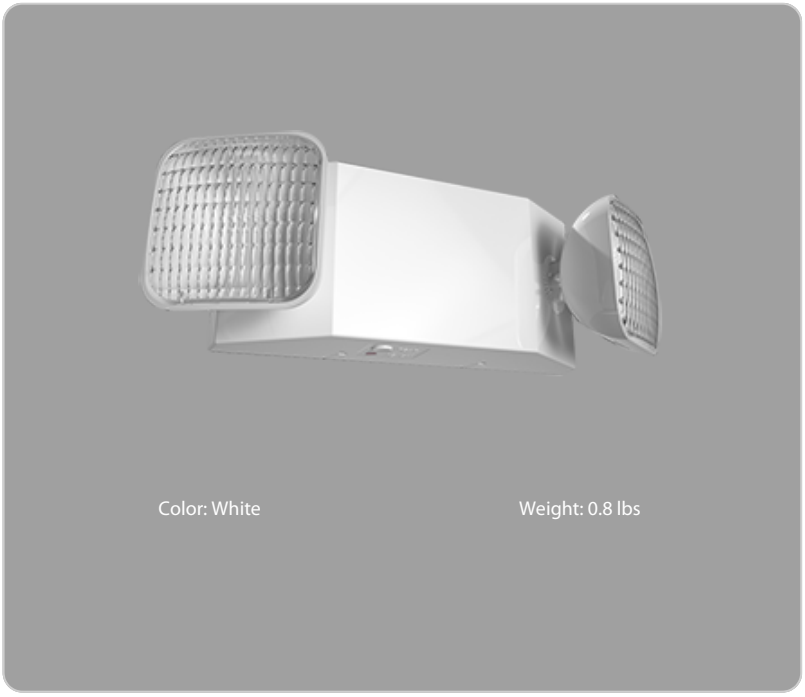
EM-S



Color: White

Weight: 0.8 lbs

Project:	**Type:**
Prepared By:	**Date:**

Technical Specifications

Performance

Product Type:
Emergency Unit

Description:
Emergency Thermoplastic Unit

Input Power:
1.6W

Lumens:
45lm

Lumens (per fixture):
90lm

Electrical

Power Factor:
0.7@120V; 0.6@277V

Input Voltage:
Dual 120/277 Voltage

Frequencies:
60 Hz

Input Current @ 120V (mA):
20mA

Input Current @ 277V (mA):
10mA

Dual Voltage Circuit Operation:
No

Operating Temperature:
32°F to 122°F (0°C to 50°C)

Emergency Illumination:
90 minutes

Battery Type:
Nickel Cadmium

Battery Voltage:
3.6V

Recharge Time Required:
24-hours

Battery Operating Temperature:
32°C to 122°C (0°F to 50°F)

Storage Temperature:
68°F to 86°F (20°C to 30°C)

Storage Shelf Life:
3 years before the initial charge. 5 years after initial charge.

Self Diagnostics:
Yes

Remote Test Switch:
No

Installation

Mounting Method:
Back/Conduit

Mounting Type:
Wall Mount

Maximum Mounting Height (ft.):
8 ft

Emergency Egress Coverage(ft) Mounting at height of 7.5ft:
12 ft x 3 ft mounted @ 7.5 ft

Spacing Criteria for Emergency Egress :
13 ft on center assuming 7.5 ft mounting height with egress path 3 ft out

Cold Weather Rated:
No

Construction

Shape:
Rectangle

Housing Material:
Thermoplastic

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Technical Specifications (continued)

Housing Color:
White

Remote Capacity:
No

No. of Heads:
2-Lamp Heads

Head Shape:
Square

Compliance

Listings:
UL924 Listed

Environment:
Suitable for indoor use in dry and damp environments

IP Rating:
Indoor

Certification Model Number:
LEDR-1-SDT

T20 Compliant:
Not Title 20 Compliant

California Title 24 JA8 Compliant:
Not applicable

California Energy Commission (CEC) Status:
Lawful for Sales in California

FCC:
Complies with Part 15 of the FCC Rules

Other

Warranty:
RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.
Battery is prorated.

Note:
All values are typical (tolerance +/- 10%)

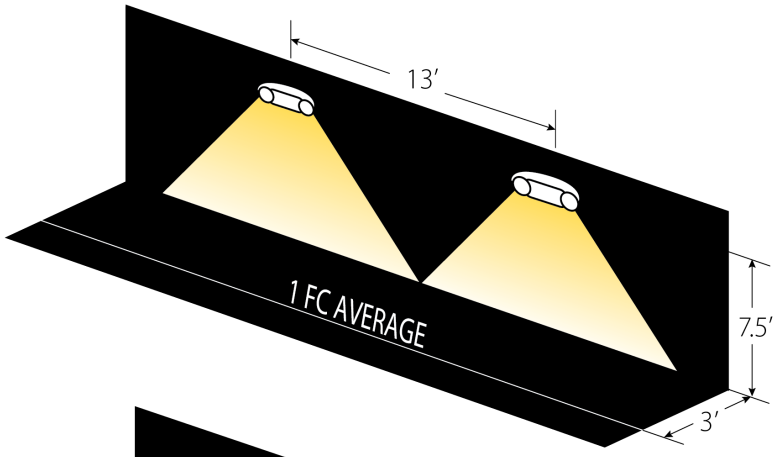
Buy American Act Compliance:
RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

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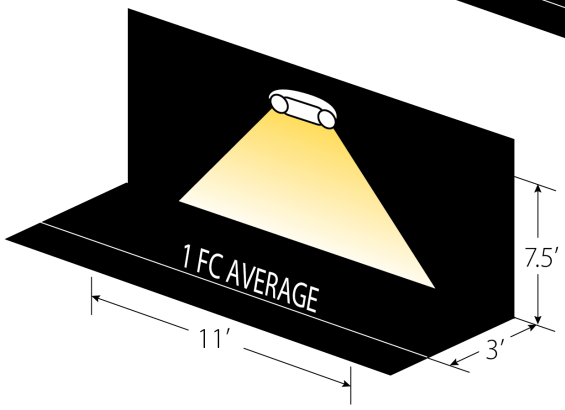
Maximum Spacing Guidelines

Mounting Height	Path of Egress, 3′ Out		Path of Egress, 6′ Out		Application Notes
	Single Luminaire	Multiple Luminaires	Single Luminaire	Multiple Luminaires	
7.5′	11′	13′	7′	9′	Room Size: 50′ L x 8′W x 9′H *Direct calculation method used. Reflectances excluded.*
	Tilt: 20°	Tilt: 20°	Tilt: 40°	Tilt: 40°	
	Orient: 20°	Orient: 20°	Orient: 0°	Orient: 0°	

Note: Meets NFPA 101 illumination requirements of 1 FC average, 0.1 FC minimum, and 40:1 max:min.



Example of multiple luminaires lighting a 3′ path of egress.



Example of a single luminaire lighting a 3′ path of egress.

Ordering Matrix

Family	Heads	High Lumen	Remote Capacity	Self Testing	CEC	Housing Color
EM				S		
	Blank = 2 Heads	**Blank =** No High Lumen **H =** High Lumen	**Blank =** No Remote Capable **R =** Remote Capable	**Blank =** No Self Testing **S =** Self Testing	**Blank =** No California Title 20 **CEC =** California Title 20EC	**Blank =** White

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