

EMEL

Mullion Mount Outdoor Emergency Egress Lighting

Linear LED outdoor egress with emergency lighting, night lighting and Self-test diagnostics with all Battery Backup (BB) models. The EMEL series is designed to mount directly on mullion frames used in typical glass panel entrance structures, with vertical mounting surface as small as 2". High efficiency LEDs and full 90° cut-off provide uniform emergency and night lighting on the extended egress pathway. All models are outdoor rated, UL wet location, ADA compliant, and exceed requirements of UL Standard 924 and NFPA 101. Designed and manufactured in the USA

FEATURES:

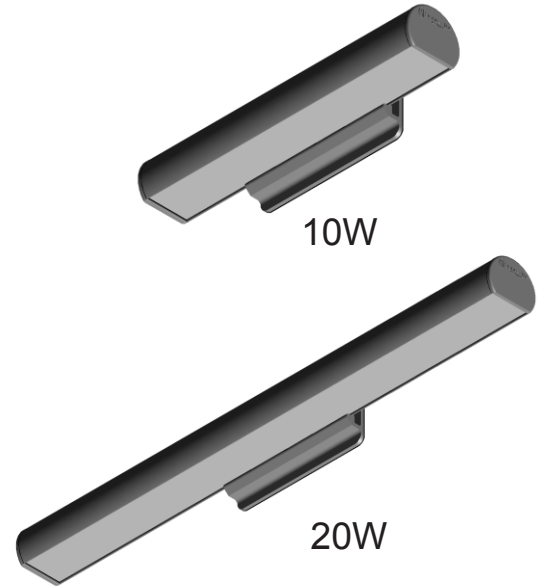
- Very low profile extruded aluminum housing and mount bracket blend seamlessly with structural metal frames.
- Custom satin finishes for extended outdoor use are available to match any surface.
- Available in Top or Wall mount.
- Remote power supply for BB & AC models.
- Self-Test Diagnostics is standard.
- Optional normal-on switch allows timed control of night lighting.
- IP66 housing seals against heavy water spray and fine dust ingress.
- Wide lighting distribution designed for entrance walkways.
- Standard CRI 5000K, with optional color corrections filters for 2900K, 3200K and 3800K.
- American manufactured major components comply with ARRA (American Recovery and Reinvestment Act) requirements and Buy American provisions.

CONSTRUCTION:

- Extruded aluminum housing 2" diameter with gasketed mullion-mount back plate 2 1/2" x 5" that includes a waterproof compression seal for easy wiring installation.
- Available in Brushed Aluminum, Satin White, Bronze, Black, or any custom color on request.
- Wet location listed UL924 and certified IP66.
- Gasketed, molded end caps.
- Stainless steel hardware.
- Sealed acrylic lens.

ELECTRONICS:

- Self-Test/Self-Diagnostic operation is standard in battery backup versions.
- Line latch circuit prevents unwanted emergency activation at installation.
- Low Voltage Disconnect prevents deep battery discharge.
- High efficiency charger and Li-ion Battery.
- Standard Operating Temperature. **BB:** 0°C to 50°C **AC:** -40°C to 50°C



CODES

- Manufactured and tested to UL Standard 924, NFPA Life Safety Code 101, and certified to Ip66.

WARRANTY

- 10 year total customer satisfaction warranty.



FIXTURE ORDERING INFORMATION EXAMPLE: EMELBB10AW-SD

EMEL	BB	10	A	W	SD
SERIES	OPERATION	POWER	HOUSING COLOR	MOUNT	OPTIONS
EMEL	BB Battery Unit	10 10 watts emergency and normal power	W Satin White	T Top	SD Night lighting with control switch for BB operation 120/277V
	AC No Battery	20 20 watts emergency and normal power	K Black	W Wall	DAC Dual AC input
			A Aluminum		CW1 3800K
			B Dark Bronze		CW2 3200K
			X Custom		CW3 2900K
					2HT 2" canopy Height
					5HT 5" canopy Height
					REC RPS Recessed Mount (20W BB Model only)
					2EM 2 hours Battery Run Time(20W BB Model only)

Mullion Mount Outdoor Emergency Egress Lighting

LIGHTING

- Lamps connected in parallel allow continuous lighting after failure of one lamp, meeting NEC and NFPA requirements.
- Standard output color 5000K. Optional outputs available 2990K, 3200K and 3800K.
- Dual function available for emergency or normally -ON operation(Night Lighting).

NIGHT LIGHTING CONTROL

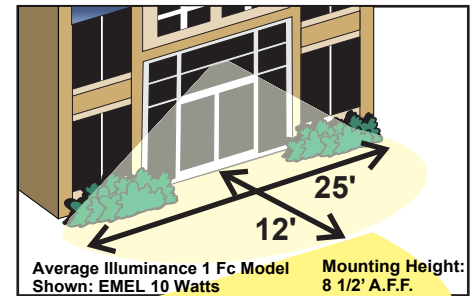
BB MODELS: Requires option 'SD' for connection to 120/277 VAC

SUGGESTED SPECIFICATIONS:

The EUE assembly shall be listed for installation in wet locations in compliance with UL 924 and IP66 standards and shall be capable of operating from remote power supply Series RPS, the central battery system Series CBS, or from other remote power sources supplying 12-24 VDC or VAC. Upon loss of AC building power, emergency models shall operate for a minimum of 90 minutes in compliance with UL Standard 924 and NFPA LSC 101.



EMEL10 SPACING GUIDE



NOTE: FOR REFERENCE ONLY. STANDARD REFLECTANCES 80/50/20. WE ARE NOT RESPONSIBLE FOR SPECIFIC CONDITIONS THAT MAY ALTER THE RESULTS.

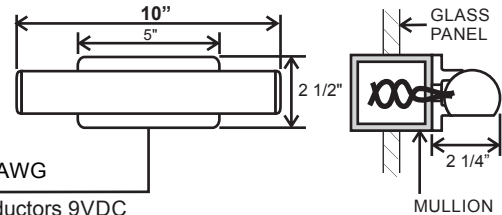
CONTACT US FOR LAYOUT ASSISTANCE

1) 10 Watts AC & BB Models Remote Power Supply

MAXIMUM WIRING LENGTH FROM 10 WATTS RPS TO FIXTURE

WIRING SIZE AWG	LENGTH (FT)
	EMELBB-10
#18	25
#16	50
#14	75
#12	125

WALL MOUNT

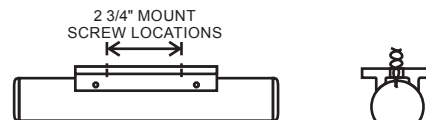


Typical Wiring Specification:

UL AWM Style: Control Cable #20 AWG

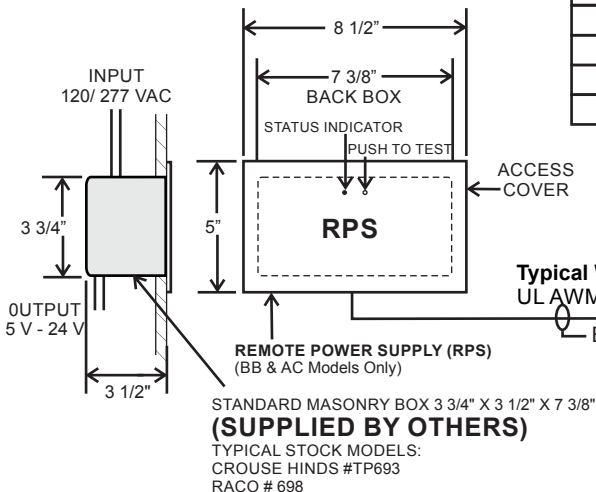
BB and AC Models: 2 Conductors 9VDC

TOP MOUNT



NIGHT LIGHTING CONTROL

BB MODELS: Requires option 'SD' for connection to 120/277 VAC



SELF-TEST DIAGNOSTIC FUNCTIONS For Battery Backup Models

STATUS	LED DISPLAY
NORMAL FULL CHARGE	GREEN ON
NORMAL FAST CHARGE	ORANGE ON
FAILED BATTERY	RED FLASH FAST
FAILED LAMP	GREEN FLASH
FAILED TRANSFER	ORANGE FLASH
FAILED CHARGER	RED FLASH SLOW

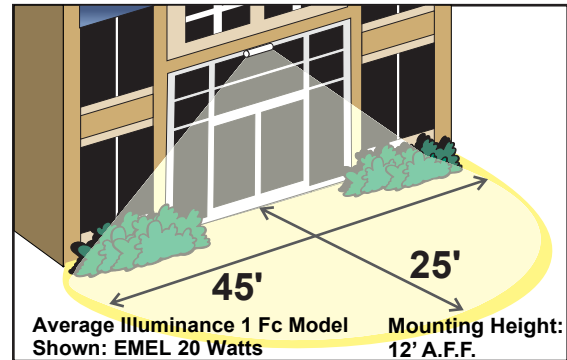
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2) 20 Watts BB Models Remote Power Supply

MAXIMUM WIRING LENGTH FROM 20 WATTS RPS TO FIXTURE

WIRING SIZE AWG	LENGTH (FT)
	EMELBB-20
#18	60
#16	100
#14	160
#12	250

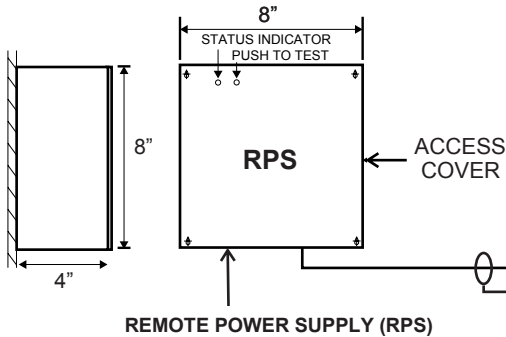
EMEL20 SPACING GUIDE



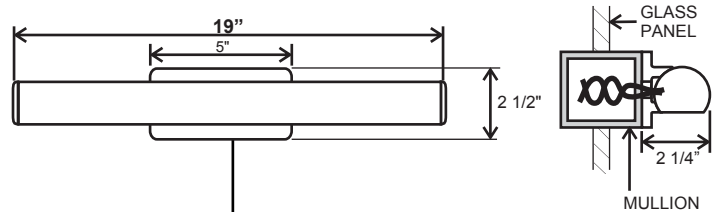
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SURFACE MOUNT

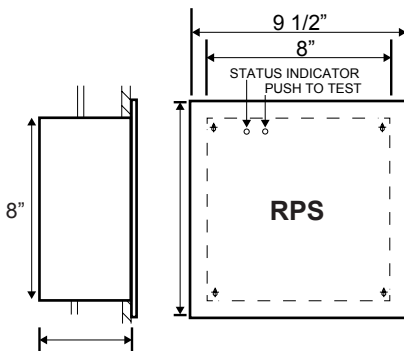


WALL MOUNT

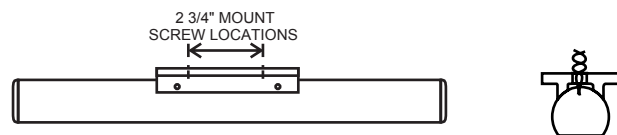


Typical Wiring Specification:
UL AWM Style: Control Cable #20 AWG 300V

RECESS MOUNT (OPTION REC)



TOP MOUNT



SELF-TEST DIAGNOSTIC FUNCTIONS For Battery Backup Models

STATUS	LED DISPLAY
NORMAL FULL CHARGE	● GREEN ON
NORMAL FAST CHARGE	● ORANGE ON
FAILED BATTERY	● RED FLASH FAST
FAILED LAMP	● GREEN FLASH
FAILED TRANSFER	● ORANGE FLASH
FAILED CHARGER	● RED FLASH SLOW