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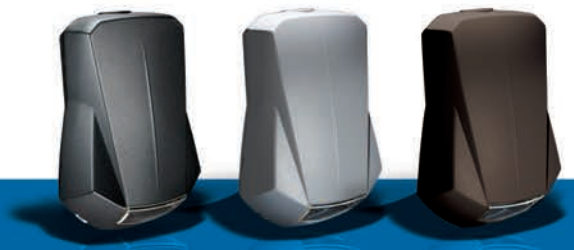
The New Lux-Ray™ LED Emergency Lighting



RUGGED . VERSATILE . SOPHISTICATED

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MINIATURIZATION

The New **Lux-Ray™ LED** Emergency Lighting

For first-class performance in emergency lighting, the **Lux-Ray™ LED** illuminates a 40-70' path of egress with a wide beam, and consumes less than 5W in stand-by mode. Optional dual-mode illumination provides lighting during power outages and in normal conditions.

LED technology miniaturizes emergency lighting to be more environmentally friendly by providing more illumination with a smaller unit. The high-performance **Lux-Ray™ LED** reduces energy consumption, requires fewer units to install, and uses a compact, Lead-free & Cadmium-free battery.

Photometry Performance

Whether installed indoors or outdoors, with spacing measurements for a single unit or between two units center-to-center, the **Lux-Ray™ LED** Series delivers a stable and consistent illumination making it easy to specify in a wide range of applications. The outstanding spacing of illumination ranges from 50 to 70 feet for standard units (wide beam) and from 40 to 50 feet with the forward-throw beam option.

Average of 1 foot-candle

Table A: Spacing for NFPA101 (average = 1fc, see Note)			
Model Type	Mouting Height	Width X Lenght (Ft)	
		SINGLE UNIT	CENTER-TO-CENTER
Standard	9'	6' X 50'	6' X 50'
With option -H	11'	6' X 60'	6' X 60'
			3' X 70'
With option -FT	12'	6' X 40'	—
With option -FTH	15'	6' X 50'	—

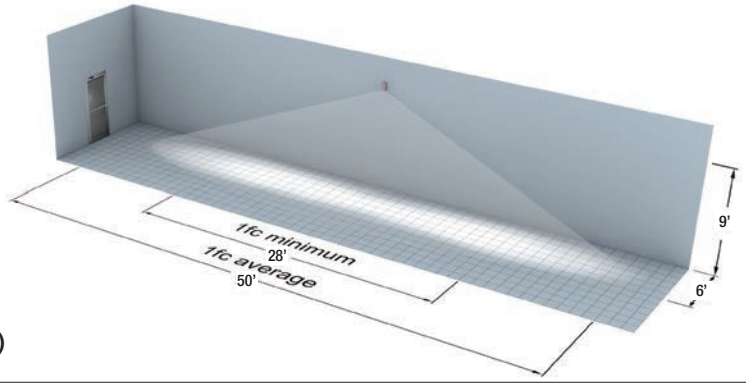
Indoor reflectance: 80/50/20 and 10-ft wide corridor.
Outdoor reflectance: 0/30/10

Note: The illumination level meets ALL the requirements of the Life Safety Code (NFPA 101):
1) Average of 1 foot-candle or more
2) Minimum at any point of 0.1 foot-candle or more
3) Maximum-to-minimum illumination uniformity ratio of 40:1 or less

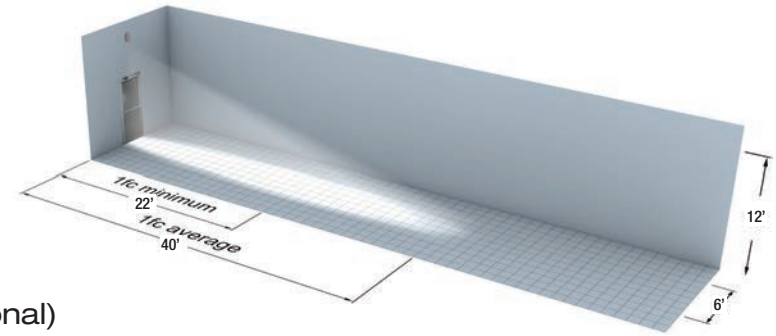
Minimum of 1 foot-candle

Table B: Spacing for minimum illumination = 1fc			
model type	mouting height	Width x lenght (ft)	
		single unit	center-to-center
Standard	9'	4' x 28'	4' x 32'
With option -H	11'	4' x 32'	4' x 40'
With option -FT	12'	4' x 22'	—
With option -FTH	15'	4' x 27'	—

Max./min. uniformity ratio less than 3:1



Wide Beam (Standard)



Forward Throw (Optional)

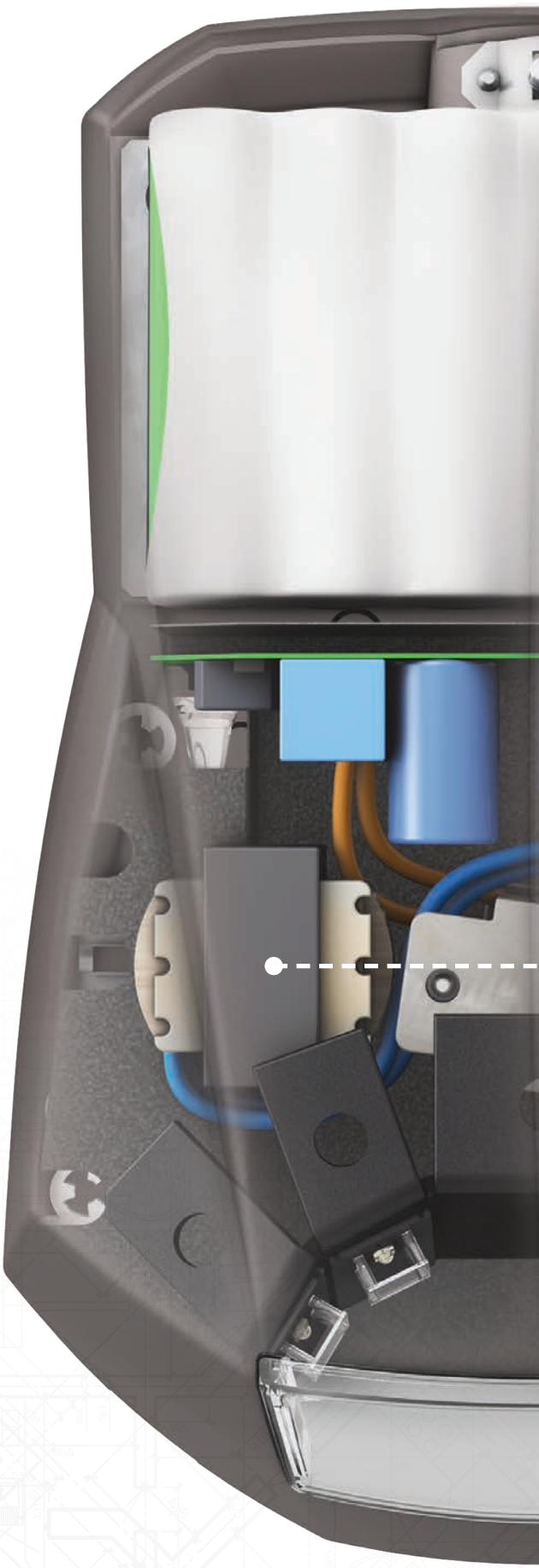
THROUGH

Remote Control

Patent-Pending

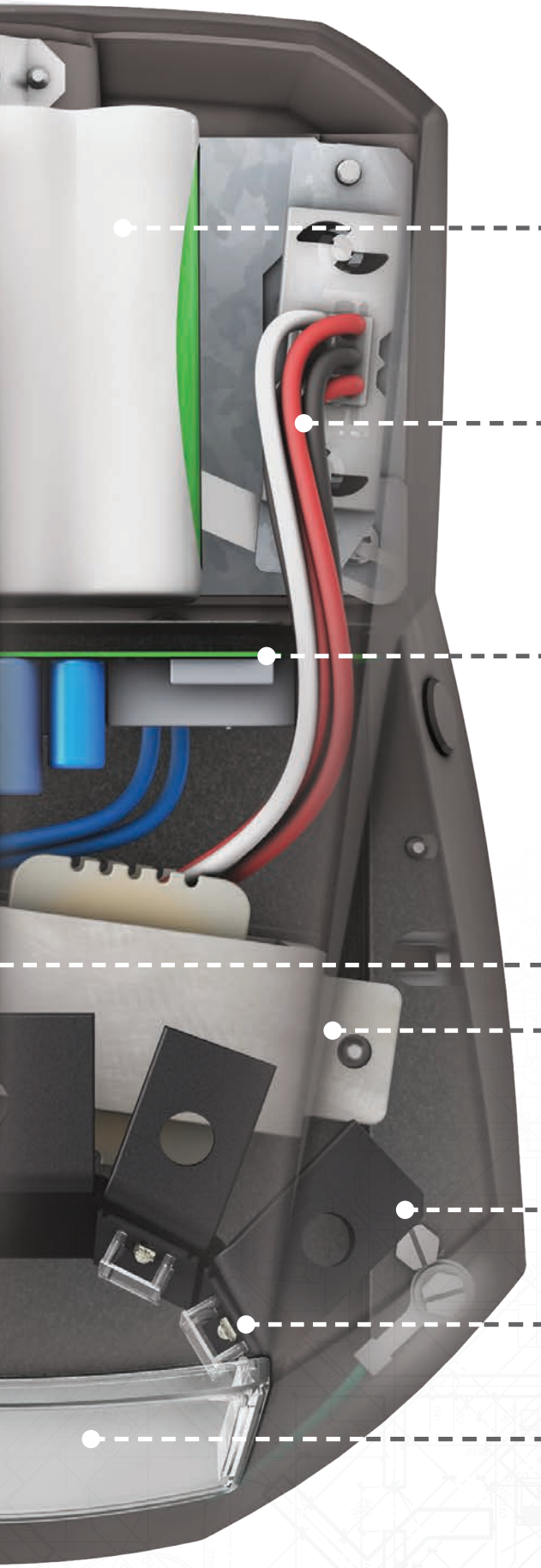
Mounting

- Wall Mount
- 1/2” rigid conduit entry provision on the top of the unit
- Universal knock-outs to mount to any standard 4” junction box
- Patent-pending design for easy installation: wall-mount back-plate includes electrical wire box with snap-on connector



Product is shown

TECHNOLOGY



Compact, Lead-free & Cadmium-free Nickel-Metal Hydride battery

AC quick connect snaps on to the back cover providing energy to the unit in a more compact version than the conventional model

Printed Circuit Board with micro-controller driven battery charger and LED driver

Emergency Lighting Transformer

Normal Lighting Transformer

Integrated head sink & LED engine support

Patent-Pending cross-beam LED engine with 4 LEDs and individual collimators

Clear, High Impact, UV-Resistant (3" X 1.5") Polycarbonate lens)

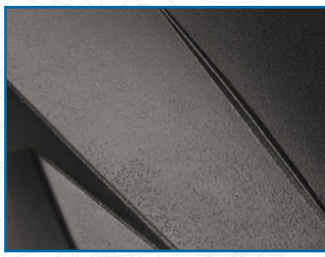
at actual size

Colors

Off-white

Platinum Gray

Dark Bronze



Black

NEMA-3R **Patent-Pending**

Lux-Ray™ LED Series

The **Lux-Ray™ LED** Series represents a two-in-one solution of accent lighting and emergency lighting for indoor or outdoor architectural spaces. Equipped with a patent-pending light engine (4 LED lamps with redundant connections and offers very wide beam), the **Lux-Ray™ LED** brings first-class performance in emergency lighting (40 to 70 feet of illuminated path of egress) and consumes less than 5W in stand-by mode. With generous accent lighting providing up to 640 lumens, the **Lux-Ray™ LED** is available with several options like: photo-switch for dusk-to-dawn operation and infrared remote control. Designed and UL® listed for wet and damp locations; optional cold-weather package (-40°F/-40°C).

Mounting

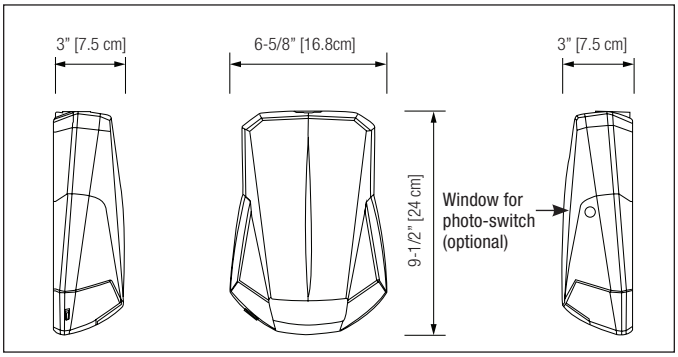
- Die-Cast aluminum housing, available in four finishes: dark bronze, off-white, black, and platinum gray
- Nema-3R rated for indoor / outdoors wet and Damp locations: 0-40°C (32-104°F)
- Wall-mount installation on various junction boxes or via rigid conduit
- Patent-pending design for easy installation: wall-mount back-plate includes electrical wire box with snap-on connector
- Patent pending light engine: four power LEDs with redundant connections and very wide beam
- Clear polycarbonate lens of reduced size (3" X 1.5"), shock-absorbent and UV-resistant
- Battery: environmentally friendly high-temperature rated, Nickel-Metal Hydride technology
- Power consumption in stand-by: less than 5W
- Optional self-test and diagnostic functions, operated by micro-controller
- 5-year limited warranty

Optional Features

- Cold-weather: -40°F / -40°C
- Forward-throw light distribution, for applications of outdoor exit discharge (OSHA 1910.36)
- High-lumen output: 25 to 50% additional level of illumination compare to the regular unit
- Dual-mode operation: normal lighting and/or emergency lighting with separate AC inputs
- Photo-switch: dusk-to-dawn control of normal lighting
- Remote test: infrared remote control (keypad ordered separately)
- Time delay: 5, 10, 15 minutes

Dimensions

Dimensions are approximate and subject to change.



Power Consumption Chart

AC SPECS: 120/277VAC					
Model Type	Normal lighting		Emergency lighting		6-12VDC remote
	Current (max)	Power (max)	Current (max)	Power (max)	Power (max)
AC, 2AC, ACDC, DC	0.12/0.08A	12W	0.11/0.08A	12W	8W
AC, 2AC, ACDC, DC, -H	0.18/0.11A	18W	0.18/0.11A	18W	14W
ACSD, SD, SD-H	0.12/0.06A	12W	0.05/0.02A	5W	n/a*
SD-CW	-	-	0.15/0.07A	16W	
ACSD-CWP, -CWRC	n/r*		0.22/0.10A	24W	

*Note: Only unswitched AC input; normal lighting with photo-switch or remote control

How to Order

Battery Unit

Color	Series	Model	Options	
B= Black **BZ**= Dark bronze **OW**= Off-white **PG**= Platinum gray	**LUX**= Lux-Ray LED	**SD**= Self-Powered & diagnostic (0… 50°C) **ACSD**= Dual-mode AC / Self-Powered (0… 40°C)	**-CW**= Cold weather (-40…30°C; N/A with option -H) **-D1**= Time delay: 5 minutes **-D2**= Time delay: 10 minutes **-D3**= Time delay: 15 minutes	**-FT**= Forward throw lighting **-H**= High lumen output (max. 30°C; model SD only) **-P**= Photo-switch, normal lighting (ACSD only) **-RC**= Remote control - infrared* * Remote control keypad (TB-RC1-E) ordered separately

Example: **BZLUXACSD-RC**

Remote Fixture

Color	Series	Model [-40°C ... +50°C (-40°F ... +122°F)]	Options
B= Black **BZ**= Dark bronze **OW**= Off-white **PG**= Platinum gray	**LUX**= Lux-Ray LED	**AC**= AC-only **ACDC**= AC/6-12VDC remote **DC**= 6-12VDC remote fixture **2AC**= AC-only two circuits: 120/120 or 277/277V	**-FT**= Forward throw lighting **-H**= High lumen output (-40…30°C) **-P**= Photo-switch, normal lighting (AC, ACDC only) **-RC**= Remote control - infrared* (AC, ACDC only) * Remote control keypad (TB-RC1-E) ordered separately

Example: **BZLUXDC-FTH**

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