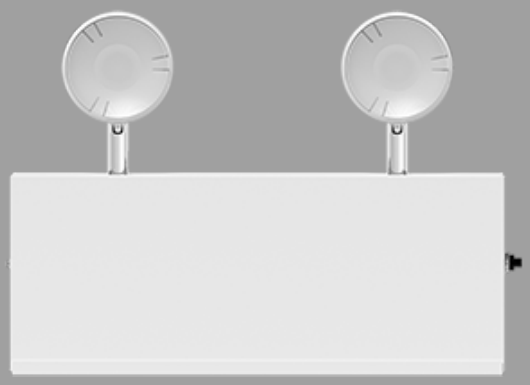
EM-RCH



Color: White

Weight: 5.2 lbs

Project:	Type:
Prepared By:	Date:

Technical Specifications

Performance

Product Type:
Emergency Unit Chicago Approved

Description:
Chicago Approved Steel Emergency Unit

Input Power:
8.4W @120V; 9.4W @277V

Lumens:
335lm

Lumens (per fixture):
670lm

Electrical

Power Factor:
0.9

Input Voltage:
Dual 120/277 Voltage

Frequencies:
60 Hz

Input Current @ 120V (mA):
80mA

Input Current @ 277V (mA):
40mA

Maximum Output Current (Amps):
0.90A

Maximum Output Wattage:
5.4W

Dual Voltage Circuit Operation:
No

Operating Temperature:
68°F to 122°F (20°C to 50°C)

Emergency Illumination:
90 minutes

Battery Type:
Sealed Lead Acid

Battery Voltage:
6V

Recharge Time Required:
24-hours

Battery Operating Temperature:
68°C to 122°C (20°F to 50°F)

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

Storage Shelf Life:
1 year before the initial charge.

Self Diagnostics:
No, manual test only

Remote Test Switch:
No

Installation

Mounting Method:
Back

Mounting Type:
Wall Mount

Maximum Mounting Height (ft.):
36 ft

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

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

Cold Weather Rated:
No

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Technical Specifications (continued)

Construction

Shape:
Rectangle

Housing Material:
Steel Sheet

Housing Color:
White

Remote Capacity:
Yes

No. of Heads:
2-Lamp Heads

Head Shape:
Round

Remote Head Power (W):
5W

Compliance

Listings:
UL924 Listed

Environment:
Suitable for indoor use in dry and damp environments

IP Rating:
Indoor

Certification Model Number:
CAEMW

T20 Compliant:
Not Title 20 Compliant

California Title 24 JA8 Compliant:
Not applicable

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

City Compliance:
Chicago Approved

FCC:
Complies with Part 15 of the FCC Rules

Other

Compatible Products:
EREMOTE-1
Single remote head
EREMOTE-1H
Single remote head high-output
EREMOTE
Double remote head
EREMOTE-H
Double remote head high-output
EREMOTE-1HB
Single remote head high-output, black
EREMOTE-B
Single remote head, black
EREMOTEOUT-1
Single remote head, outdoor
EREMOTEOUT
Double remote head, outdoor
EREMOTEOUT-1H
Single remote head high-output, outdoor
EREMOTEOUT-H
Double remote head high-output, outdoor
EREMOTEOUT-1HB
Single remote head high-output, black, outdoor
EREMOTEOUT-HB
Double remote head high-output, outdoor

2 Yr Limited Warranty:
The RAB 2-year, limited warranty covers light output, driver perfomance, paint finish and labor. 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%)

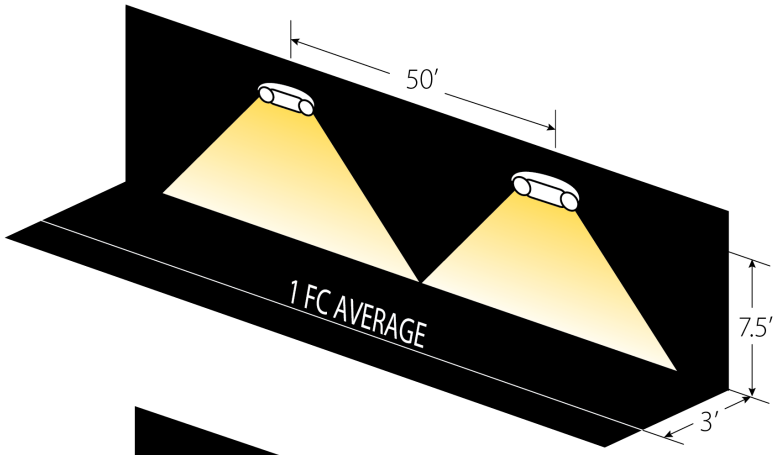
Buy American Act Compliance:
RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

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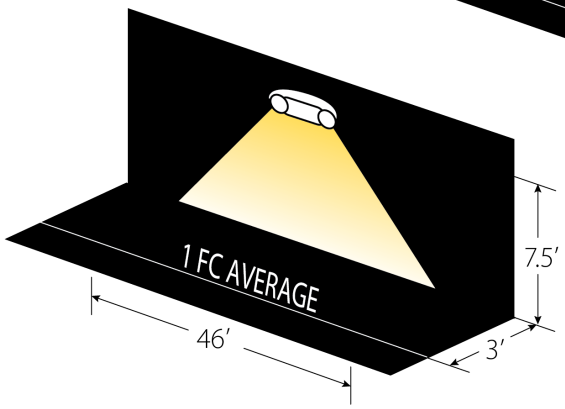
Maximum Spacing Guidelines

Mounting Height	Path of Egress, 3′ Out		Path of Egress, 6′ Out		Application Notes
	Single Luminaire	Multiple Luminaires	Single Luminaire	Multiple Luminaires	
7.5′	46′	50′	48′	50′	Room Size: 100′ L x 8′ W x 9′ H *Direct calculation method used. Reflectances excluded.*
	Tilt: 50°	Tilt: 50°	Tilt: 50°	Tilt: 50°	
	Orient: 50°	Orient: 50°	Orient: 50°	Orient: 50°	

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



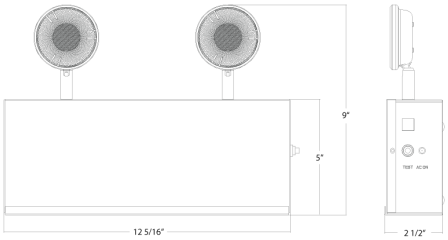
Example of multiple luminaires lighting a 3′ path of egress.



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

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Dimensions



Features

- Durable thermoplastic design
- Remote head capable, see Remote Head Compatibility List

Ordering Matrix

Family	Heads	Remote Capable	Housing	City
EM		R		CH
	Blank = 2 Heads	**Blank =** No Remote Capable	**Blank =** White Housing	**CH =** Chicago

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