



# EMLED Series - ELS

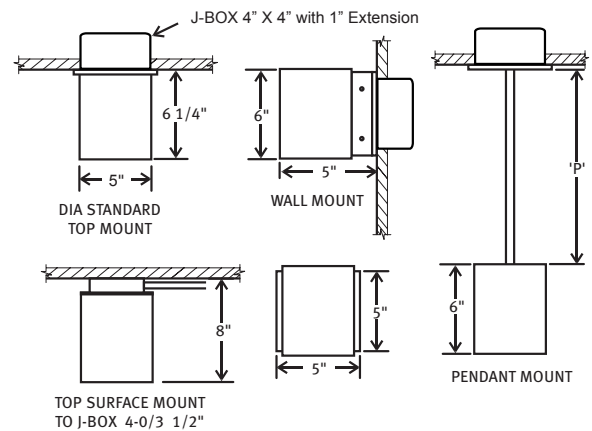


PROJECT: \_\_\_\_\_  
 FIXTURE TYPE: \_\_\_\_\_  
 LOCATION: \_\_\_\_\_  
 CONTACT/PHONE: \_\_\_\_\_

The ELS features an architectural aluminum housing designed for interior use. This sleek unit offers several mounting options and is available with a satin white or custom finish. The high light output allows for fixture spacing up to 50-55FT for 1FC average illumination along a 6FT path of egress. Ideal for any indoor application requiring attractive unit equipment.

## PRODUCT FEATURES

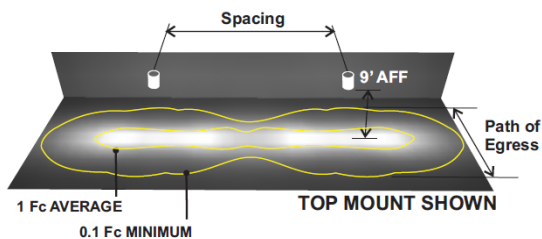
- Superior 50-55 foot center-to-center spacing
- Meets American Recovery & Reinvestment Act of 2009 (ARRA) requirements and Buy American Recovery Act provisions
- Architectural, cylinder style design
- Elegant aluminum extrusion design
- Variety of LED lamping options 7 or 10 Watts
- Mounts with standard backplate to wall or ceiling. Optional mounting direct to J-Box or Pendant mounting
- External LED status indicator and test button
- ETL listed 90 minute emergency run time, 24 hour recharge time
- Optional Self-Diagnostics (DG) available
- 120/277V dual primary, 60Hz input for standard operation
- Standard finishes: White
- Optional custom colors available
- Optional Damp Rating (DR) available



## ORDERING INFORMATION

MODEL	OPERATION	POWER RATING	HOUSING COLOR	OPTIONS
ELS	BB = Battery Backup	7L2 = 7 Watts / 2 Lamp	W = White	DG = Battery Diagnostics
		10L3 = 10 Watts / 3 Lamp	X = Custom	DR = Damp Rated
				SW = Security Lighting W/ Control Switch
				WM = Wall Mount
				SMJ = Surface Mount to J-Box
				P6 = 6" Mount
				P12 = 12" Pendant Mount

Ordering Example: ELS-BB-10L3-W-SMJ



## SPACING GUIDE

Model	Mtg. Ht.	SPACING		
		Path of Egress Width		
		3 Ft.	6 Ft.	10 Ft.
7 L2	9'	50'	40'	25'
10 L3*	9'	55'	50'	40'

\*10 L3 Projection from Building: 30 Ft

NOTE: TESTED IN ACCORDANCE WITH IES STANDARD LM-79-08 FOR SOLID STATE LIGHTING PRODUCTS. FOR REFERENCE ONLY. STANDARD REFLECTANCES 80/50/20. Mule IS NOT RESPONSIBLE FOR SPECIFIC CONDITIONS THAT MAY ALTER THE RESULTS. COMPLETE IES PHOTOMETRIC DATA AVAILABLE AT [www.mulelighting.com](http://www.mulelighting.com) FOR YOUR CONVENIENCE.

### SUGGESTED SPECIFICATIONS

Install EMLED Series ELS Surface Mount LED down light emergency lighting fixture manufactured by Mule Lighting, Inc., available as unit equipment. Upon loss of AC building power, emergency lighting shall operate for a minimum of 90 minutes in compliance with UL 924 and NFPA LSC Code 101. The unit may be specified to operate continuously for security or night lighting, as required. The battery charger and power supply shall have universal input of 120/277 VAC, with brownout and LVD circuit protection. Auto battery diagnostics shall be available for all models, as specified and shall perform all test functions specified by UL 924 and NFPA 101.

### SELF-DIAGNOSTICS

The optional battery diagnostics continuously monitors the operating condition of the AC power, battery supply voltage, emergency lamp continuity and charging circuit.

The purpose of this option is to provide visual indication in response to a fault that may be occurring in the fixture.

The circuit will perform a 30 second discharge and self-test every 28-30 days. A 90 minute discharge and self-test is performed every 6 months.

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

## CONSTRUCTION

The ELS cylinder design is constructed of a rugged extruded aluminum housing and canopy plate. Heat and impact resistant lens resists discoloration.

## ILLUMINATION

Units can be supplied with LED's offering 7 watts or 10 watts of light output. The high performance LED's have an expected life of up to 100,000 hours with normal use.

## ELECTRICAL

### INPUT

Dual-voltage input 120 or 277VAC @ 60 Hz

### BATTERY

Units are supplied with a Sealed Nickel Metal Hydride battery (NiMH) that are maintenance-free and have a 15 year life expectancy. NiMH batteries perform optimally in temperatures ranging from 0-40 degrees C. NiMH batteries are more environmentally friendly than NiCad or lead acid alternatives as they contain no cadmium or lead.

### EMERGENCY

The ELS will operate for a minimum of 90 minutes during a loss of power and features a maximum recharge time of 24 hours for the battery.

The LED lamps are connected in parallel so if one lamp fails, the balance of the LED's will continue to operate. The power supply delivers a regulated current and voltage to the LED lamps to optimize the lamp life. A momentary test switch and indicator light are included.

## INSTALLATION

The ELS unit mounts with a standard back plate to the wall or ceiling for traditional installations. Optional pendant mounting or mounting direct to J-Box for exposed conduit applications, such as unfinished ceilings are also available.

## OPTIONS

### DAMP LOCATION

The optional Damp Location rating (DR) ensures that the fixture is designed to operate safely in outdoor locations that are protected from the direct elements. Damp location units may be installed indoors. Products with a damp location rating are not designed to withstand constant or significant moisture or direct contact with water or steam.

### SECURITY/NIGHT LIGHTING

The optional Security/Night Lighting Control allows the fixture to be used as both an emergency lighting fixture and a security/night lighting fixture. Units with this option will operate each LED at 2 Watts (SW option) offering 50% output when in security mode and connected to an active building AC supply and wired according to installation instructions. The security lighting circuit is independent of the emergency lighting and may be switched manually by exterior photocell or other automatic means.