



Job Name: \_\_\_\_\_

Type: \_\_\_\_\_

Part #: \_\_\_\_\_

Notes: \_\_\_\_\_

# LSMEL

## 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 LSMEL 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:

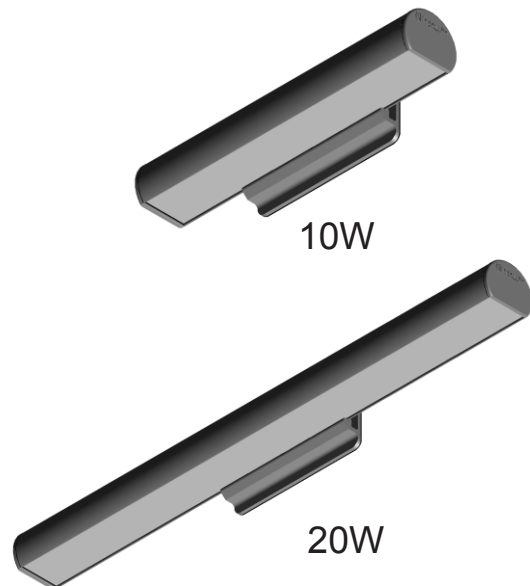
- Very low profile extruded aluminum housing and mount bracket blend seamlessly with structural metal frames.
- Custom satin finishes for extended outdoor use are available to match any surface.
- Available in Top or Wall mount.
- Remote power supply for BB & AC models.
- Self-Test Diagnostics is standard.
- 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: LSMELBB10AW-SD

LSMEL	BB	10	A	SD	
SERIES	OPERATION	POWER	HOUSING COLOR	MOUNT	OPTIONS
LSMEL	BB Battery Unit AC No Battery	10 10 watts emergency and normal power 20 20 watts emergency and normal power	W Satin White K Black A Aluminum B Dark Bronze X Custom	T Top W Wall	SD Night lighting with control switch for BB operation 120/277V DAC Dual AC input CW1 3800K CW2 3200K 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)



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## 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

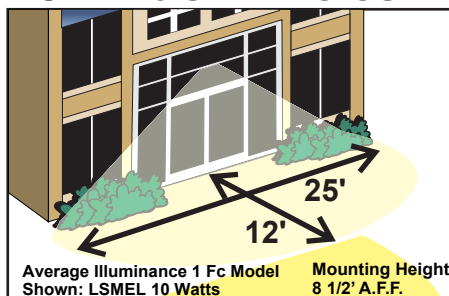
BB MODELS: Requires option 'SD' for connection to 120/277 VAC

### SUGGESTED SPECIFICATIONS:

The LSMEL 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.



### LSMEL10 SPACING GUIDE



Average Illuminance 1 Fc Model Shown: LSMEL 10 Watts  
Mounting Height: 8 1/2' A.F.F.

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

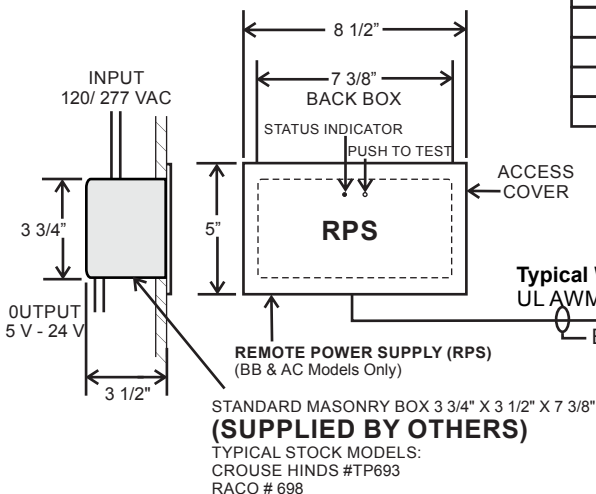
CONTACT US FOR LAYOUT ASSISTANCE

## MOUNTING DATA & DIMENSIONS:

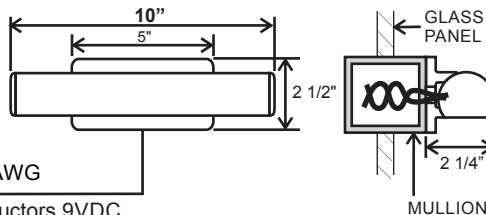
### 1) 10 Watts AC & BB Models Remote Power Supply

#### MAXIMUM WIRING LENGTH FROM 10 WATTS RPS TO FIXTURE

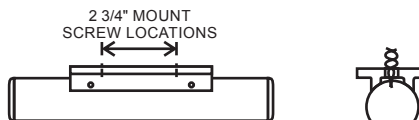
WIRING SIZE AWG	LENGTH (FT)
	LSMELBB-10
#18	25
#16	50
#14	75
#12	125



#### WALL MOUNT



#### 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

#### NIGHT LIGHTING CONTROL

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

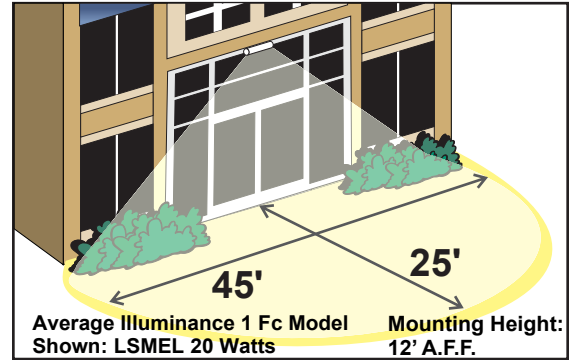
## Mullion Mount Outdoor Emergency Egress Lighting

### 2) 20 Watts BB Models Remote Power Supply

#### MAXIMUM WIRING LENGTH FROM 20 WATTS RPS TO FIXTURE

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

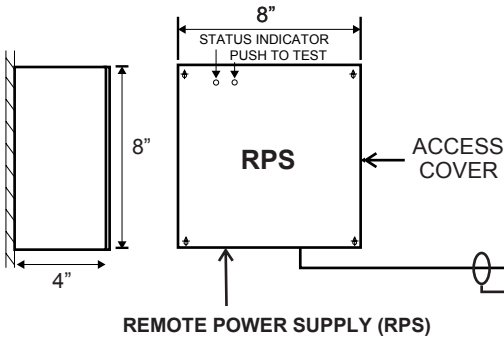
### LSMEL20 SPACING GUIDE



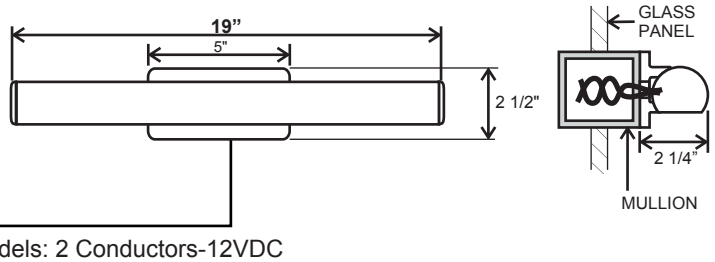
NOTE: FOR REFERENCE ONLY. STANDARD REFLECTANCES 80/50/20. WE ARE NOT RESPONSIBLE FOR SPECIFIC CONDITIONS THAT MAY ALTER THE RESULTS.

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#### SURFACE MOUNT



#### WALL MOUNT

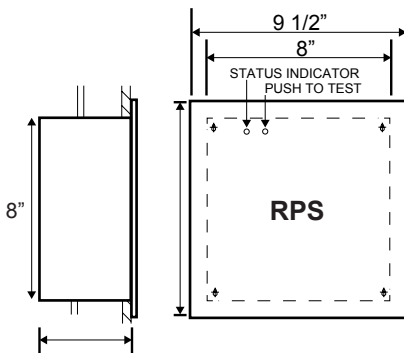


BB Models: 2 Conductors-12VDC

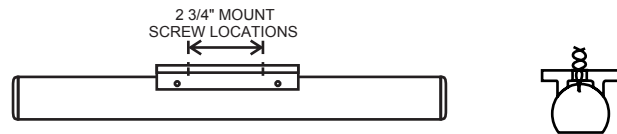
REMOTE POWER SUPPLY (RPS)

**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