



# EMLED Series - EAE



## LED Outdoor Egress Emergency Light

### BENEFITS & FEATURES

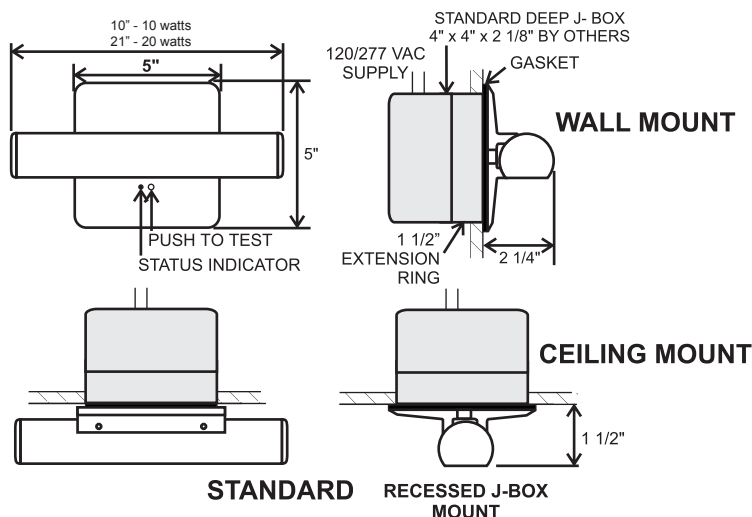
- Extremely low profile, formed aluminum housing
- Corrosion proof stainless hardware
- Illuminates a uniform 12' x 25' area providing safe and effective outdoor emergency egress lighting
- 10 watt Cree LEDs
- Pure white light output of 5300K
- Wet location listed to UL924 and IP66 standards
- Maintenance-free NiMH battery, standard
- Over 50,000 hour lamp life
- Optical LED lens coupled with prismatic polycarbonate lens for optimal light output and protection
- Optional security/night lighting allows the fixture to be used as an emergency lighting and as security/night lighting
- Power supply delivers regulated current and voltage to LED lamps at optimum levels to maximize lamp life
- Standard finish: Black, White, Brushed Aluminum, Dark Bronze
- External LED status indicator and test button
- 120-277 volt, 50/60Hz input
- IES photometric data available
- 5 year warranty
- Ambient Temperature Limits: -20° C to +40° C

### Architectural Emergency Light

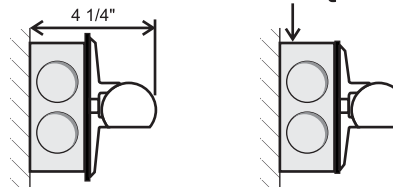
A dramatic new and compact architectural design, providing powerful emergency lighting for over-door and other exterior locations with a 90° full cut-off light distribution. The lamp housing and canopy are fabricated from extruded aluminum.



### MOUNTING DATA & DIMENSIONS:



**TWO-GANG FIXTURE BOX:**  
DIE CAST ALUMINUM 2" DEEP 28 CUBIC IN.  
(Supplied by others)  
EXAMPLE: BELL #5346-0 OR EQUAL

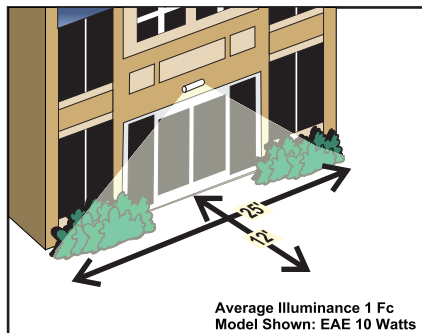


### ORDERING INFORMATION

MODEL	OPERATION	POWER	HOUSING COLOR	MOUNT	OPTIONS
EAE	BB = Battery Backup	10 = 10 Watts	BL = Black	T = Top	DG= Battery Diagnostics
	AC = AC Supply 120/277	20 = 20 Watts*	W = Satin White	W = Wall	SB120= Security Lighting with Control Switch for Standard BB Operation (120V)
		*(AC Models Only)	A = Aluminum		SD277= Security Lighting with Control Switch for Standard BB Operation (277V)
			DB = Dark Bronze		SD= Security Lighting with Control Switch for BB Operation with DG or LT
			CC= Custom		Option (120/277V)
					LT= Low Temp Operation to -40C**
					CW1 = Custom Window Filter - 3800K
					CW2 = Custom Window Filter - 3200K
Ordering Example: EAE-BB-10-W-T-DG					DAC120 = Dual AC Input - 120V
**Requires RPS. See RPS spec sheet					DAC277 = Dual AC Input - 277V



## SPACING GUIDE



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

## SUGGESTED SPECIFICATIONS

Install EMLED Series EAE architectural emergency lighting fixture manufactured by Mule Lighting, Inc. The EAE assembly shall be listed for installation in wet locations in compliance with UL 924 and IP66 standards, available as unit equipment. Upon loss of AC building power, lighting will be activated 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 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 EAE Linear has a rugged, precision, low-profile design with die-cast aluminum housing including one-piece, molded, weatherproof gasket. Corrosion resistant, stainless steel hardware is standard. Heat and impact resistant prismatic polycarbonate lens resists discoloration.

## ILLUMINATION

Units are supplied with LED's offering 10 watts of light output.

The high performance LED's have an expected life of up to 50,000 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 EAE 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

For wall or ceiling mount applications, the standard emergency unit requires the rough in of a standard deep J-box with a 1 1/2" extension ring, supplied by others. For mullion top or wall mount installations of the unit, a remote power supply is included to house the electronic components and power the remotely installed fixture. The mullion-mounted linear unit should be installed within 100 ft of remote power supply for typical applications.

## OPTIONS

### 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 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.