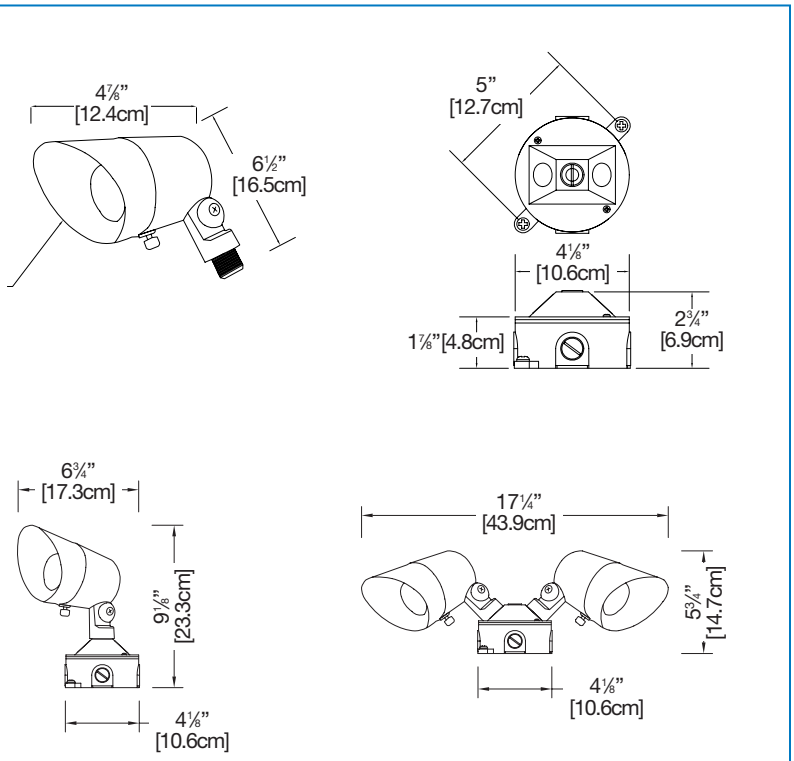
Typical Specification

Supply and install Emergi-Lite **EF25 Series** remote emergency lighting fixtures. These remote fixtures will consist of either single or double lamp configurations according to the design. These fixtures shall be built from fully gasketed die cast aluminum body, swivel and canopy with a tool less removable lamp cover. Units shall be specifically designed for wet and cold weather (-40°C) locations. The standard unit will come with stainless steel screws.

The head(s) shall be fully adjustable and should be equipped with MR16 halogen lamp(s).

The unit shall be Emergi-Lite model: _____.

Dimensions



Features

- Quality illumination requires fewer fixtures
- Weatherproof MR16 powder coated cast aluminum light head
- Up to 24Volts 50Watts
- Available single or double head
- Preinstalled on a Red Dot® weatherproof junction box:
- Five Outlets, 4⅛" Diameter
- Copper-free* aluminum provides increased corrosion resistance.
- Precision cast and machined surfaces permit safer wire pulling.
- Clean cover edges provide good gasket sealing.
- Precision NPT threads allow trouble-free field installation for rigid, IMC or EMT conduit.
- Deep slotted stainless steel cover screws for faster installation.
- For use with 6V, 12V or 24V DC MR16 lamps

Replacement Lamps

Model	Lamp Type	Voltage-Wattage
580.0079-E	MR16-Flood	6V - 10W
580.0080-E		12V - 20W
580.0070-E		24V - 12W

Ordering Information

Series	Number of heads	Colour	Lamp Voltage	Wattage
EF25= weatherproof remotes	**Blank**= single head **D**= double head	**Blank**= standard color black head/ grey junction box	**-6V**= 6 Vdc **-12V**= 12Vdc **-24V**= 24Vdc	**6W**= 6 watts, MR16 (6V only) **10W**= 10 watts, MR16 (6V only) **12W**= 12 watts, MR16 (12&24V) **20W**= 20 watts, MR16 (12&24V) **35W**= 35 watts, MR16 (12&24V) **50W**= 50 watts, MR16 (12&24V) **20WH**= 20 watts, MR16, IR* (12V only) **35WH**= 35 watts, MR16, IR* (12V only) **50WH**= 50 watts, MR16, IR* (12V only) **LG**= 12V - 4 watts, LED MR16 *IR= high output lamp

EXAMPLE: EF25-6V10W

FlexPole
Model PS & PD

Compact, Efficient and Flexible

Project/Location:

Contractor:

Date:

Prepared by:

Features

This snap on all aluminum extrusion is 2" x 15/8" comes complete with a metal barrier between the power and communication sections. Our basic model is supplied with two standard Decor Duplex Receptical 125V – 15A, 3 Decora knockouts (2 front, 1 back). A 10' line cord and plug with 3# 14SJT wires is supplied for connecting to receptacle in the ceiling.

The ceiling mounting bracket is engineered to fit any inverted T Bar System. The maximum capacity of the communication section is 4-25 pair or 2-50 pair telephone cables. Emergi-Lite standard finish is grey satin baked enamel.

Made in Canada

Our Basic Model (Dual Compartment)

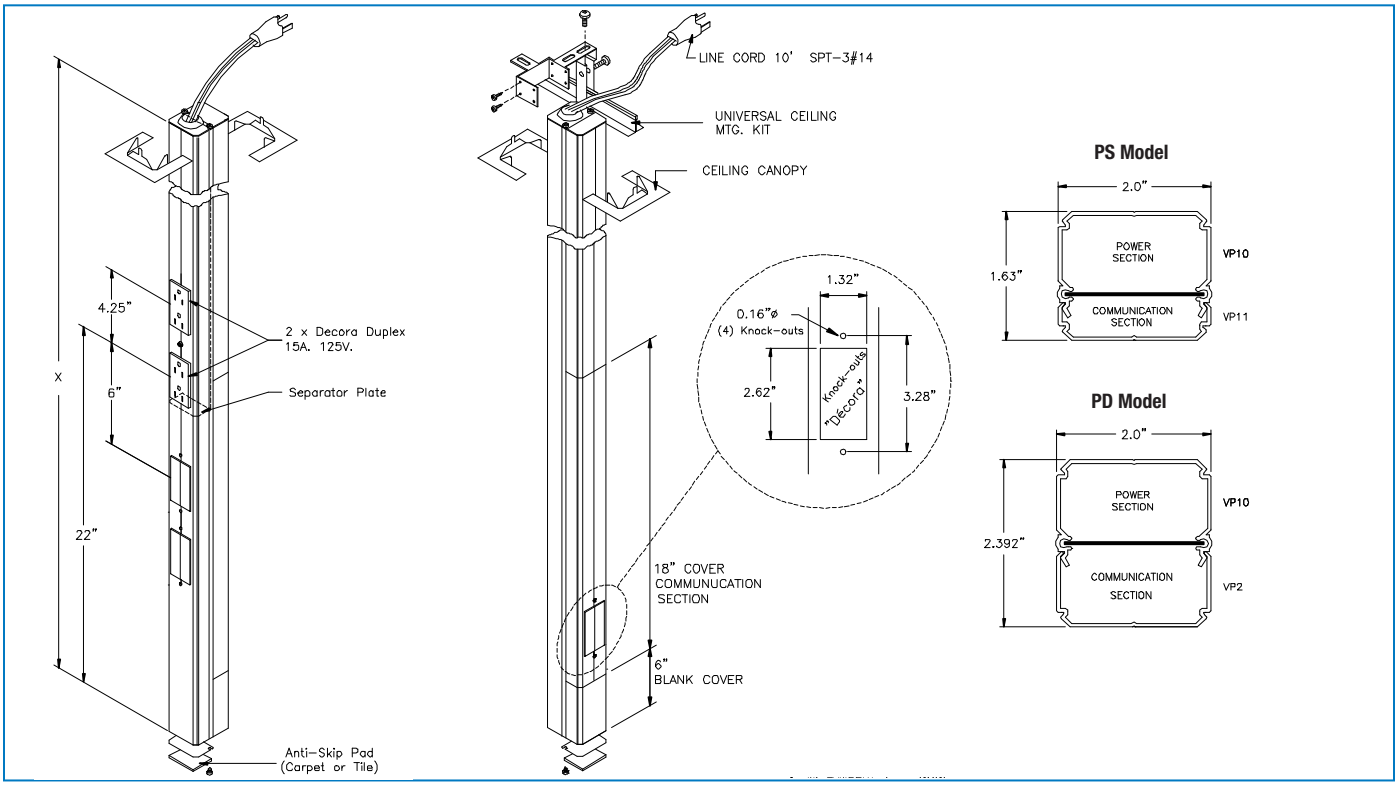
Emergi-Lite Model "PS" and "PD" FlexPole with its efficient concept easily locates electrical, telephone or computer outlets where most needed. When changing open area office layouts the FlexPole is simply unplugged and relocated. The all aluminum extrusion eliminates the nuisance of transient inductions.

Installation is complete with an easy to install ceiling mounting bracket with canopy.

Notes

CSA allows a maximum of 2-15A standard duplex receptacles when using a line cord or a maximum of 4 duplex receptacles 15A on 2 separate circuits using a junction box for permanent connection. CSA does not allow use of line cord for isolated ground receptacles. A maximum of 2-IG receptacles per circuit with a maximum of 2 circuits-4 duplex receptacles allowed for isolated ground.

Dimensions



Ordering Information

Model	Pole Height*	Duplex	Options	Brand
PS= PS series (small) **PD =** PD series (deep)	**86=** 8' 6" **96=** 9' 6" **106=** 10' 6" **12=** 12' 0" **126=** 12' 6" **136=** 13' 6" **14=** 14' 0" **146=** 14' 6" **15=** 15' 0" *Standard grey Other heights available	**BP=** blank pole **R__ =** decora duplex receptacle (specify qty)* **IG__ =** Isolated ground duplex receptacle (specify quantity) included JB option *R1 and R2 c/w line cord, R3 and R4 c/w junction box and dual circuit Notes : Max 2 duplex per circuit Max 2 circuits 15A 125V per pole	**DUC=** dual circuit **K__ =** extra decora KO's * (specify extra quantity) **BR=** barrier ** **JB=** junction box **W=** white finish *3 decora KO's are standard except on blank pole ** Barrier is standard except on blank pole **Accessories** **LCFP=** replacement line cord **MKFP=** replacement mounting kit	**E =** Emergi-Lite

EXAMPLE: PS96BPBRE= 9'6" no duplex c/w barrier
EXAMPLE: PS96R2E= 9'6" c/w 2 decora duplex, 3 decora K/O
EXAMPLE: PS96R2K1E= 9'6" c/w 2 decora duplex, 4 decora K/O
EXAMPLE: PS11R1E= 11'0" c/w 1 decora duplex, 3 decora K/O

New!

White LEDs in Emergency Battery Units and Remotes

Product	Features	Replacement Lamps		
		Ordering Code	Type	Volts/Watts
 **EF40 Series** Remote Fixture	● Quality illumination requires fewer fixtures ● Shielded to prevent tampering ● Easy installation ● Easy Lamp replacement	580.0079-E	MR16-Flood	6V - 10W
		580.0080-E		12V - 12W
		580.0077-E		24V - 20W
		580.0093-E	LED	12V - 4W
 **Literay Series** Wall Mount Remote Head	● Compact wall sconce unit for indoor and outdoor use ● High impact resistant polycarbonate diffuser ● Corrosive resistant die-cast aluminum housing ● Vandal resistant	570.0079-E	MR16-Flood	6V - 10W
		580.0080-E		12V - 12W
		580.0077-E		24V - 20W
		580.0093-E	LED	12V - 4W
 **EF9/EF9Q/EF9M Series** Micro Tungsten Quartz and MR16 Lamps	● Variable light patterns using adjustable lens ● Fire-retardant thermoplastic ● 300° rotation	570.0016-E	Tungsten	6V - 9W
		570.0045-E	Tungsten	24V - 9W
		580.0015-E	Halogen (quartz)	12V - 12W
		580.0093-E	LED	12V - 4W
 **Distinction Series** Surface Designer Series	● Remote head: 1, 2 or 3 head configurations ● Highly-resistant powder-coated, die cast aluminum construction ● 6W, 10W, 12W, 20W, 35W, and 50W availability	570.0074-E	MR16-Flood	6V - 6W
		580.0080-E		12V - 12W
		580.0077-E		24V - 20W
		580.0093-E	LED	12V - 4W
 **EFR Distinction** Remote Collection Recessed Designer Series	● 6W, 10W, 12W, 20W, 35W, and 50W availability ● Choice of housing for new construction or insulated ceiling ● EFR8NB and EFR8R are made of powder coated or electro-plated steel ● EFR9 is made of die-cast	580.0079-E	MR16-Flood	6V - 10W
		580.0080-E		12V - 12W
		580.0077-E		24V - 20W
		580.0093-E	LED	12V - 4W
 **Survive-All EF39 Series** NEMA-4X Certified Remote Fixture	● Fully gasketed cast aluminum back plate with clear polycarbonate cover – NEMA-4X Certified ● UV and impact resistant cover, choice of single or double lamp models ● Available in 6, 12 and 24 volts models with various wattages ● NSF Certified for food processing plants**	580.0079-E	MR16-Flood	6V - 10W
		580.0080-E		12V - 12W
		580.0077-E		12V - 12W
		580.0093-E	LED	12V - 4W
 **Retract-a-Lite Series**	● Remote only visible upon power failure ● Front can be painted or wall papered on-site to match existing decor	580.0080-E, 580.0064-E 580.0083-E, 580.0076-E	MR16 flood	12V-12W-50W
		580.0068-E, 580.0090-E 580.0089-E	MR16 High-output	12V-20W-50W
		580.0093-E*	LED	12V - 4W
 **Mini Retract-a-Lite** Fully Concealed, Easy to Retrofit	● Easy to retrofit in finished walls: the unit slides in through an 8.25-in by 5.75-in hole, open next to a wall stud, no pre-installed back box ● Output: 12Vdc with up to 100 watts of power ● Direct connection to 120 or 347Vac power generators	580.0080-E, 580.0064-E 580.0083-E, 580.0076-E	MR16 flood	12V-12W-50W
		580.0068-E, 580.0090-E 580.0089-E	MR16 High-output	12V-20W-50W
		580.0093-E*	LED	12V - 4W
 **Distinction Series** 6, 12 and 24 Volts Decorative Battery Units	● Rugged steel cabinet with corrosion-resistant undercoating ● Solid-state pulse-type charger – current-limited, temperature-compensated, short-circuit proof and reverse-polarity protected. ● Electronic lockout and brownout circuits ● Long-life, maintenance-free lead acid battery, NEXUS® compatible**	580.0074-E	MR16 - Flood	6V-6W
		580.0079-E		6V-10W
		580.0093-E	LED	12V - 4W
 **JMLA Series** 6 and 12 Volts Decorative Battery Units	● Rugged steel cabinet with corrosion-resistant undercoating ● Solid-state pulse-type charger – current-limited, temperature-compensated, short-circuit proof and reverse-polarity protected ● Unit comes standard with electronic lockout and brownout circuits ● Long-life, maintenance-free lead acid battery, NEXUS® compatible**	580.0074-E	MR16	6V - 6W
		580.0079-E		6V - 10W
		580.0080-E		12V - 12W
		580.0068-E		12V - 20W
		580.0093-E	LED	12V - 4W
 **Survive-All NXM Series** NEMA-4X Certified Battery Unit	● Fully gasketed cast aluminum back plate with clear polycarbonate cover – NEMA-4X Certified ● NSF Certified for food processing plants, cold weather option (-40°C) ● Comes standard with non-audible advanced diagnostic charger board, 10 minute time delay and lamp disconnect ● Long-life, maintenance free sealed lead acid battery**	580.0074-E	M6W, MR16, 6V - 6W, flood	
		580.0079-E	M10W, MR16, 6V - 10W, flood	
		580.0080-E	M12W, MR16, 12V - 12W, flood	
		580.0068-E	MH20W, MR16, 12V - 20W	
		580.0093-E	LED, 12V - 4W	

*Please consult the Emergi-Lite product catalogue or website for precise lamp ordering information
**For more extensive product information please consult the Emergi-Lite product catalogue or website

Continued on next page

Project/Location:

Contractor:

Date:

Prepared by:

Notes

EMERGI-LITE

www.emergi-lite.com

Thomas&Betts

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