ABB

CHICAGO OFFERING

EMERGI-LITE
Full range of emergency lighting solutions

Setting the standard

Combining LED's high performance, reliability, quality and cost efficiency, the products in this brochure are manufactured to meet, and in some cases surpass, the highest standards of the industry.

Up to code

In response to the decision taken by the City of Chicago's Department of Buildings, Electrical Division, to use UL-Approved products for "City of Chicago Environmental Airspaces" (CCEA), Emergi-Lite® has gained this recognition for selected equipment. In addition to meeting City of Chicago's code requirements, all Emergi-Lite® products meet or exceed the requirements of UL 924, NFPA 101, Life Safety Code, NEC and ICC standards.

Rigid control standards

From product design and manufacturing through to final installation, all units are built to exacting standards to meet style, performance, reliability, ease-of-installation and cost requirements.

A tradition of innovation

ABB has been a pioneer in the development and manufacture of reliable, high quality products and solutions for generations. We look forward to continuing this tradition into the future.

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Table of contents

ABB is proud to present a complete range of
City of Chicago-Approved life safety equipment for commercial
and institutional environments, all using LED light sources.

Product list

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.

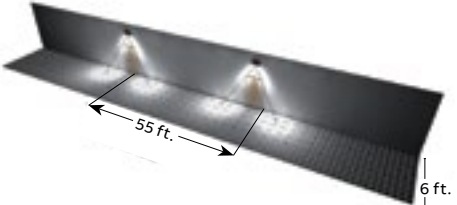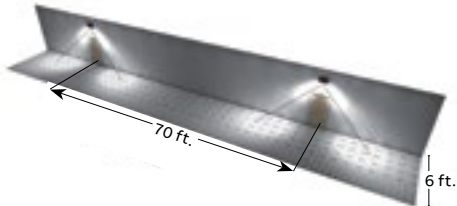| Lamp	Description	Photometry
	200-220 Lumen 4W MR16 LED Leading the technology trend, Emergi-Lite® offers a complete series of 4W MR16 LED lamps available for all the standard battery voltages: 6V, 12V, 24V and 120V. With up to 30,000 hours of operational life and a luminous flux of typically 200 to 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

Highly efficient LEDs provide many cost-saving benefits

Case study: Fewer MR16 LED units required
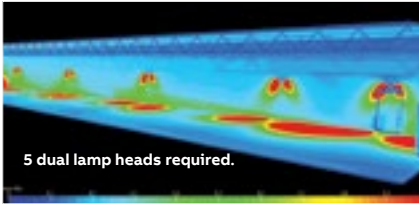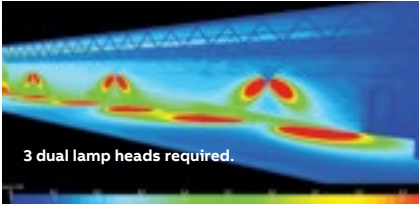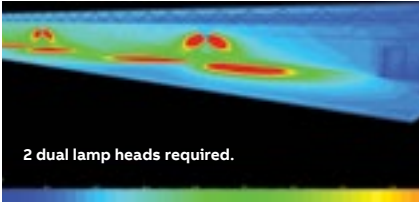
Emergency lighting units with MR16 LED lamps provide the same illumination at floor level using significantly less units.

- Reduced installation costs, less product needed and labor.
- Reduced energy costs, keeping batteries charged at full capacity to be ready to respond to an emergency situation at any time.

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

Compare

Where the building code requires an average of 1 foot-candle and a minimum of 0.1 foot-candle at floor level along the path of egress on a 150' x 9' x 9' corridor with an egress door at one end, a 150' x 6' path of egress, and a 7.5' unit mounting height.

Series	Thermal imagery – 150 foot hallway	MR16 LED lamps

CCRS Battery Series 4W LED

5 dual lamp heads required.

4W MR16 LED lamps
Same standard emergency lighting units with 4W MR16 LED lamps requires a total of 5 double-head units or remotes

Lamp suffix	Voltage	Wattage	Lumens
LA	6	4	199
LG	12	4	220
LV	120	4	230

CCRS Battery Series 5W LED

3 dual lamp heads required.

5W MR16 LED lamps
Same standard emergency lighting units with 5W MR16 LED lamps requires a total of 3 double-head units or remotes

Lamp suffix	Voltage	Wattage	Lumens
LI	12	5	340

CCRS Battery Series 6W LED

2 dual lamp heads required.

6W MR16 LED lamps
Same standard emergency lighting units with 6W MR16 LED lamps requires a total of 2 double-head units or remotes

Lamp suffix	Voltage	Wattage	Lumens
L8	12	6	540

City of Chicago Approved Chicago Prestige™ Edge-Lit Series
Premium white LED exit signs

Construction
- Housing: Die-cast aluminum back box, trim ring, trim plate and canopy. Standard finish is brushed aluminum with other finishes available as an option
- Faceplate: Virgin acrylic face plate is thin, silk-screened to provide a flawless legend. Face plates are available with red letters on a white background
- White LED light source, 10-year life expectancy

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
- 120-277 60HZ

Approvals
- UL 924 listed
- City of Chicago Approved

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.
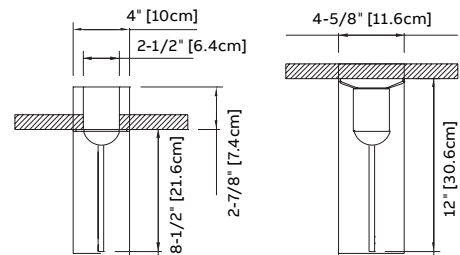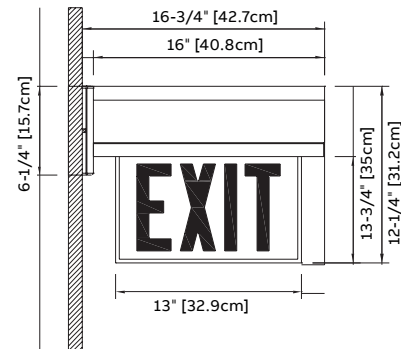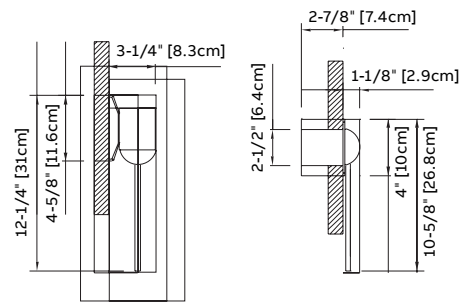
Add 1-1/2" to height of unit when ordering panel with arrow

Modular design accommodates surface or recessed mount with included canopy and trim ring.

Arrow (chevron) designation

EXIT →	EXIT ←	EXIT ↔	EXIT →	EXIT ←
Arrow right	Arrow left	Double arrow	Arrow right & left represents each side of a double face panel	

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

Recessed models   **Surface models**

Canopy

Housing

Trim ring

Trim plate

Exit plate

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Power consumption
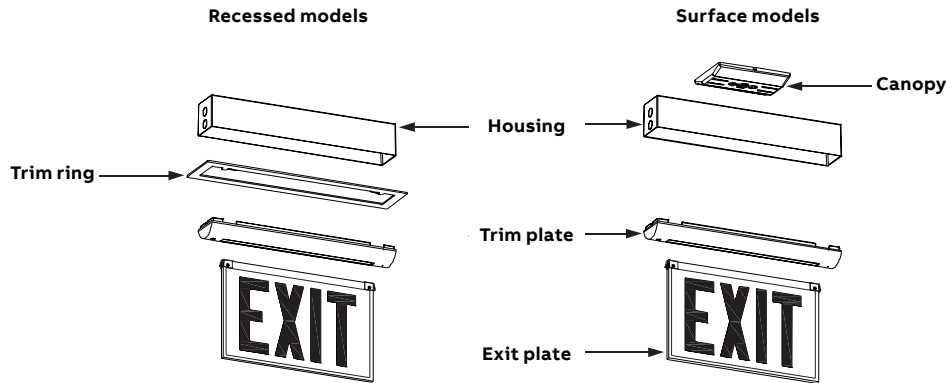
Model		AC specs		DC specs
AC-only	120 to 277VAC	Less than 2.5W	–	–
AC/DC-remote	120 to 277VAC	Less than 2.5W	6 to 24VDC	Less than 2.5W
Self-powered	120 to 277VAC	Less than 3.5W	Ni-Cd battery	2 hours
Self-powered diagnostic	120 to 277VAC	Less than 3.5W	Ni-Cd battery	2 hours

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Backbox (order as a separate item)

Description	Suffix
Backbox kit white	BBKTS-WT-E
Backbox kit black	BBKTS-BK-E
Backbox kit brushed aluminum	BBKTS-BA-E
Backbox kit chrome	BBKTS-CH-E
Backbox kit dark bronze	BBKTS-BR-E
Backbox kit polished brass	BBKTS-PB-E

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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	Custom specification	Model	Legend and panel	Trim plate	Options
Blank= Brushed aluminum **W**= White **B**= Black **BR**= Dark bronze (painted) **PB**= Polished brass **CH**= Polished Chrome	**CC**= City of Chicago	**PLX**= AC only **PLXDC**= AC/DC-remote 6-24V **PLX2CKT**= AC-dual circuit **PLXN**= Self-powered **PLXND**= Self-powered diagnostic	**#2A**= Single face, STAIRS, no arrow **#17A**= Double face, STAIRS, no arrow **#5A**= Single face, STAIRS, arrow right **#8A**= Single face, STAIRS, arrow left **#11A**= Single face, STAIRS, double arrow **#23A**= Double face, STAIRS, double arrow **#20A**= Double face, (1) STAIRS, (2) STAIRS, single arrow **#3**= Single face, EXIT, no arrow **#18**= Double face, EXIT, no arrow **#6**= Single face, EXIT, arrow right **#9**= Single face, EXIT, arrow left **#12**= Single face, EXIT, double arrow **#24**= Double face, EXIT, double arrow **#21**= Double face, (1) EXIT, (2) EXIT, single arrow **LP**= Panel shipped separately	**A**= Angular **C**= Circular	**-DL**= Damp locations **-X**= Less backbox[1]

Example: WCCPLX#2AA

[1]Order backbox as a separate item

City of Chicago Approved Chicago Prestige™ Series
Edge-lit recessed, ceiling-mount only, LED exit sign

In high visibility areas, the Chicago Prestige™ exit sign provides elegant designer details including a clear acrylic panel, recessed ceiling mount design, and brushed aluminum trim plate.

Construction
- Clear acrylic panel provides optimum light transmission. Illumination is 100% in both AC and emergency mode
- Housing: Fully-recessed, 20-gauge galvanized steel back-box; equipped with hanger bars for installation between joists or a suspended ceiling
- Rugged cast brushed aluminum trim plate (optional colors available)
- White LED light source, 10-year life expectancy

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
- 120-277 60HZ

Approvals
- UL 924 listed
- City of Chicago Approved

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.

15" [38.1cm]
3-7/8" [9.9cm]
3-1/4" [8.3cm]
7-1/2" [19.2cm]
7-3/8" [18.8cm]
3-7/8" [9.9cm]
13" [32.9cm]

Arrow (chevron) designation

EXIT → — Arrow right
EXIT ← — Arrow left
← EXIT → — Double arrow
EXIT / EXIT — Arrow right & left represents each side of a double face panel

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

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Power consumption

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

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Backbox (order as a separate item)

Description	Suffix
Backbox kit flat trim Chicago	BBKTRCC-E

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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 color	Custom specification	Model	Legend and panel	Trim plate	Options
Blank= Brushed aluminum **W**= White **B**= Black **BR**= Dark bronze (painted) **PB**= Polished brass **CH**= Polished Chrome	**CC**= City of Chicago	**PLX**= AC only **PLXDC**= AC/DC-remote 6-24V **PLX2CKT**= AC-dual circuit **PLXN**= Self-powered **PLXND**= Self-powered diagnostic	**#2A**= Single face, STAIRS, no arrow **#17A**= Double face, STAIRS, no arrow **#5A**= Single face, STAIRS, arrow right **#8A**= Single face, STAIRS, arrow left **#11A**= Single face, STAIRS, double arrow **#23A**= Double face, STAIRS, double arrow **#20A**= Double face, (1) STAIRS, (2) STAIRS, single arrow **#3**= Single face, EXIT, no arrow **#18**= Double face, EXIT, no arrow **#6**= Single face, EXIT, arrow right **#9**= Single face, EXIT, arrow left **#12**= Single face, EXIT, double arrow **#24**= Double face, EXIT, double arrow **#21**= Double face, (1) EXIT, (2) EXIT, single arrow **LP**= Panel shipped separately	**F**= Flat (fully recessed)	**-DL**= Damp locations **-X**= Less backbox[1]
Example: BCCPLX#2AF					

[1]Order backbox as a separate item

City of Chicago Approved Chicago CCE-LED Series
Steel LED exit sign

Modular design accommodates surface or recessed mount with included canopy and trim ring.

Construction
- Constructed of 20-gauge steel with an off-white finish and glass panels
- Single or double face
- White LED light source

Mounting
- Canopy supplied for top or end-mount
- Universal knockout pattern on back plate for wall mount

Electronics
- 120-277 60HZ
- 4.8V long-life, maintenance-free nickel-cadmium rechargeable on self-powered model
- 120 minutes run time in emergency mode

Approvals
- UL listed for damp location 68°F to 122°F (20°C to 50°C)
- Meets UL 924, NFPA 101 Life safety code, NEC, OSHA, local and state codes
- City of Chicago Approved

Warranty
- 3-year full warranty
  Detailed warranty terms located online at:
  www.emergi-lite.com/usa/files/EL_Warranty.pdf

Dimensions
Dimensions are approximate and subject to change.

6-7/8" 4-1/2" 11-1/4" 10-3/8" 12-3/8" 2-3/8" 10-3/8" 11-1/4" 13-7/8"

Arrow (chevron) designation
Wording and chevrons not to scale. For illustration purposes only.

EXIT Arrow right   EXIT Arrow left   EXIT Double arrow

EXIT   EXIT   Arrow right & left represents each side of a double face panel

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Power consumption

Model		AC specs			DC specs
CCER	120/277VAC, 60HZ	5W	0.1A/ 0.05A	–	–
CCENR	120/277VAC, 60HZ	5W	0.1A/ 0.05A	Ni-Cd	Minimum 120 minutes

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How to order

Series	Legend color	Legend style
CCE= AC only **CCEN**= Self-powered	**R**= Red	**#2A**= Single face, STAIRS, no arrow **#17A**= Double face, STAIRS, no arrow **#3**= Single face, EXIT, no arrow **#18**= Double face, EXIT, no arrow **#5A**= Single face, STAIRS ⟶ arrow right **#6**= Single face, EXIT ⟶ arrow right **#8A**= Single face, STAIRS ⟵ arrow left **#9**= Single face, ⟵ EXIT arrow left **#11A**= Single face, STAIRS ⟷ double arrow **#23A**= Double face, STAIRS ⟷ double arrow **#12**= Single face, EXIT ⟷ double arrow **#24**= Double face, EXIT ⟷ double arrow **#20A**= Double face, STAIRS ⟶, ⟵ STAIRS arrow right/left **#21**= Double face, EXIT ⟶, ⟵ EXIT arrow right/left

Example: CCENR#2A

City of Chicago Approved Chicago CCC-2LED Series
Steel LED combination sign

Self-contained unit combines a steel exit sign with two adjustable LED heads.
Optional 10W remote capacity.

Construction
- Each unit comes with two adjustable 6V-5W LED heads
- Each unit provides 280 lumens
- Constructed of 20-gauge steel with an off-white finish and glass panels
- Optional 10W remote capacity available on the CCC-2LED-RC model
- Single or double face
- White LED light source

Mounting
- Canopy supplied for top or end-mount
- Universal knockout pattern on back plate for wall mount

Electronics
- 6V sealed lead-calcium, maintenance-free rechargeable battery
- 120-277 60HZ
- 120 minute run time in emergency mode

Approvals
- UL listed for damp location 68°F to 122°F (20°C to 50°C)
- Meets UL 924, NFPA 101 Life safety code, NEC, OSHA, local and state codes
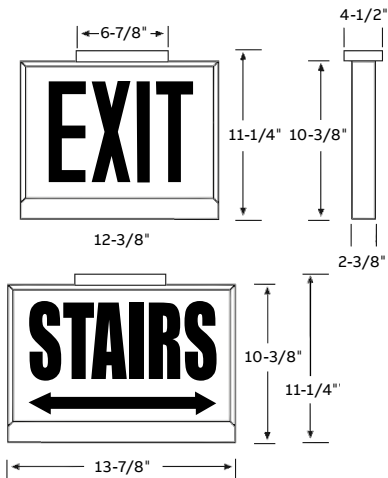- City of Chicago Approved

Warranty
- 3-year full warranty
  Detailed warranty terms located online at:
  www.emergi-lite.com/usa/files/EL_Warranty.pdf

Dimensions
Dimensions are approximate and subject to change.

Arrow (chevron) designation
Wording and chevrons not to scale. For illustration purposes only.

EXIT Arrow right   EXIT Arrow left   EXIT Double arrow

Arrow right & left represents each side of a double face panel

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Power consumption

Model	AC specs		DC specs	
CCC-2LED	120VAC, 60HZ, 0.12A	12W		
CCC-2LED	277VAC, 60HZ, 0.06A	13W	Lead-calcium	Minimum 120 minutes
CCC-2LED-RC	120VAC, 60HZ, 0.12A	12W		
CCC-2LED-RC	277VAC, 60HZ, 0.06A	13W		

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How to order

Series	Heads	Legend color	Legend style	Options
CCC	-2LED= 2 steel round LED	R= Red	#2A= Single face, STAIRS, no arrow	Blank= No option
			#17A= Double face, STAIRS, no arrow	RC= 6V-10W remote capacity[1]
			#3= Single face, EXIT, no arrow	
			#18= Double face, EXIT, no arrow	
			#5A= Single face, STAIRS ⟶, arrow right	
			#6= Single face, EXIT ⟶, arrow right	
			#8A= Single face, ⟵ STAIRS, arrow left	
			#9= Single face, ⟵ EXIT, arrow left	
			#11A= Single face, STAIRS ⟷, double arrow	
			#23A= Double face, STAIRS ⟷, double arrow	
			#12= Single face, EXIT ⟷, double arrow	
			#24= Double face, EXIT ⟷, double arrow	
			#20A= Double face, STAIRS ⟶, ⟵ STAIRS, arrow right/left	
			#21= Double face, EXIT ⟶, ⟵ EXIT, arrow right/left	

Example: CCC-2LEDR#2A

[1]Compatible only with EF12D-LED remote

City of Chicago Approved Chicago CCB-2LED Series
Steel LED battery unit

Self-contained unit combines a steel exit sign with two adjustable LED heads.
Optional 10W remote capacity.

Construction
- Constructed of 20-gauge steel with an off-white finish
- Optional 10W remote capacity available on the CCB-2LEDRC model
- Each unit comes with two adjustable 6V 5W LED heads
- Each unit provides 280 lumens

Mounting
- Knockouts on the back of unit for wall mount
- Side and top knockouts for conduit

Electronics
- 6V sealed lead-calcium, maintenance-free, rechargeable battery
- 120-277 60HZ
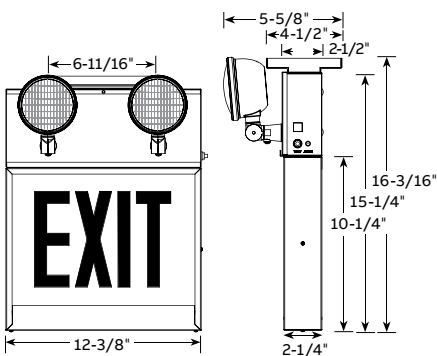- 120 minute run time in emergency mode

Approvals
- UL listed for damp location 68°F to 122°F (20°C to 50°C)
- Meets UL 924, NFPA 101 Life safety code, NEC, OSHA, local and state codes
- City of Chicago Approved

Warranty
- 3-year full warranty
  Detailed warranty terms located online at:
  www.emergi-lite.com/usa/files/EL_Warranty.pdf

Dimensions
Dimensions are approximate and subject to change.

15-11/16"
12-3/8"
5"
2-1/2"

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Power consumption
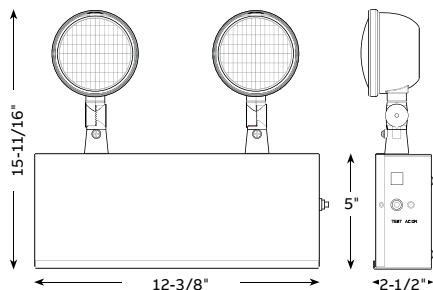
Model	AC specs		DC specs	
CCB-2LED	120VAC, 60HZ, 0.08A	8.4W		
CCB-2LED	277VAC, 60HZ, 0.04A	9.4W		
CCB-2LED-RC	120VAC, 60HZ, 0.09A	8.7W	Lead-calcium	Minimum 120 minutes
CCB-2LED-RC	277VAC, 60HZ, 0.05A	10W		

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How to order

Series	Lamp	Options
CCB	**-2LED**= 2 steel round LED	**Blank**= No option
		RC= Remote capacity[1]

Example: CCB-2LED

[1]Compatible only with EF12D-LED remote

City of Chicago Approved CCRS Series

6 and 12 Volt decorator recessed emergency lighting

Self-contained unit combines a steel exit sign with two adjustable LED heads.
Optional 10W remote capacity.

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

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

Electronics
- Pulse plus charger
- Low voltage disconnect
- Automatic brownout protection
- Battery lock-out
- Fused output circuit
- Optional Advanced Diagnostics
- 120/277 60Hz
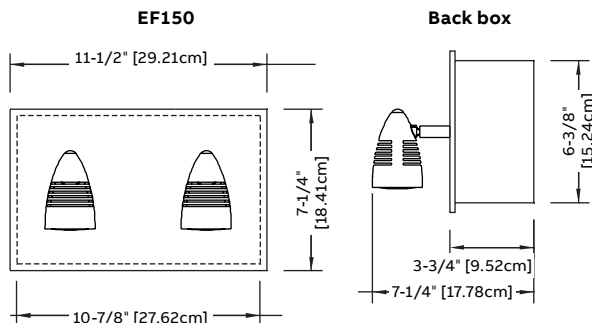
Choice of sealed maintenance-free battery
- 6V or 12V lead-calcium battery
- 6V or 12V nickel-cadmium battery

Approvals
- UL 924 listed
- Meets City of Chicago requirement

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.

EF150

11-1/2" [29.21cm]

7-1/4" [18.41cm]

10-7/8" [27.62cm]

Back box

6-3/8" [15.24cm]

3-3/4" [9.52cm]

7-1/4" [17.78cm]

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Unit rating - equipment with remote capability

Sealed maintenance-free battery types	DC voltage	Model number		Battery capacity in watts			
		EF-150 deco	EF-28 lamp heads	1 1/2 hrs	2 hrs	3 hrs	4 hrs
Nickel-cadmium	6	CCRSC25-2150	CCRSC25-2	25	18	12	9
	12	CC12RSC36-2150	CC12RSC36-2	36	21	15	12
Lead-calcium	6	CCRSM27-2150	CCRSM27-2	27	18	14	10
	6	CCRSM36-2150	CCRSM36-2	36	25	20	14
	12	CC12RSM36-2150	CC12RSM36-2	36	25	20	14

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Accessories (order as a separate item)

Description	Suffix
Wire guard (units with EF-9, EF-10 or EF-18, EF-150 heads)	WG6-E
Remote test switch (metal face plate)	RTS
Remote test switch (plastic face plate)	RTS-1

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How to order

Color	Series/battery type	# of heads	Head style	Lamp type/wattage	Options
CC= City of Chicago Approved	**RSC25**= 6V-25W Ni-Cd **RSM27**= 6V-27W lead-calcium **RSM36**= 6V-36W lead-calcium **12RSC36**= 12V-36W Ni-Cd **12RSM36**= 12V-36W lead-calcium	**-0**= No head **-1**= One head **-2**= Two heads	**150**= EF150 deco heads MR16	**LA**= 6V-4W, MR16 LED **LB**= 6V-5W, MR16 LED **LG**= 12V-4W, MR16 LED **LI**= 12V-5W, MR16 LED **LJ**= 12V-6W, MR16 LED	**Blank**= No options **-AD**= Advanced Diagnostics (audible)

Example: CCRSM36-2

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City of Chicago Approved CCJS Series
Steel housing 6V & 12V up to 54W capacities

Multiple options accommodate a range of requirements.
Choose 0-3 heads, halogen or LED lamps.

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

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

Approvals
- UL 924 standard
- Meets City of Chicago requirement

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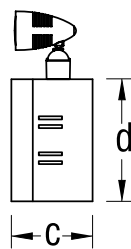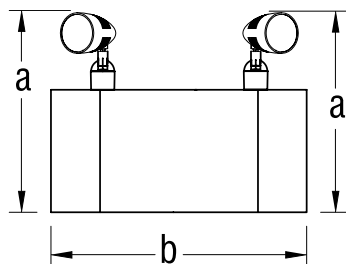- Unit has a three-year limited warranty
  Detailed warranty terms located online at:
  www.emergi-lite.com/usa/files/EL_Warranty.pdf

Dimensions
Dimensions are approximate and subject to change.

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Cabinet information

Cabinet size	Dimensions			
	a	b	c	d
S	9-3/4"	11"	3-1/2"	5-1/4"
L	10-3/4"	12-3/4"	4"	6-1/4"

—
Unit rating - with remote capability

Sealed maintenance-free battery types	DC voltage	Model number	Battery capacity in watts				Cabinet size
			1 1/2 hrs	2 hrs	3 hrs	4 hrs	
Lead-calcium	6	JSM36-2	36	25	20	14	S
	6	JSM54-2	54	37	28	21	L
	12	12JSM36-2	36	25	20	14	S
	12	12JSM54-2	54	37	28	21	L

—
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-E

*S cabinet only, order on separate line.

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How to order

Unit	Color	Series/capacity	# of lamps	Head style	Lamp type/wattage	Options
CC= City of Chicago	**Blank**= Off white **B**= Black	**JSM36**= 6V-36W, lead-calcium **JSM54**= 6V-54W, lead-calcium **12JSM36**= 12V-36W, lead-calcium **12JSM54**= 12V-54W, lead-calcium	**-1**= One head **-2**= Two heads	**150**= EF150 lamp heads	**LA**= 6V-4W, MR16 LED **LB**= 6V-5W, 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) **-NEX**= NEXUS® wired **-NEXRF**= NEXUS® wireless **-D3**= Time delay (15 minutes) **-FM**= Front mounted heads

Example: CC12JSM36-2150LI

City of Chicago Approved CCTS Series
6, 12 and 24 Volt T-bar units

Designed for unobtrusive use in T-bar ceilings. The off-white, fully recessed housing harmonizes with ceiling designs.

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

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

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

- **Choice of sealed maintenance-free battery**
- 6V, 12 or 24V lead-calcium battery
- 6V, 12 or 24V nickel-cadmium battery

Approvals
- UL 924 listed
- Meets City of Chicago requirement
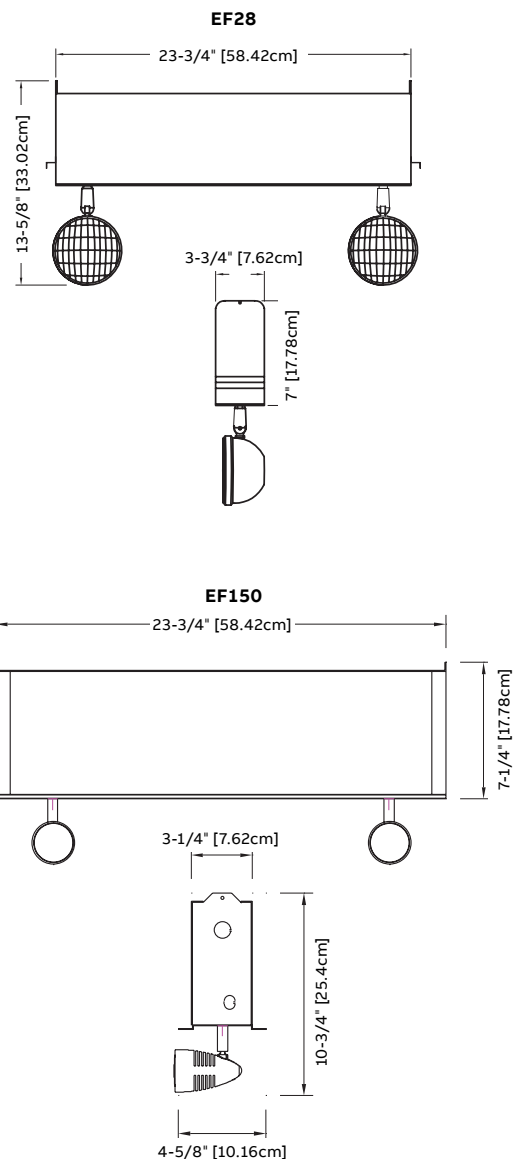
Warranty
- Unit has a five-year limited warranty
  Detailed warranty terms located online at:
  www.emergi-lite.com/usa/files/EL_Warranty.pdf

Dimensions
Dimensions are approximate and subject to change.

EF28

23-3/4" [58.42cm]
13-5/8" [33.02cm]
3-3/4" [7.62cm]
7" [17.78cm]

EF150

23-3/4" [58.42cm]
7-1/4" [17.78cm]
3-1/4" [7.62cm]
10-3/4" [25.4cm]
4-5/8" [10.16cm]

—
Unit rating

Sealed maintenance-free battery types	DC voltage	Model number	Battery capacity in watts			
			1 1/2 hrs	2 hrs	3 hrs	4 hrs
Nickel-cadmium	6	CCTSC25-2	25	18	12	9
	12	CC12TSC36-2	36	21	15	12
	12	CC12TSC50-2	50	36	25	18
Lead-calcium	6	CCTSM27-2	27	18	14	10
	6	CCTSM36-2	36	25	20	14
	6	CCTSM54-2	54	37	28	21
	6	CCTSM110-2	110	72	56	40
	12	CC12TSM36-2	36	25	20	14
	12	CC12TSM54-2	54	37	28	21
	12	CC12TSM110-2	110	72	56	40

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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

—
How to order

Series	Series/battery type/capacity	Number of heads	Head style	Lamp type/wattage	Options
CC= City of Chicago Approved	**TSC25**= 6V-25W Ni-Cd **TSM27**= 6V-27W lead-calcium **TSM36**= 6V-36W lead-calcium **TSM54**= 6V-54W lead-calcium **TSM110**= 6V-110W lead-calcium **12TSM36**= 12V-36W lead-calcium **12TSM54**= 12V-54W lead-calcium **12TSM110**= 12V-110W lead-calcium **12TSC36**= 12V-36W Ni-Cd **12TSC50**= 12V-50W Ni-Cd	**-0**= No head **-1**= One head **-2**= Two heads **-3**= Three heads	**Blank**= EF28 heads **150**= EF150 deco heads MR16	**LA**= 6V-4W, MR16 LED **LB**= 6V-5W, MR16 LED **LG**= 12V-4W, MR16 LED **LI**= 12V-5W, MR16 LED **LJ**= 12V-6W, MR16 LED	**-AD**= Advanced Diagnostics (audible)

Example: CCTSM36-2

City of Chicago Approved EF12D-LED Series

Thermoplastic outdoor remote emergency lighting

Versatile multi-volt unit (3.6, 6 or 12V), 3W total includes fully adjustable LED heads.

Features
- Multi-volt 3.6, 6 or 12V, 3W in total
- Thermoplastic housing and aluminum canopy with fully adjustable LED heads
- Available only in gray 2-heads configuration
- Suitable for outdoor, wet location applications
- Wall or ceiling mount
- -4°F to 122°F (-20°C to 50°C)
- UL 924 Listed
- Meets City of Chicago requirement

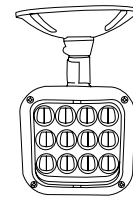**Warranty** (subject to proper installation and maintenance)
- Unit has a three-year warranty
  Detailed warranty terms located online at:
  www.emergi-lite.com/usa/files/EL_Warranty.pdf
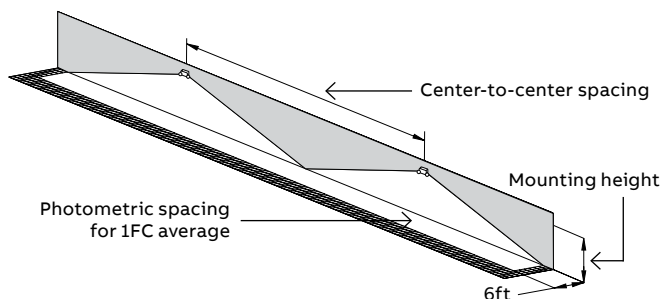
Dimensions
Dimensions are approximate and subject to change.

6-3/4"

10-3/8"
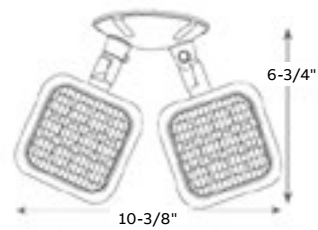
EF12-LED Series

Photometric performance

	Spacing center-to-center (feet)	
Lamp	7' mounting height	15' mounting height
EF12	13'	4'

Center-to-center spacing

Mounting height

Photometric spacing for 1FC average

6ft

How to order

Series	# of lamp	Options
EF12	**Blank**= Single head **D**= Double head	**-LED**= Thermoplastic square LED head

Example: EF12D-LED

City of Chicago Approved Distinction™ EF150, EF150D & EF150T Series
Surface mounted designer light fixtures

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

Description
- Indoor use
- 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
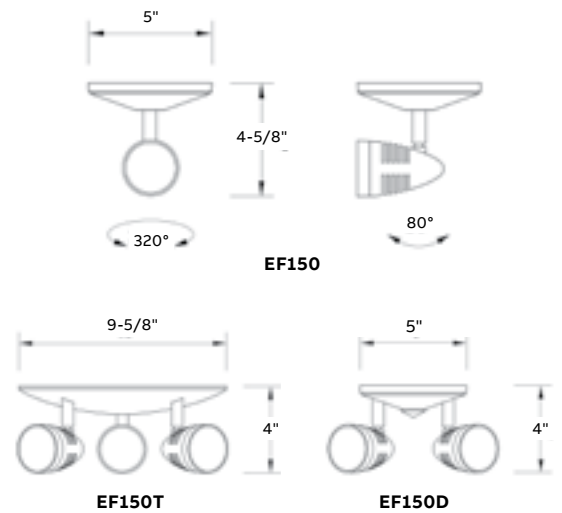- Meets City of Chicago requirement

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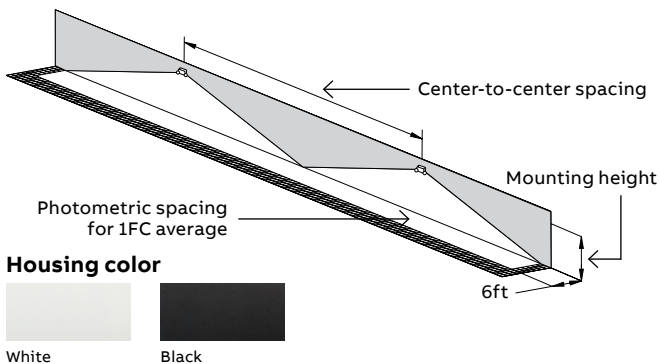 **www.emergi-lite.com/usa/files/EL_Warranty.pdf**

Dimensions
Dimensions are approximate and subject to change.

5"
4-5/8"
320°
80°
EF150

9-5/8"
4"
EF150T

5"
4"
EF150D

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'
LV	53'	42'

Center-to-center spacing

Mounting height

Photometric spacing for 1FC average

6ft

Housing color

White   Black

—
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	**-WT**= White **-BK**= Black	**(LA)**= 6V-4W, MR16 LED **(LB)**= 6V-5W, 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)

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Notes

ABB

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Emergi-Lite
Please consult our website for
more information:

emergi-lite.com