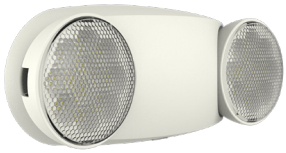
EM Emergency Lights

EM

EM-R-B



EM-R

PROJECT:

DATE:

TYPE:

PREPARED BY:

Thermoplastic, High-Output LED Heads, Round or Square

REMOTE HEADS | EM BATTERY BACKUP | DAMP RATED | IP20 | 120-277V

KEY FEATURES

- Injection-molded thermoplastic ABS housing, UL 94V-0 flame rating, high-impact resistant, thermoplastic in white housing finish
- Adjustable LED lamp heads provide optimal center-to-center spacing. Suitable for wall or ceiling mounting
- Integrated battery backup, 90 minutes of emergency power
- Remote output power 2W at 3.6VDC. Supports up to two (2) single or one (1) double 3.6VDC remote heads
- Meets UL924, NFPA 101 Life Safety Code, NEC, OSHA, local and state codes. Compliant with California Title 20

PERFORMANCE

Catalog Number	Head Shape	Finish	Remote Head	Input Voltage (V)	Lumens (lm)	Input Power	Input Current @120V (A)	Input Current @277V (A)	Maximum Output Wattage (W)	Remote Capacity (W)	Battery Voltage
EM	Square	White	No	120-277V	200 lm	1.2W	0.02A	0.01A	2W	-	3.6V
EM-R			Yes			2W	0.025A	0.018A	4W	2W	
EM-B		Black	No			1.5W	0.02A	0.01A	2W	-	
EM-R-B			Yes			2W	0.025A	0.018A	4W	2W	
EM-R	Round	White	No			2W	0.02A	0.01A	2W	-	
EMR-R			Yes			2W	0.025A	0.018A	4W	2W	

TECHNICAL SPECIFICATIONS

CONSTRUCTION

Product Type
Emergency thermoplastic unit with round & square heads

Housing Material
Injection-molded thermoplastic ABS housing, UL 94V-0 flame rating

Housing Finish
White & black finish models available

Illumination Source
2 Lamp heads in round or square

Optical System
Precision engineered prismatic lens

Head Orientation
Adjustable heads for aiming light where required; 330° rotation, 40° tilt

Remote Capable
Supports up to two (2) single or one (1) double 3.6VDC remote lamps

INSTALLATION

Mounting Universal
J-Box mounting pattern

Application
Wall mount

ELECTRICAL

Operating Temperature
32°F to 104°F *(0°C to 40°C)*

EMERGENCY CHARACTERISTICS

Battery Backup
Yes

Emergency Illumination
Minimum 90 minutes emergency operation

Battery
Built-in 3.6V 1000mAh Nickel cadmium battery

Recharge Time
Maximum 24 hours for full recharge time

Battery Operating Temperature
32°C to 104°C *(0°F to 40°F)*

Testing Method
Integrated test switch & charge indicator

COMPLIANCE

Listings
UL Listed, UL924 Compliant

Environment
Suitable for use indoors in dry and damp environments

IP Rating
IP20

Illumination standard
NEC and OSHA illumination standards

California Title 20 Compliant
Yes

California Energy Commission (CEC) Status
Lawful for sales in California

RoHS
Mercury and UV free. RoHS-compliant components

FCC
Complies with Part 15 of the FCC Rules

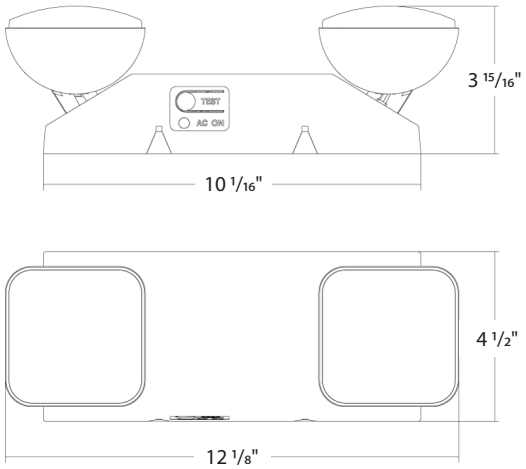
OTHER

Warranty
RAB warrants that our LED products will be free from defects in materials and workmanship for a period of three (3) 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.

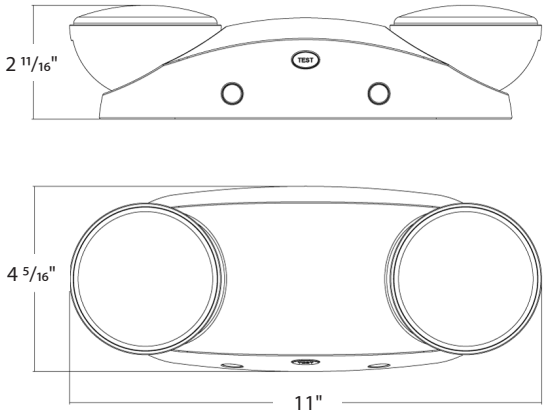
EM Emergency Lights

DIMENSIONS

EM / EM-R
Weight: 4.72 lbs



EMR / EMR-R
Weight: 6.22 lbs



ACCESSORIES

Standard Remote Heads

EREMOTE-1 EREMOTE

EREMOTE-1B

Catalog Number	No. of Heads	UPC	Description
EREMOTE-1	Max 2	192552021869	Indoor Remote Heads 1 Head Multi-Volt
EREMOTE	Max 1	192552021906	Indoor Remote Heads 2 Heads Multi-Volt
EREMOTE-1B	Max 2	192552054508	Indoor Remote Heads 1 Head Multi-Volt Black-Housing
EREMOTE-B	Max 1	192552033329	Indoor Remote Heads 2 Heads Black-Housing Multi-Volt

Waterproof Remote Heads

EREMOTEOUT-1

EREMOTEOUT-1B

Catalog Number	No. of Heads	UPC	Description
EREMOTEOUT-1	Max 2	192552033336	Outdoor Remote Heads 1 Head Grey-Housing
EREMOTEOUT	Max 1	192552033343	Outdoor Remote Heads 2 Heads Grey-Housing
EREMOTEOUT-1B	Max 2	192552054515	Outdoor Remote Heads 1 Head Black-Housing
EREMOTEOUT-B	Max 1	192552054522	Outdoor Remote Heads 2 Heads Black-Housing
EREMOTEOUT-1W	Max 2	192552046190	Outdoor Remote Heads 1 Head White-Housing
EREMOTEOUT-W	Max 1	192552046206	Outdoor Remote Heads 2 Heads White-Housing

EM Emergency Lights

ORDERING INFO

Catalog Number	UPC	Case Pack
EM	192552020114	0
EM-R	192552020114	0
EM-B	192552054461	0
EM-R-B	192552054478	0
EMR	192552039727	0
EMR-R	192552039734	0

ORDERING MATRIX

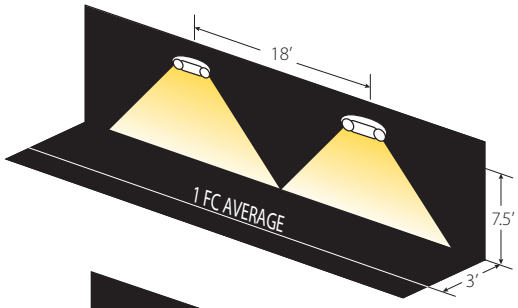
Family	Remote Capacity	Housing Color	Driver
EMR			
	Blank Not Remote Capable R Remote Capable	Blank White B Black	Blank 120-277V

MAXIMUM SPACING GUIDELINES

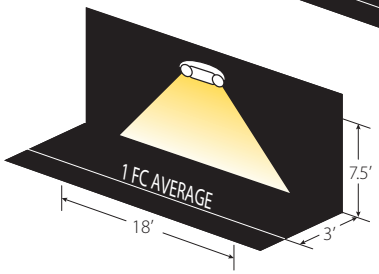
EM

Mounting Height	Path of Egress, 3′ Out		Path of Egress, 6′ Out		Application Notes
	Single Luminaire	Multiple Luminaires	Single Luminaire	Multiple Luminaires	
7.5′	18′	18′	8′	12′	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: 15°	Orient: 40°	Orient: 5°	Orient: 20°	

NFPA 101 Life Safety Code emergency egress: 1 FC average, 0.1 FC minimum & 40:1 max:min



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

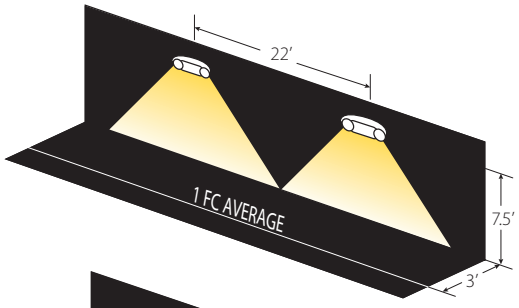


Example of a single luminaire lighting a 3′ path of egress.

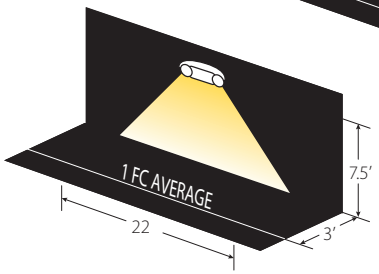
EM-R

Mounting Height	Path of Egress, 3′ Out		Path of Egress, 6′ Out		Application Notes
	Single Luminaire	Multiple Luminaires	Single Luminaire	Multiple Luminaires	
7.5′	22′	22′	14′	16′	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: 30°	Orient: 40°	Orient: 30°	Orient: 30°	

NFPA 101 Life Safety Code emergency egress: 1 FC average, 0.1 FC minimum & 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.