

# The Brightest Idea is Emergency Lighting with LEDs

## GENERAL DESCRIPTION

MOE with die cast aluminum housing is designed for exterior use in wet locations but is also often used in interiors with potential hard use situations, such as gymnasiums, or hallways in apartment or condominium complexes. Optional night lighting can be controlled by photocell or switched circuit.



## CONSTRUCTION

- Extremely compact die cast aluminum housing with molded polycarbonate lens. Standard finish white or bronze satin enamel paint; custom colors are available, including brushed aluminum anodized finishes.
- Universal J- Box mounting pattern.
- Contoured prismatic lens generates a uniform lighting pattern over required path of egress.
- Three versions available:
  - BB= Unit equipment with self-contained battery
  - RE= Remote for connection to 24 VDC Central Battery System
  - AC= Remote for connection to AC 120/277 emergency supply.

## ELECTRONICS

- Lamps are connected in parallel. If one lamp fails, one or more lamps will continue in operation.
- Universal 120/ 277 VAC input for standard battery or AC unit, or 24 VDC input for remote configuration.
- Power supply delivers regulated current and voltage to LED lamps at optimum levels to maximize lamp life.
- Automatic battery diagnostics available for all battery models.

## ENERGY EFFICIENT OPERATION

- Emergency lighting with optional dual function operation for night or security lighting.
- Very low power consumption in night/ security mode. The security lighting circuit is independent of emergency lighting and may be switched manually, by an exterior photocell, or Other automatic means.
- Over 50,000 hour lamp life in normal use.
- IES photometric data available for all models.

## CODES

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

## WARRANTY

- 5 year total customer satisfaction warranty. For details see product catalog technical data section.

### FIXTURE SCHEDULE

MODEL	CATALOG NO
APPROVAL	JOB INFORMATION



# Moonlite LED® LED Outdoor Egress Emergency with Night Lighting Option

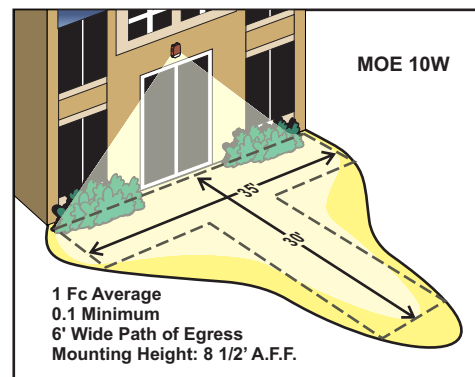
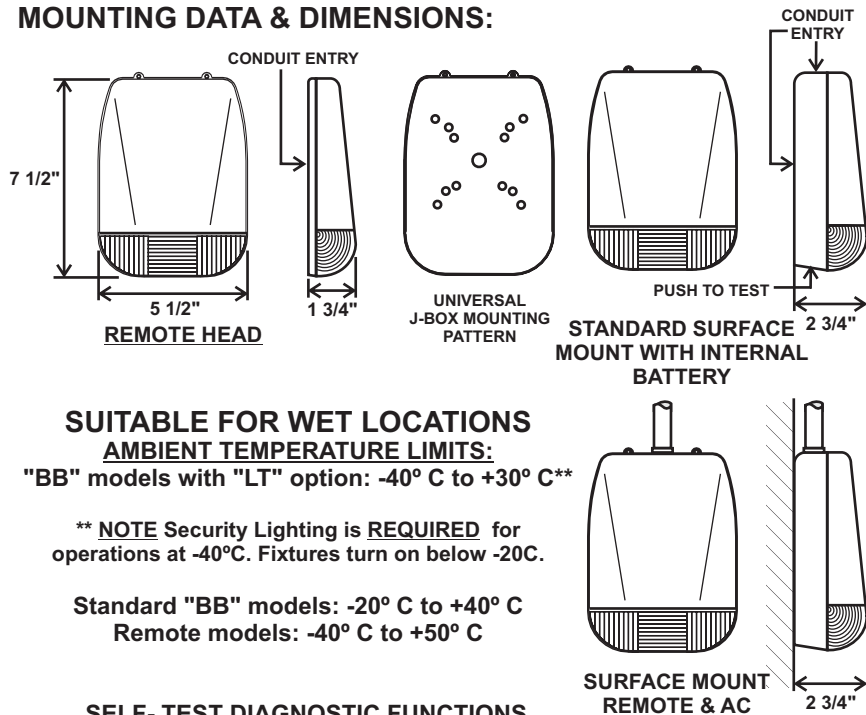
# Exterior Wall Mount Series MOE

MOE.11.20.24

## SUGGESTED SPECIFICATIONS:

Install MOONLITE LED® Series MOE Exterior Wall Mount LED emergency lighting fixture manufactured by Sigtex Inc., available as unit equipment or as a remote device connected to a central battery power source. Upon loss of AC building power, emergency models shall operate for a minimum of 90 minutes in compliance with UL 924 and NFPA 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. Suitable for Wet Locations, with ambient temperature ranges specified below.

## MOUNTING DATA & DIMENSIONS:



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

**CONTACT SIGTEX FOR LAYOUT ASSISTANCE**  
Code Compliant Emergency lighting layouts provided free of charge!

## POWER RATING

MODEL	OPERATION	WATTS	
BB	Emergency	7	10
	SEC/ Normal On	4	5
RE	Emergency	7	10
	SEC- Standard	4	5
	SEC- HPS	7	10
AC	Line Voltage	4	7

## SUITABLE FOR WET LOCATIONS

### AMBIENT TEMPERATURE LIMITS:

"BB" models with "LT" option: -40° C to +30° C\*\*

\*\* NOTE Security Lighting is **REQUIRED** for operations at -40°C. Fixtures turn on below -20C.

Standard "BB" models: -20° C to +40° C

Remote models: -40° C to +50° C

## SELF-TEST DIAGNOSTIC FUNCTIONS

### BB MODELS WITH DG FUNCTION

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

## ORDERING INFORMATION: EXAMPLE: MOERE7W-DP

MOE	RE	7	W	DG
MODEL SERIES	OPERATION	WATTS	HOUSING COLOR	OPTIONS
MOE	BB= Battery Backup RE= Remote with Central Battery System AC= AC Supply 120/277V	<b>BB &amp; RE Models</b> 7 = 7 Watts 10 = 10 Watts  <b>AC Models</b> 4 = 4 Watts 7 = 7 Watts	W=White  B= Bronze  'X'=Custom	CTF= 90° Cutoff DAC= Dual AC Input (AC Models Only) DG= Battery Diagnostics (BB Models Only) HPS= High Power in SEC Mode (RE Models Only) LT= Low Temp -40°C (BB-DG Models Only) PH= Photocell Lighting Control (BB-DG models Only) SM= Surface Mount (RE & AC Models Only) SB120= Security Lighting with Control Switch for Standard BB Operation (120V) SD277= Security Lighting with Control Switch for Standard BB Operation (277V) SD= Security Lighting with Control Switch for BB Operation with DG or LT option (120/ 277V) WD= Wash Down (RE Models Only) TD20= 20 Minute Time Delay



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LIGHTING

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Specifications and Dimensions subject to change without notice.