—

Lux-Ray™ LED Series

Die-cast aluminum LED emergency lighting – interior or exterior

NEMA-3R   (UL)   Patent-Pending

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

Mounting
• Wall mount
• 1/2" rigid conduit top entry
• Universal J-box mounting pattern

Lamp type
• Patent-pending light engine: four power LEDs with redundant connections
• 400-640 Lumens
• Color temperature: 4000K
• Optional forward-throw light distribution, for applications of outdoor egress
• Optional high-lumen output
• Optional dual-mode operation: normal and emergency LED lighting with separate AC inputs

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

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

Warranty
• Unit has a five-year limited warranty
  Detailed warranty terms located on page 202 or online at:
  www.emergi-lite.com/usa/files/EL_Warranty.pdf

—

Power consumption

| Model | Normal lighting | | Emergency lighting | | 6-12VDC remote |
	Current (max)	Power (max)	Current (max)	Power (max)	Power (max)
ACSD, SD, SD-H	0.12/0.06A	12W	0.05/0.02A	12W	–
SD-CW	–	–	0.15/0.07A	16W	–
ACSD-CWP, -CWRC[1]	–	–	0.22/0.10A	24W	–

AC Specs: 120/277VAC

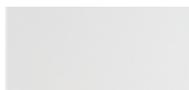[1]Note: ACSD cold weather models must be powered only from the unswitched emergency AC line

Colors

Black

Dark bronze (painted)

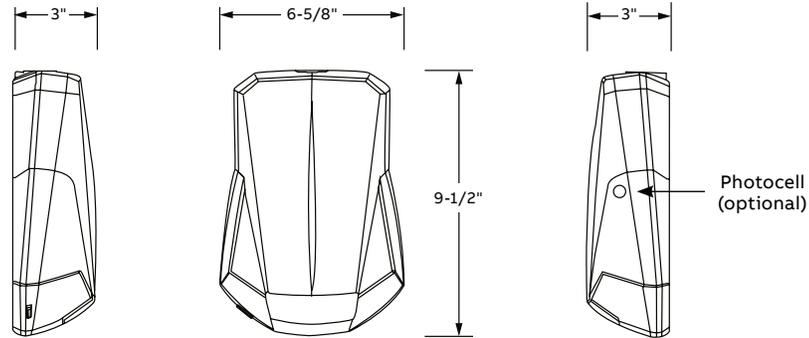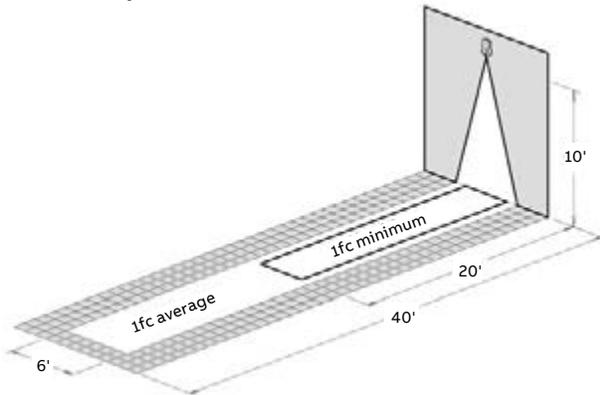

Off-white

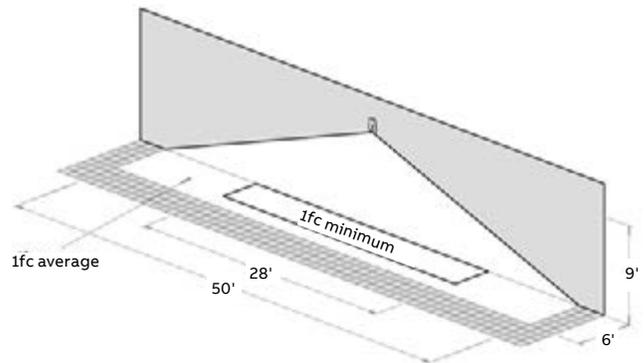Platinum gray

Dimensions
Dimensions are approximate and subject to change.

Photometric performance – Forward throw

Photometric performance – Wide beam

—
Table A – Spacing for minimum illumination = 1FC (1 foot-candle)

Model type	Mounting height	Lumen	Color temperature	Width X length (ft) Single unit	Width X length (ft) Center-to-center
Standard	9'	400	4000K	4' x 28'	4' x 32'
With option -H	11'	550		4' x 32'	4' x 40'
With option -FT	12'	460		4' x 22'	–
With option -FTH	15'	640		4' x 27'	–

—
Table B – Spacing for NFPA101 – Average = 1FC (1 foot-candle)

Model type	Mounting height	Lumen	Color temperature	Width X length (ft) Single unit	Width X length (ft) Center-to-center
Standard	9'	400	4000K	6' x 50'	4' x 32'
With option -H	11'	550		6' x 60'	4' x 40'
					3' x 70'
With option -FT	12'	460		6' x 40'	–
With option -FTH	15'	640		6' x 50'	–

—
How to order

Color	Series	Model	Options
B= Black **BZ**= Dark bronze **OW**= Off-white **PG**= Platinum gray	**LUX**= Lux-Ray LED	**SD**= Self-powered & diagnostic [-4-122°F (-20-50°C)] **ACSD**= Dual-mode AC / self-powered & diagnostic -4-104°F (-20-40°C)	**-CW**= Cold weather [-40-86°F (-40-30°C) not available with option -H] **-D3**= Time delay (15 minutes) **-FT**= Forward throw lighting **-H**= High lumen output (max. 86°F/30°C; model SD only) **-P**= Photocell (ACSD only) **-RC**= Remote control test switch - infrared[1]

Example: BZLUXACSD-RC

[1]For ACSD model only, remote control keypad (TB-RC1-E) ordered separately