



Job Name: _____

Type: _____

Part #: _____

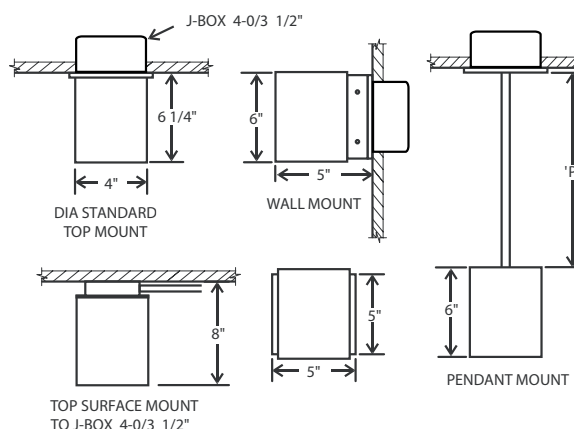
Notes: _____

LSELS

The LSELS 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 from 8-15 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 (DP) available



ordering information

MODEL	OPERATION	POWER RATING	HOUSING COLOR	OPTIONS
LSELS	BB = Battery Backup	10L2 = 10 Watts / 2 Lamp	W = White	DG = Battery Diagnostics
		15L3 = 15 Watts / 3 Lamp	X = Custom	
				SB = Security Lighting Control
				DR = Damp Rated
				WM = Wall Mount
				SMJ = Surface Mount to J-Box
				P6 = 6" Mount
				P12 = 12" Pendant Mount

Ordering Example: LSELS-BB-10L2-W-SMJ

2021.09



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SECURITY/NIGHT LIGHTING POWER RATING (SPR)

The Catalog Number for EMLED fixtures specifies the number of lamps used:

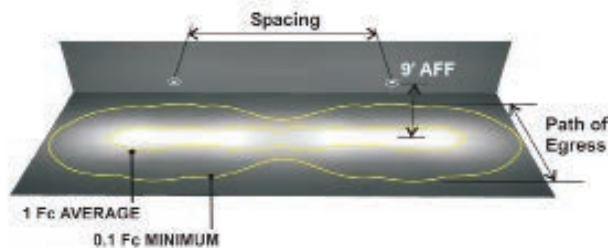
L2 = Two LED lamps per fixture

L3 = Three LED lamps per fixture

For the total SPR per fixture, multiply the number of lamps by the power ratings below:

STANDARD: 2 WATTS PER LED

CUSTOM: 5 WATTS MAX PER LED*



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 10 watts or 15 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 LSELS 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 LSELS 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 (DP) 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 (SB option) or 4 Watts (SB4 option) offering 50-70% 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.

spacing guide

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

*15 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 FOR YOUR CONVENIENCE.

SUGGESTED SPECIFICATIONS

Install LSELS Surface Mount LED down light emergency lighting fixture manufactured by Mule Lighting, Inc. Upon loss of AC building power, lighting will be activated at 10 watts in the standard model for a minimum of 90 minutes under battery power, in compliance with UL 924 and NFPA LSC Code 101. 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. performed every 6 months.

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