EMERGI-LITE

**Pictogram
Exit Signs Catalogue**

Introducing new Pictogram Exit Signs

To harmonize with existing international standards (ISO 7010 and ISO 3864-1), the National Building Code of Canada (NBC) released at the end of 2010 introduces a major change to emergency lighting signage. The new NBC replaces the traditional EXIT, SORTIE legend using letters and chevrons with a Pictogram (the running man) and, when needed, a large directional arrow.

The colors of the Pictogram legend are green and bright white instead of the red letters and opaque background (white, black, etc.) of the EXIT, SORTIE signs. The entire Pictogram legend surface (both colors) must be illuminated in normal and emergency lighting modes.

The Pictogram legend has three main configurations: "left from here," "straight from here," and "right from here."

Other orientations of the arrow are allowed in increments of 45 degrees. Unlike the EXIT, SORTIE legend, the Pictogram legend cannot use peel-off arrows, since the "left" and "right" legends do not use a common running man.

With the new Pictogram signs, there is no legend with two arrows (left and right). Double arrow configurations require two signs.

Following the NBC modifications, the Canadian Standards Association revised the main standard for emergency lighting: CSA22.2 No.141-10. The CSA revision includes two annexes dedicated to the tests and performance of the EXIT/SORTIE and Pictogram signs. Equipment manufacturers can offer both types of signage during the transition period.

Provincial building codes may adopt the NBC as is or with modifications. A special dispensation may be requested to use the Pictogram signs before local codes have been approved. These dispensations may or may not be granted by the local authority having jurisdiction. The local building authority should be contacted to determine which signs should be used.

Table of content

www.emergi-lite.com

EA Series
Extruded Aluminum
Pictogram Exit Sign
Versatile, smooth finish, pictogram exit signage

Project/Location:

Contractor:

Date:

Prepared by:

Features

- Durable extruded, one-piece Aluminum housing and face plates
- White LED light source
- Supplied standard with two pictogram films per face, for direction selection
- Meets or exceeds CSA 22.2 No.141-10 standard for pictogram exit signs
- Universal AC input: two-wire 120 to 347VAC; standard DC input: two-wire 6 to 24VDC
- Energy efficient – consumes less than 2.5W in AC or DC-remote mode
- Self-Powered model gives standard two hours of back-up lighting
- Universal mounting – end, wall or ceiling
- Easy access to wiring entry for all mounting options
- Comes standard with the **Emergi-Lite®** EZ2 canopy for quick and easy installation

Made in Canada

Wire Guards

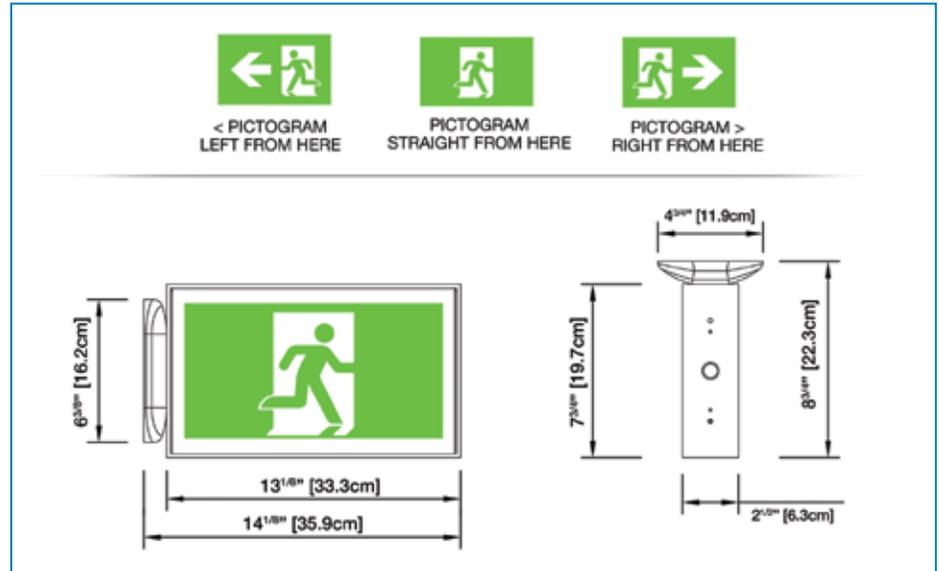|	
460.0079-E	Wall mount
460.0027-E	End mount
460.0028-E	Ceiling mount

Typical Specification

Supply and install the **Emergi-Lite® EA Series** pictogram exit signs. The equipment shall operate with universal 2-wire AC input Voltage of 120 to 347VAC at less than 2.5 Watts and universal 2-wire DC input Voltage from 6 to 24VDC at less than 1.5 Watts for single and double face signs. The equipment shall be suitable for wall, end, or ceiling mount. The housing shall be constructed of rugged extruded aluminum and have a maximum depth of 2-1/2". The faceplate(s) shall be constructed of extruded Aluminum and shall incorporate a protective clear Polycarbonate panel. Each face plate shall come standard with two legend films for pictogram and direction selection. The light source shall be white light-emitting diodes (LED) and shall provide even illumination in normal and emergency operation. The pictogram exit sign in a Self-Powered configuration shall use a sealed Nickel-Cadmium battery of 2.4V nominal Voltage and shall stay illuminated during emergency operation for at least two hours upon AC failure.

The pictogram exit sign shall meet or exceed the CSA 22.2 No.141-10 standard.

The equipment shall be **Emergi-Lite®** Model: _____.

Dimensions

Power Consumption

Model	AC Specs		DC Specs	
AC-only	120 to 347VAC	Less than 2.5W	-	-
AC/DC standard	120 to 347VAC	Less than 2.5W	6 to 24VDC	Less than 1.5W
AC/Special DC	120 to 347VAC	Less than 2.5W	36, 48, 120VDC	Less than 2.5W
Two-wire 120V AC/DC	120VAC	Less than 2.5W	120VDC	Less than 2.5W
Self-Powered	120 to 347VAC	Less than 3W	Nickel-Cadmium battery	Minimum two hours

Ordering Information

Series	Faces / Mounting	Colour	Voltage	Options
EA= extruded aluminum pictogram exit sign	**1**= single face universal mount **2**= double face universal mount	**W**= factory white **B**= black **G**= gray **A**= brushed aluminum Other colours available	**U**= universal 120 to 347VAC; 6 to 24VDC **I**= 120 to 347VAC; Self-Powered/ 2 hours **U00**= 120 to 347VAC only **U36**= 120 to 347VAC; 36VDC **U48**= 120 to 347VAC; 48VDC **U120**= 120 to 347VAC; 120VDC **2120**= 2-wire 120VAC/VDC	**TP**= tamper-proof screws **VR**= vandal-resistant shield and tamper-proof screws **990.0119-E**= tamper-proof bit* *One bit per order. Sold separately.

EXAMPLE: EA1WUTP

Unlike EXIT signs, the pictogram sign is not available in double arrow configuration.

EMERGI-LITE ®

Thomas&Betts

Project/Location:

Contractor:

Date:

Prepared by:

ES Series
All-Metal Pictogram Exit Sign
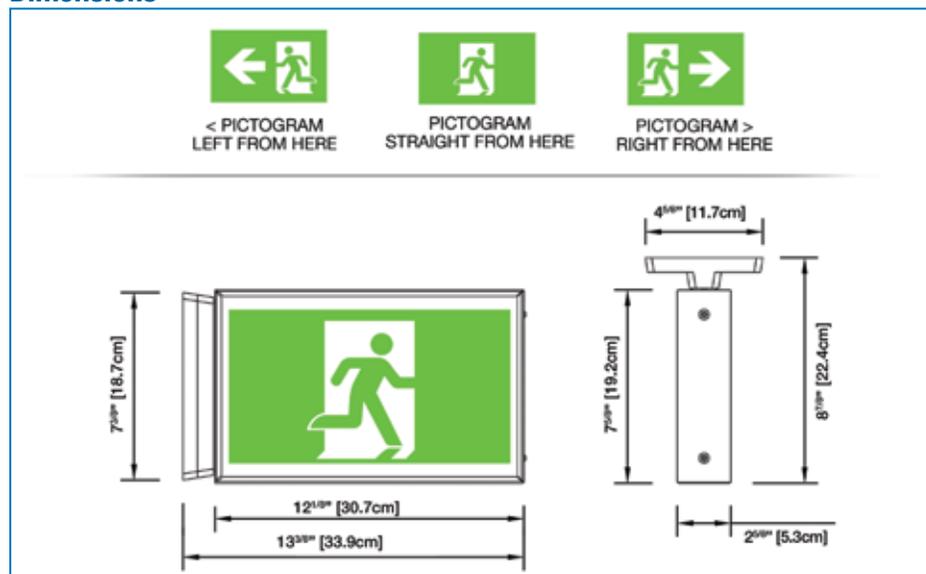### Labour-saving, Steel pictogram exit sign

Typical Specification

Supply and install the **Emergi-Lite® ES Series** pictogram exit signs. The equipment shall operate with universal 2-wire AC input Voltage of 120 to 347VAC at less than 2.5 Watts and universal 2-wire DC input Voltage from 6 to 24VDC at 1 Watt consumption for single and double face signs. The sign shall be suitable for wall, end, or ceiling mount. The frame and back plate shall each be of a one-piece steel construction. The faceplate(s) shall be constructed of robust clear Polycarbonate panels with an opaque border coloured factory-white. Each face plate shall come standard with two legend films for pictogram and directional indicators. The light source shall be white light-emitting diodes (LED) and shall provide even illumination in normal and emergency operation. The pictogram exit sign in a Self-Powered configuration shall use a sealed Nickel-Cadmium battery of 2.4V nominal Voltage and shall stay illuminated during emergency operation for at least two hours upon AC failure.

The exit sign shall meet or exceed the requirements of CSA 22.2 No.141-10 standard.

The equipment shall be **Emergi-Lite®** Model: _____.

Dimensions

< PICTOGRAM LEFT FROM HERE

PICTOGRAM STRAIGHT FROM HERE

PICTOGRAM > RIGHT FROM HERE

4⁵/⁸" [11.7cm]

7³/⁸" [18.7cm]

7¹/²" [19.2cm]

8¹/⁸" [22.4cm]

12¹/⁸" [30.7cm]

13³/⁸" [33.9cm]

2¹/⁸" [5.3cm]

Features

- Metal construction using Canadian cold-rolled steel
- Based on a modular design, this product comes pre-assembled for quick, easy installation
- Long-life white LED light source
- Supplied standard with two pictogram films per face, for direction selection
- Meets or exceeds CSA 22.2 No.141-10 standard for pictogram exit signs
- Two-wire universal AC input: 120 to 347VAC; two-wire standard DC input: 6 to 24VDC
- Energy efficient – consumes less than 2.5 Watts in AC mode and only 1W in DC-remote
- Self-Powered model delivers standard two hours of back-up lighting
- Universal mounting – end, wall or ceiling
- Easy access to wiring entry for all mounting options
- Canopy mounting system designed specifically for ease of installation

Wire Guards

460.0079-E	Wall mount
460.0027-E	End mount
460.0028-E	Ceiling mount

Power Consumption

Model	AC Specs		DC Specs	
AC-only	120 to 347VAC	Less than 2.5W	-	-
AC/DC standard	120 to 347VAC	Less than 2.5W	6 to 24VDC	Less than 1.5W
AC/Special DC	120 to 347VAC	Less than 2.5W	36, 48, 120VDC	Less than 2.5W
Two-wire 120V AC/DC	120VAC	Less than 2.5W	120VDC	Less than 2.5W
Self-Powered	120 to 347VAC	Less than 3W	Nickel-Cadmium battery	Minimum two hours

Ordering Information

Series	Faces / Mounting	Colour	Voltage	Options
ES= pictogram steel exit sign	**1**= single face universal mounting **2**= double face universal mounting	**W**= factory white **B**= black **G**= gray Other colours available	**U**= universal 120 to 347VAC; 6 to 24VDC **I**= 120 to 347VAC; Self-Powered / 2 hours **U00**= 120 to 347VAC only **U36**= 120 to 347VAC; 36VDC **U48**= 120 to 347VAC; 48VDC **U120**= 120 to 347VAC; 120VDC **2120**= 2-wire 120VAC/VDC	**TP**= tamper proof screws **VR**= vandal-resistant shield and tamper proof screws **990.0119-E**= tamper proof bit* *One bit per order. Sold separately.

EXAMPLE: ES2WUVR

Unlike EXIT signs, the pictogram sign is not available in double arrow configuration.

EMERGI-LITE®

Thomas&Betts

EN Series
NEMA-4X Rated Pictogram Exit Sign
All-climate, harsh environment
pictogram exit signage

Features

- NEMA-4X Certified
- NSF compliant for food processing
- Polymeric enclosure is fully gasketed around lens and canopy to secure against water leaks
- Sealed, heavy-duty, vandal-resistant polycarbonate face plate
- Suitable for cold-weather: -40°C for AC/DC and -20°C for Self-Powered models (option: -CW)
- Tamper-resistant, concealed test switch with magnetic action
- White LED light source
- Supplied standard with two pictogram films per face, for direction selection
- Meets or exceeds CSA 22.2 No.141-10 standard for pictogram exit signs
- Universal AC input: two-wire 120 to 347VAC; Standard DC input: two-wire 6 to 24VDC
- Energy efficient – consumes less than 2.5 Watts in AC or DC-remote mode
- Self-Powered models deliver two hours of back-up lighting

nexus®
Made in Canada
NEMA-4X
CSA®
NSF

Wire Guards

460.0079-E	Wall mount
460.0027-E	End mount
460.0028-E	Ceiling mount

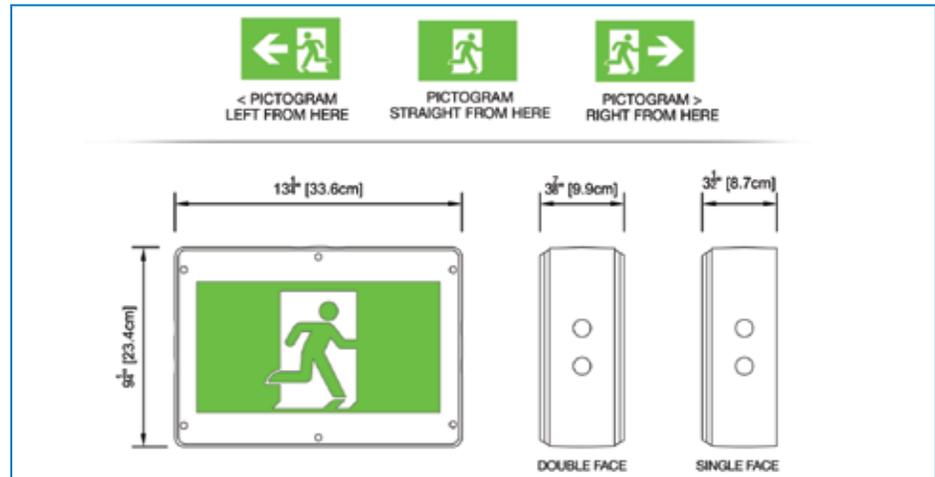## Typical Specification

Supply and install the **Emergi-Lite® EN Series** pictogram exit signs. The equipment shall be certified for NEMA- 4X and designed specifically for high abuse areas, wet location, and cold weather applications. The equipment frame shall be of industrial grade polyvinyl chloride 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. Each face plate shall come standard with two legend films for pictogram and direction selection. The light source shall be white light-emitting diodes (LED). The pictogram exit sign shall operate with universal 2-wire AC input Voltage of 120 to 347VAC at less than 2.5 Watts and universal 2-wire DC input Voltage from 6 to 24VDC at less than 1 Watt for single and double face signs. The Self-Powered model shall include a concealed green pilot light and magnet-sensitive test switch, shall use a sealed Nickel-Cadmium battery of 2.4V nominal Voltage and shall stay illuminated during emergency operation for at least two hours upon AC failure. When specified, the Self-Powered model shall include auto diagnostic functions: it shall execute automatic tests for 5 minutes every 30 days, 30 minutes every 60 days and two hours annually. When a fault is detected, the bi-colour pilot light shall turn from green to red and flash following a particular code. The code description shall be visible on a label next to the pilot light to identify the failure type: battery, charger circuitry, or LED lamps.

The pictogram exit sign shall meet or exceed the CSA 22.2 No.141-10 standard.

The equipment shall be **Emergi-Lite®** Model: _____.

Dimensions

< PICTOGRAM LEFT FROM HERE

PICTOGRAM STRAIGHT FROM HERE

PICTOGRAM > RIGHT FROM HERE

13¼" [33.6cm]

3⅞" [9.9cm]

3½" [8.7cm]

9¼" [23.4cm]

DOUBLE FACE

SINGLE FACE

Power Consumption

Model	AC Specs		DC Specs	
AC-only	120 to 347VAC	Less than 2.5 W	-	-
A C/DC standard	120 to 347VAC	Less than 2.5 W	6 to 24VDC	Less than 1 W
AC/Special DC	120 to 347VAC	Less than 2.5 W	36, 48, 120VDC	Less than 2.5 W
Two-wire 120V AC/DC	120VAC	Less than 2.5 W	120VDC	Less than 2.5 W
Self-Powered	120 to 347VAC	Less than 3 W	Nickel-Cadmium battery	Min. two hours
Auto diagnostic	120 / 347VAC	Less than 3.5 W	Nickel-Cadmium battery	Min. two hours

Ordering Information

Series	Faces / Mounting	Colour	Voltage	Options
EN= NEMA-4X & NSF pictogram exit sign	**1**= single face universal mounting **2**= double face universal mounting	**W**=factory white **B**= black	**I**= 120 to 347 VAC; Self-Powered / 2 hours **ID**= 120/347 VAC; Self-Powered / 2 hours c/w non-audible diagnostic **ID2**= 120/ 277 VAC; Self-Powered / 2 hours c/w non-audible diagnostic **U**= universal 120 to 347 VAC; 6 to 24 VDC **U00**= 120 to 347 VAC only **U36**= 120 to 347 VAC; 36 VDC **U48**= 120 to 347 VAC; 48 VDC **U120**= 120 to 347 VAC; 120 VDC **2120**= 2-wire 120 VAC/VDC	**Blank**= no options **CW**= cold-weather (-20°C for spwrd, -40°C for AC/DC) **FA**= fire alarm-activated flasher (ID model only) **FB**= flasher / buzzer in emergency mode (ID model only) **NEX**= NEXUS® system interface* **NEXRF**= wireless NEXUS® system interface* *Note: some options are not available with NEXUS® system

EXAMPLE: EN1WUCW

Unlike EXIT signs, the pictogram sign is not available in double arrow configuration.

EMERGI-LITE ®

Thomas&Betts

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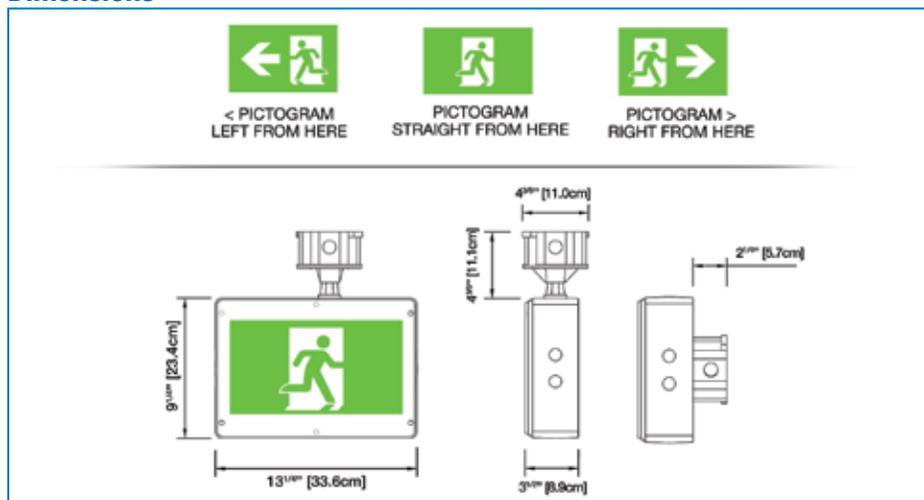### Class I Division 2 Groups: A, B, C and D

Typical Specification

Supply and install the **Emergi-lite® EH Series** of pictogram exit signs. The equipment shall be certified for Hazardous Locations: Class I Division 2 Groups A, B, C and D with a temperature code T6 (Maximum 85ºC). The equipment frame shall be of industrial grade polyvinyl chloride with a gasket around lenses and canopy. The faceplate(s) shall be constructed of heavy-duty vandal-resistant polycarbonate and feature an even illuminated pictogram legend. Each face plate shall come standard with two legend films for pictogram and direction selection. The light source shall be long-life white light-emitting diodes (LED). The pictogram exit sign shall operate with universal 2-wire AC input Voltage of 120 to 347VAC at less than 2.5 Watts and universal 2-wire DC input Voltage from 6 to 24VDC at less than 1 Watt for single and double face signs.
The Self-Powered model shall include a concealed pilot light and magnet-sensitive test switch, shall use a sealed Nickel-Cadmium battery of 2.4V nominal Voltage and shall stay illuminated during emergency operation for at least two hours upon AC failure. The Self-Powered model shall include auto-diagnostic functions: it shall execute automatic tests for 5 minutes every 30 days, 30 minutes every 60 days and two hours annually. When a fault is detected, the bi-colour pilot light shall turn from green to red and flash following a particular code. The code description shall be visible on a label next to the pilot light to identify the failure type: battery, charger circuitry, or LED lamps.

The pictogram exit sign shall meet or exceed the CSA 22.2 No.141-10 standard.

The equipment shall be **Emergi-lite®** Model: _____ .

Dimensions

Features

- Compliant Class I Division 2, Groups A, B, C and D as per CSA C22.2 No.137-M1981
- Class I Zone 2 Groups IIA, IIB, IIC
- Temperature Code T6 (maximum +85°C) as per Canadian Electrical Code, Part I and CSA C22.2 No.137-M1981
- High-impact thermo-plastic frame with built-in gasket to secure against liquid leaks
- Sealed, heavy-duty, vandal-resistant polycarbonate face plate(s)
- Concealed pilot light and test switch with magnetic action
- Long-life white LED light source
- Supplied standard with two pictogram films per face, for direction selection
- Meets or exceeds CSA 22.2 No.141-10 standard for pictogram exit signs
- Universal AC input: two-wire 120 to 347VAC; standard DC input: two-wire 6 to 24VDC
- Energy efficient – consumes less than 2.5 Watts in AC or DC-remote mode
- Self-Powered models come standard with auto-diagnostic functions and deliver two hours of back-up legend illumination
- Suitable for cold-weather: -40°C for AC/DC and -20°C for Self-Powered models (option: -CW)

Power Consumption

Model	AC Specs		DC Specs	
AC-only	120 to 347VAC	Less than 2.5W	-	-
AC/DC standard	120 to 347VAC	Less than 2.5W	6 to 24VDC	Less than 1W
AC/Special DC	120 to 347VAC	Less than 2.5W	36, 48, 120VDC	Less than 2.5W
Two-wire 120V AC/DC	120VAC	Less than 2.5W	120VDC	Less than 2.5W
Auto-diagnostic	120 / 347VAC	Less than 3.5W	Nickel-Cadmium battery	Minimum two hours

Ordering Information

Series	Faces/Mounting*	Housing Colour	Voltage	Options
EH= Cl.I Div.2 pictogram exit sign	**1**= single face **2**= double face *Ceiling or wall mount only.	**G**= gray	**ID**= 120/347VAC; Self-Powered/ 2 hours c/w non-audible diagnostic **ID2**= 120/ 277 VAC; Self-Powered/ 2 hours c/w non-audible diagnostic **U**= universal 120 to 347 VAC; 6 to 24 VDC **U00**= 120 to 347 VAC only **U36**= 120 to 347 VAC; 36 VDC **U48**= 120 to 347 VAC; 48 VDC **U120**= 120 to 347 VAC; 120 VDC **2120**= 2-wire 120 VAC/VDC	**CW**= cold-weather (-20°C for spwrd, -40°C for AC/DC) **FA**= fire alarm-activated flasher (ID model only) **FB**= flasher/buzzer in emergency mode (ID model only) **NEX**= NEXUS® system interface* *Note: some options are not available with NEXUS® system

EXAMPLE: EH1GU

Unlike EXIT signs, the pictogram sign is not available in double arrow configuration.

EMERGI-LITE®

Thomas&Betts

EDE Series
Die-Cast Aluminum Pictogram Edge-Lit Exit Sign

Features

- Listed CSA 22.2 No.141-10
- Self-Powered models provide minimum 90 minutes of emergency lighting
- Die-cast Aluminum construction
- Modular design offers great choice of architectural profiles
- Universal die-cast back-box for surface or semi-recessed mounting on ceilings or walls
- LED strip module can be rotated in the unit for either wall or ceiling mount
- Flat die-cast trim plate and galvanized steel back-box for recessed ceiling mount
- Clear acrylic panel with pictogram legend
- Comes standard with double-face panels for use in single-face and double-face applications
- White LED light source
- Universal AC input: two-wire 120 to 347VAC; universal DC input: two-wire 6 to 24VDC
- Energy efficient – consumes less than 2.5 Watts in AC and DC-remote modes

Typical Specification

Supply and install the **Emergi-Lite® EDE series** of die-cast pictogram edge-lit signs.

When specified for surface mount, the unit shall come standard with a trim plate, trim ring, back box and canopy made of die-cast aluminum with _____ finish. The trim plate shall have a _____ profile and allow for wall- or ceiling-mount installation. The trim ring shall allow for semi-recessed installation in walls or ceilings with cavity. The canopy shall allow for wall, end, or ceiling mount.

When specified for recessed ceiling-mount, the unit shall come standard with a flat trim plate of die-cast aluminum with _____ finish, a back box of galvanized steel, and a hardware kit for back box installation between ceiling joists. The back box shall be provided with conduit knock-outs at the top, back and end.

 All edge-lit units shall have the trim plate snap and lock in the housing with torsion spring retainers, thereby eliminating any visible screws or hardware. The legend shall be printed on a clear acrylic panel. The panel shall come standard with double-face legend, for single-face and double-face applications. The light source shall be long-life white light-emitting diodes (LED) and shall provide even illumination in normal and emergency operation. The edge-lit sign shall operate with universal 2-wire AC input Voltage of 120 to 347VAC at less than 2.5 Watts and universal 2-wire DC input Voltage from 6 to 24VDC at less than 2.5 Watts. The edge-lit sign in a Self-Powered configuration shall use a sealed Nickel-Cadmium battery of 2.4V nominal Voltage and shall stay illuminated during emergency operation for at least 90 minutes upon AC failure.

When specified, the Self-Powered unit shall include non-audible auto-diagnostic/auto-test/self-diagnostics functions, managed by a micro-controller: it shall execute automatic tests for 5 minutes every 30 days, 30 minutes every 60 days and two hours annually. When a fault is detected a red flashing LED shall identify the failure type: battery, charger circuitry, or LED lamps.

The edge-lit sign shall be listed CSA 22.2 No.141-10.

The equipment shall be **Emergi-Lite®** Model:_____.

Power Consumption

Model	AC Specs		DC Specs	
AC-only	120 to 347VAC	Less than 2.5W	-	-
AC/DC standard	120 to 347VAC	Less than 2.5W	6 to 24VDC	Less than 2.5W
Self-Powered	120 to 347VAC	Less than 3.5W	Nickel-Cadmium battery	Minimum 90 minutes
Self-Powered diagnostic	120/347VAC	Less than 3.5W	Nickel-Cadmium battery	Minimum 90 minutes

Ordering Information

Series	Faces / Arrow (Universal Mounting)	Colour	Trim	Voltage
EDE= die-cast edge-lit pictogram exit sign	**2**= universal two-face, no arrow **A**= universal two-face, arrow left-right	**A**= brushed aluminum **B**= black **C**= chrome **P**= polished brass **W**= factory white **Z**= bronze	**A**= angular **C**= circular **F**= flat (fully recessed)	**AC**= AC only, 120 to 347VAC **U**= 120 to 347VAC, 6 to 24VDC **U48**= 120 to 347VAC, 48VDC **UI**= Self-Powered, 120 to 347VAC **ID**= Self-Powered with non-audible diagnostic, 120/347VAC **D2**= Self-Powered with non-audible diagnostic, 120/277VAC

EXAMPLE: EDE2WAID

Unlike EXIT signs, the pictogram sign is not available in double arrow configuration.
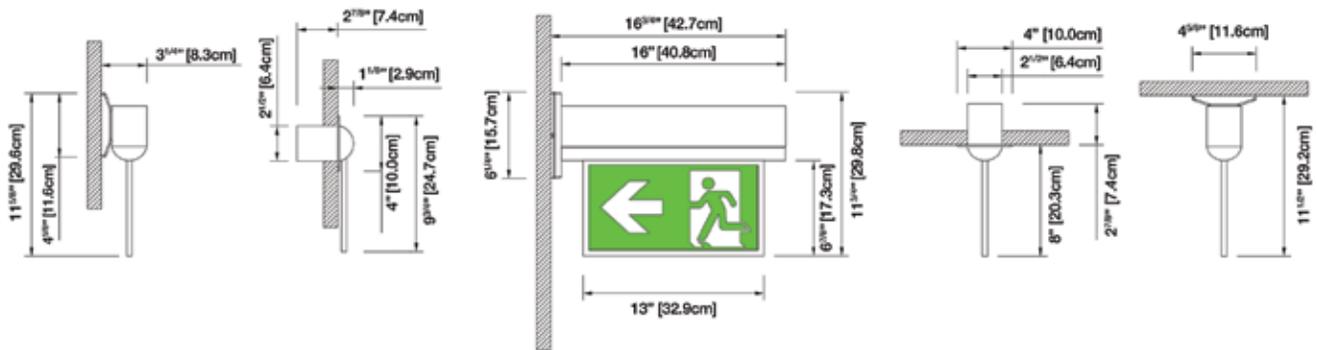
EMERGI-LITE®

Thomas&Betts

EDE Series
Die-Cast Aluminum Pictogram
Edge-Lit Exit Sign
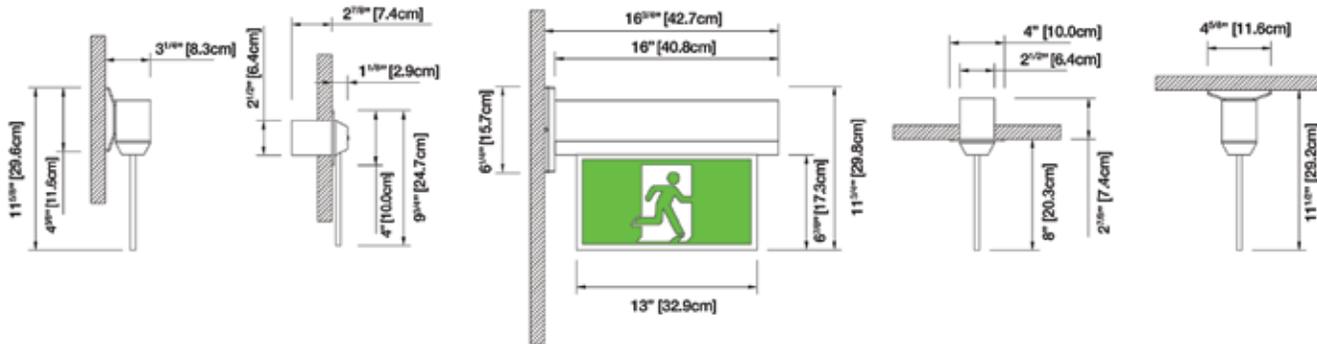
Dimensions

Round Trim

Angular Trim

Flat Trim
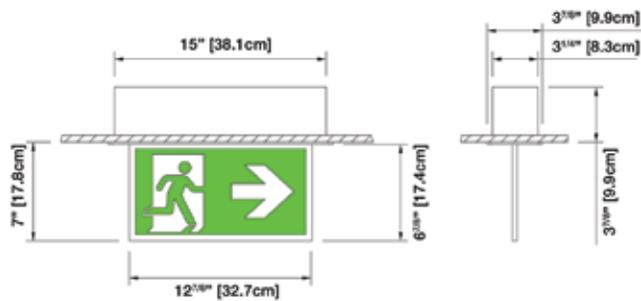
EAE Series
Aluminum Slim Edge-Lit Pictogram Exit Sign

Features

- Slim-profile extruded Aluminum housing
- Low-profile EZ2 die-cast Aluminum canopy
- Universal surface mounting – wall, ceiling or end mount
- Click-to-open housing door allows easy access to the panel and electrical wiring
- Extruded acrylic panel with pictogram legend
- Comes standard with double-face panels for use in single-face and double-face applications
- Long-life white LED light source
- Meets or exceeds CSA 22.2 No.141-10 standard for pictogram exit signs
- Universal AC input: two-wire 120 to 347VAC; standard DC input: two-wire 6 to 24VDC
- Energy efficient – consumes less than 3 Watts in AC or DC-remote mode
- Self-Powered models provide minimum two hours of emergency lighting

Made in Canada

Typical Specification

Supply and install the **Emergi-Lite® EAE Series** of slim-profile pictogram edge-lit exit signs. The unit shall operate with universal 2-wire AC input Voltage of 120 to 347VAC at less than 3 Watts and universal 2-wire DC input Voltage from 6 to 24VDC at less than 2.5 Watts. The housing assembly shall be constructed of extruded aluminum with textured finish and _____ colour. The canopy shall be of die-cast aluminum and allow for wall, end, or ceiling mount. The legend shall be printed on a pure-acrylic panel. The panel shall come standard with double-face legend, for single-face and double-face applications. The light source shall be long-life white light-emitting diodes (LED) and shall provide even illumination in normal and emergency operation. The pictogram edge-lit exit sign in a Self-Powered configuration shall use a sealed Nickel-Cadmium battery of 2.4V nominal Voltage and shall stay illuminated during emergency operation for at least two hours upon AC failure.

The pictogram edge-lit exit sign shall meet or exceed the CSA 22.2 No.141-10 standard.

The equipment shall be **Emergi-Lite®** Model: _____.

Dimensions
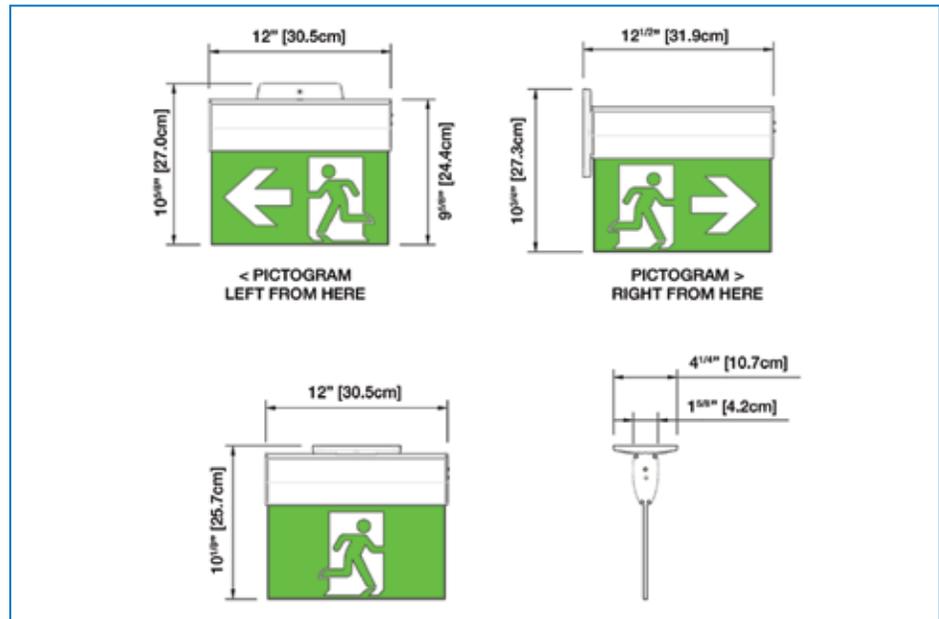
Power Consumption

Model	AC Specs		DC Specs	
AC-only	120 to 347VAC	Less than 3W	-	-
AC/DC standard	120 to 347VAC	Less than 3W	6 to 24VDC	Less than 2.5W
AC/48VDC	120 to 347VAC	Less than 3W	48VDC	2W
AC/120VDC	120 to 347VAC	Less than 3W	120VDC	4.7W
Two-wire 120V AC/DC	120VAC	Less than 3.5W	120VDC	Less than 3.5W
Self-Powered	120 to 347VAC	Less than 4W	Nickel-Cadmium battery	Minimum two hours

Ordering Information

Series	Faces / Arrow (Universal Mounting)	Colour	Voltage
EAE= extruded aluminum pictogram edge-lit exit sign	**2**= universal two-face, no arrow **A**= universal two-face, arrow left or right	**TA**= textured aluminum **OW**= off-white	**AC**= 120 to 347VAC only **U**= 120 to 347VAC; 6 to 24VDC **UI**= 120 to 347VAC; Self-Powered/ 2 hours **U48**= 120 to 347VAC; 48VDC **U120**= 120 to 347VAC; 120VDC **2120**= 2-wire 120VAC/VDC

EXAMPLE: EAE2TAU

Unlike EXIT signs, the pictogram sign is not available in double arrow configuration.

EAC Series
Extruded Aluminum Combination Unit

Typical Specification

Supply and install **Emergi-Lite® EAC Series** combination of unit equipment and pictogram exit sign. The unit shall be suitable for universal mounting: wall, end, or ceiling. The unit shall include a power pack made of steel and a legend housing including a one-piece extruded aluminum frame. The legend housing shall have a maximum depth of 2-1/2". The face plate(s) shall be of extruded Aluminum and shall incorporate a protective clear polycarbonate panel. Each face plate shall come standard with two legend films for pictogram and direction selection. The light source shall be white light-emitting diodes (LED) and shall provide even illumination in normal and emergency operation. The power pack shall be complete unit equipment with battery charger and rechargeable battery. The battery shall be maintenance-free, sealed Lead-Calcium. In case of AC power failure the equipment shall provide minimum 30 minutes of emergency lighting. The rated DC power available for emergency lights shall be 27 Watts or up to 80 Watts, as specified. The emergency heads shall require no tools to adjust and aim. The heads shall be made of durable thermoplastic construction and include 4-watt MR16 LED lights or as otherwise specified.

Units with "auto-diagnostic option" shall include a micro-controller circuit to monitor all the critical functions of the equipment and execute periodical tests of one minute every 30 days, 10 minutes every 6 months and 30 minutes every 12 months. In case of equipment malfunction, an LED-based diagnostic display shall generate a service alarm and indicate the cause of failure: battery, charger circuit, emergency lamps or exit sign lamps.

The equipment shall meet or exceed the requirements of CSA 22.2 No.141-10 standard.

The equipment shall be **Emergi-Lite®** Model: _____.

Features

- Solid metal construction, painted factory white
- Universal mounting: end, wall or ceiling
- Meets or exceeds CSA 22.2 No.141-10 standard for unit equipment and pictogram safety signs
- Legend illuminated by long-life white LED's
- Comes standard with two pictogram films per face, for direction selection
- Comes standard with two high-performance 4-watt MR16 LED lamps
- Twin 4-watt LED emergency lights provide 34 - 40 feet of egress illumination on a 6-foot wide path
- Sealed, maintenance-free Lead-Calcium battery
- Remote load capacity: 70 up to <u>350 feet</u> of egress illumination when using LED remote heads

Dimensions
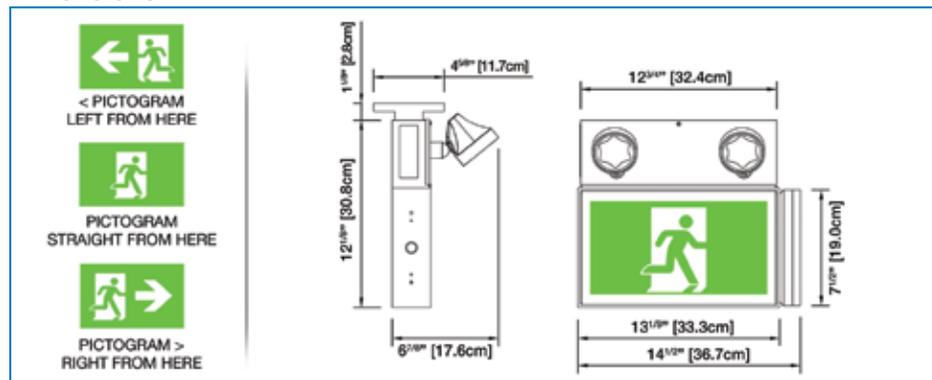
Wire Guards

460.0081-E	Wall mount
460.0060-E	Ceiling mount

Power Consumption

Model	AC Specs		Emergency power available for lamps				
			30 min.	1 hr.	1.5 hrs.	2 hrs.	4 hrs.
Pictogram module	120/347VAC	Less than 1.5W	-	-	-	-	-
EAC-627	120/347VAC	0.15 / 0.05 Amp	27	16	11	9	-
EAC-640			40	23	16	13	-
EAC-672			72	42	30	24	12
EAC-1250	120/347VAC	0.25 / 0.09 Amp	50	29	21	16	8
EAC-1280			80	46	32	27	13

Ordering Information

Series	Faces / Mounting	Housing colour	Power em. lights	Heads	Head style and power	Options
EAC= Pictogram aluminum combination unit	**1**= single face **2**= double face universal mounting	**W**= factory white **B**= black	**627**= 6V-27W **640**= 6V-40W **672**= 6V-72W **1250**= 12V-50W **1280**= 12V-80W	**Blank**= no heads **1**= one head **2**= two heads	**Blank**= no heads **LA**= MR16 LED 6V-4W **LG**= MR16 LED 12V-4W **M**= mini-tungsten, 9W **MQ**= mini-halogen, 8W **MQ12**= mini-halogen, 12W **MI**= MR16 halogen 6V-6W **MJ**= MR16 halogen 6V-10W **MK**= MR16 halogen 12V-12W **MA**= MR16 halogen 12V-20W	**D3**= time delay 15 minutes* **TP**= tamper-proof screws** **U**= auto-diagnostic, audible*** **UN**= auto-diagnostic, non-audible*** **-2**= 120/277VAC input **NEX**= NEXUS® system interface **NEXRF**= wireless NEXUS® system interface * Time delay only with auto-diagnostic ** Bit ordered separately: 990.0119-E *** Not available with 6V-72W

EXAMPLE: EAC1W6272LA

Unlike EXIT signs, the pictogram sign is not available in double arrow configuration.

EMERGI-LITE®   **Thomas&Betts**

ESC Series
Steel Combination Unit

Features

- Universal mounting: end, wall or ceiling
- Meets or exceeds CSA 22.2 No.141-10 standard for unit equipment and pictogram exit signs
- Legend illuminated by long-life white LED's
- Comes standard with two pictogram films, for direction selection
- Comes standard with two high-performance 4-Watts MR16 LED lamps
- 4-Watts LED emergency lights provide 34 feet of egress illumination on a 6-foot wide path
- Sealed, maintenance-free, 6-Volt Lead-Calcium battery
- Remote load capacity: 80 up to 270 feet of egress illumination when using LED remote heads

Typical Specification

Supply and install **Emergi-Lite® ESC Series** combination of unit equipment and pictogram exit sign. The unit shall be made of solid steel sheet metal and be suitable for universal mounting: wall, end, or ceiling. The legend housing shall have a maximum depth of 2-1/8". The legend face plate(s) shall be constructed of robust clear polycarbonate panel(s) with an opaque border coloured factory-white. Each face plate shall come standard with two legend films for pictogram and direction selection. The light source shall be white light-emitting diodes (LED) and shall provide even illumination in normal and emergency operation. The power pack shall include one circuit board with test switch and pilot light for battery charger and legend LED driver. The unit shall include one 6-Volt, maintenance-free, sealed Lead-Calcium battery and shall provide minimum 30 minutes of emergency lighting upon AC power failure. The electrical power available for emergency lights shall be 28 Watts or up to 72 Watts, as specified. The emergency heads shall require no tools to adjust and aim. The heads shall be made of durable thermoplastic construction and include 6-Volt 4-Watt MR16 LED lights or as otherwise specified.

The equipment shall meet or exceed the requirements of CSA 22.2 No.141-10 standard.

The equipment shall be **Emergi-Lite®** Model: _____.

Dimensions
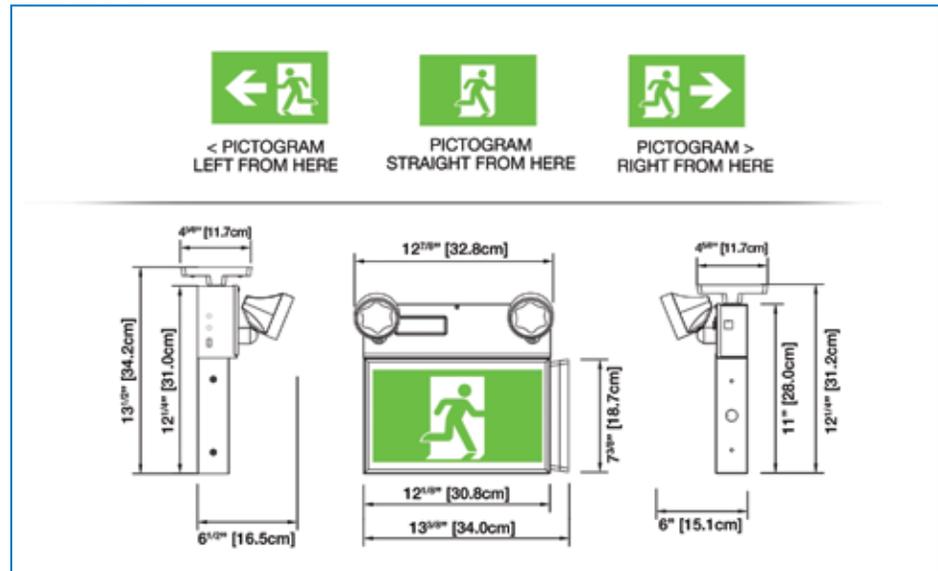
Wire Guards

460.0081-E	Wall mount
460.0060-E	Ceiling mount

Power Consumption

Model	AC Specs		Emergency power available for lamps				
			30 min.	1 hr.	1.5 hrs.	2 hrs.	4 hrs.
Pictogram module	120/347VAC	Less than 1.5W	-	-	-	-	-
ESC28	120/347VAC	0.13 / 0.05 Amp	28	16	12	9	-
ESC44			44	26	18	15	7
ESC72			72	42	30	24	12

Ordering Information

Series	Power em. lights	Housing colour	Heads	Head style and power	Options
ESC= pictogram steel combo exit sign	**28**= 6V-28W **44**= 6V-44W **72**= 6V-72W	**W**= factory white **B**= black	**Blank**= no head **1**= one head **2**= two heads	**Blank**= no head **LA**= MR16 LED 6V-4W **M**= mini-tungsten, 9W **MQ**= mini-halogen, 8W **MQ12**= mini-halogen, 12W **MI**= MR16 halogen 6V-6W **MJ**= MR16 halogen 6V-10W	**DF**= double-face sign **D3**= time delay (15 minutes) **TP**= tamper-proof screws* **-2**= 120/277VAC input **NEX**= NEXUS® system interface** **NEXRF**= wireless NEXUS® system interface** * Bit ordered separately: 990.0119-E ** Max. 44W; consult your sales representative

EXAMPLE: ESC28W2LA

Unlike EXIT signs, the pictogram sign is not available in double arrow configuration.

ENC Series
NEMA-4X Rated Pictogram Combination Unit

Typical Specification

Supply and install **Emergi-Lite® ENC Series** combination of unit equipment and pictogram exit sign. Designed specifically for the industrial environment, the equipment frame shall be of industrial grade polyvinyl chloride 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 knock-outs for installation on an electrical box. The faceplate(s) shall be constructed of heavy-duty vandal-resistant clear polycarbonate and feature a uniformly illuminated pictogram legend. Each face plate shall come standard with two legend films for pictogram and direction selection. The light source shall be long-life white light-emitting diodes (LED). The unit shall have attached a lower compartment containing two emergency heads with adjustable swivels and long-life MR-16 LED lamps of ___ V and ___ W. The heads shall be installed on a shield housing made of rigid thermoplastic and shall be protected by a shock-absorbent, clear polycarbonate cover.

The standard AC input Voltage shall be 120/347VAC. The unit shall be equipped with a magnetic test switch and a LED pilot light protected by the clear face plate. The unit shall perform auto-diagnostic functions managed 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. When a fault is detected, the bi-colour pilot light shall turn from green to red and flash following a particular code. The code description shall be displayed on a label next to the pilot light to identify the failure type: battery, charger circuitry, LED lights for the signage, or emergency lights.

The combination unit shall meet or exceed the standard CSA C22.2 No.141.

The equipment shall be **Emergi-Lite®** Model: _____.

Dimensions
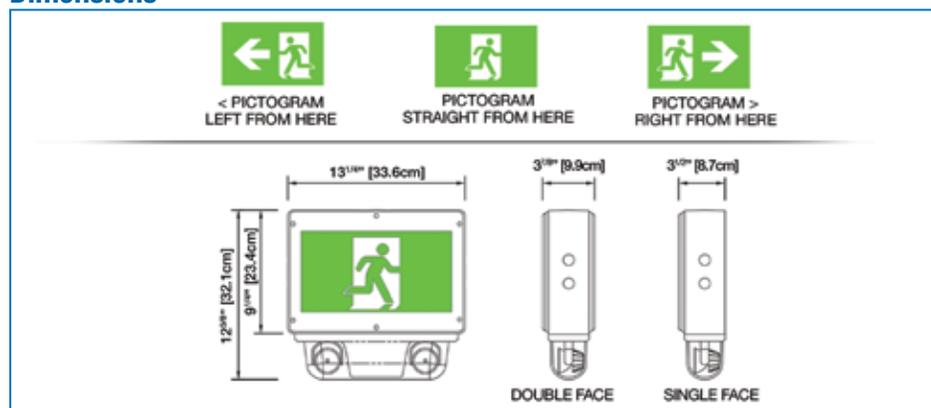
Features

- Certified Nema-4X for wall or ceiling mount
- Certified NSF for use in food processing areas
- Meets or exceeds CSA 22.2 No.141-10 standard for pictogram exit signs
- Polyvinyl chloride frame, with built-in gasket to prevent water infiltration
- Sealed, vandal-resistant faceplate of polycarbonate
- Legend illuminated by long-life white LED's
- Comes standard with two pictogram films per face, for direction selection
- Two high-performance MR16 LED lamps shielded by a clear polycarbonate cover
- 4-Watt LED emergency lights provide 30 - 36 feet of egress illumination on a 6-foot wide path
- Sealed, maintenance-free Lead-Calcium or Nickel-Cadmium batteries
- Remote load capacity: covers with 4-Watt LED lights 100 feet up to 230 feet of egress illumination
- Comes standard with auto-diagnostic
- Cold-weather option: -40°C with only 14W extra power consumption

Power Consumption

Model	AC Specs		Emergency power available for lamps				
			30 min.	1 hr.	1.5 hrs.	2 hrs.	4 hrs.
Pictogram sign module	120/34 VAC	Less than 2.5W	-	-	-	-	-
ENC-6L36	120/347VAC	0.10 / 0.03 Amp	36	21	15	12	-
ENC-6L36-CW		0.25 / 0.08 Amp	36	21	15	12	-
ERNC-6N36		0.10 / 0.03 Amp	36	30	20	16	8
ENC-6N36-CW		0.25 / 0.08 Amp	36	30	20	16	8
ENC-12N60		0.18 / 0.06 Amp	60	40	30	20	10

Ordering Information

Series	Faces / Mounting*	Housing colour	Battery type and power	Head style and power	Options
ENC= NEMA-4X & NSF pictogram exit combo unit	**1**= single face **2**= double face *Universal mounting	**B**= black **W**= factory white	**6L36**= 6V-36W Lead-Calcium **6N36**= 6V-36W Nickel-Cadmium **12N60**= 12V-60W Nickel-Cadmium	**Blank**= no head **LA**= 2 x MR16 LED 6V-4W **LG**= 2 x MR16 LED 12V-4W **MI**= 2 x MR16 halogen 6V-6W **MJ**= 2 x MR16 halogen 6V-10W **MK**= 2 x MR16 halogen 12V-12W	**Blank**= auto-diagnostic, non-audible (standard) **CW**= cold-weather -40°C to +25°C only with 6-Volt single-face units **D3**= time delay, 15 minutes **FA**= fire alarm activated flasher **FL**= flasher (AC power failure) **FB**= flasher/buzzer (AC power failure) **U**= auto-diagnostic, audible **-2**= 120/277VAC input **NEX**= NEXUS® system interface* **NEXRF**= wireless NEXUS® system interface* *Some options are not available with NEXUS®.

EXAMPLE: ENC1B6N36LA

Unlike EXIT signs, the pictogram sign is not available in double arrow configuration.

EMERGI-LITE®

Thomas&Betts

EHC Series
Pictogram Combination Unit for Hazardous Locations

Features

- 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 No.141-10
- Polyvinyl chloride frame, with built-in gasket to prevent water infiltration
- Heavy-duty 1/8-inch thick aluminum back plate with key-holes for wall-mount installation
- Sealed, vandal-resistant faceplate of polycarbonate
- Legend illuminated by long-life white LEDs
- Comes standard with two pictogram films for direction selection
- Two high-performance MR16 LED lamps shielded by a clear polycarbonate cover
- Two 5W LED emergency lights provide up to 60 feet of egress illumination on a 6-foot wide path
- Sealed, maintenance-free Lead-Calcium or Nickel-Cadmium batteries
- Remote load capacity: covers with 5W LED lights up to 360 ft of egress illumination
- Comes standard with Auto-Diagnostic
- Includes an industrial-grade, die-cast Aluminum electrical box
- Cold-weather option: -40°C (104°F) with only 14W extra power consumption
- Nexus® interface option
  Consult your sales representative
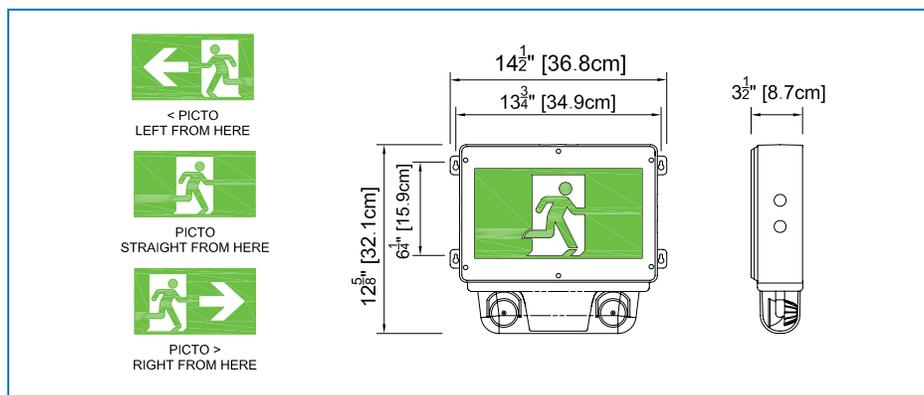
Typical Specification

Supply and install **Emergi-Lite® EHC Series** combination of unit equipment and pictogram sign. Designed specifically for hazardous locations, the equipment frame shall be of industrial grade polyvinyl chloride 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 knock-outs 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 clear polycarbonate and feature a uniformly illuminated pictogram legend. The unit shall come standard with two legend films for pictogram and direction selection. The light source shall be long-life white light-emitting diodes (LED). The unit shall have attached a lower compartment containing two emergency heads with adjustable swivels and long-life MR16 LED lamps of ___ V and ___ W. The heads shall be installed on a shield housing made of cast aluminum and protected by a shock-absorbent, clear polycarbonate cover.

The standard AC input Voltage shall be 120/347VAC. The equipment shall be equipped with a magnetic test switch and one LED pilot light protected by the transparent face plate. The unit shall perform Auto-test functions managed 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. When a fault is detected, the bi-color pilot light shall turn from green to red and flash following a particular code. The code description shall be displayed on a label next to the pilot light to identify the failure type: battery, charger circuitry, LED lights for the signage, or emergency lights.

The combination unit shall be approved CSA C22.2 No.141 and No.137-M1981 for Class I Division 2 Groups A, B, C and D.

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

Dimensions

< PICTO
LEFT FROM HERE

PICTO
STRAIGHT FROM HERE

PICTO >
RIGHT FROM HERE

14½" [36.8cm]
13¾" [34.9cm]
3½" [8.7cm]
12⅝" [32.1cm]
6¼" [15.9cm]

Temperature Codes

Lamp	Temperature code	Maximum
4-5W MR16 LED	T4A	120°C
10W MR16 Halogen	T3C	160°C
12W MR16 Halogen	T3A	180°C
20W MR16 Halogen	T2D	215°C

Power Consumption

Model	AC Specs		Emergency power available for heads				
			30 min.	1 hr.	1.5 hrs.	2 hrs.	4 hrs.
Pictogram sign module	120/347VAC	Less than 2.5W	-	-	-	-	-
EHC-6L36	120/347VAC	0.10/0.03 Amp	36	21	15	12	-
EHC-6L36-CW		0.25/0.08 Amp	36	21	15	12	-
EHC-6N36		0.10/0.03 Amp	36	30	20	16	8
EHC-6N36-CW		0.25/0.08 Amp	36	30	20	16	8
EHC-12N60		0.18/0.06 Amp	60	40	30	20	10

Ordering Information

Series	Housing colour	Battery type and power	Head style and power	Options
EHC	G= gray	6L36= 6V-36W Lead-Calcium 6N36= 6V-36W Nickel-Cadmium 12N60= 12V-60W Nickel-Cadmium	Blank= no head LA= 2 x MR16 LED 6V-4W LG= 2 x MR16 LED 12V-4W LI= 2 x MR16 LED 12V-5W MJ= 2 x MR16 halogen 6V-10W MK= 2 x MR16 halogen 12V-12W MW= 2 x MR16 high-output 12V-20W	Blank= auto-diagnostic, silent (standard) CW= cold weather -40°C (104°F) (only 6V units) D3= time delay (15 minutes) U= auto-diagnostic, audible 2= 120/277VAC input NEX= NEXUS® wired* NEXRF= NEXUS® wireless* * Consult your sales representative.

EXAMPLE: EHCG6L36LA

Unlike EXIT signs, the pictogram sign is not available in double arrow configuration.

Notes

EMERGI-LITE

www.emergi-lite.com

emergency lighting pictogram exit signs

Thomas&Betts