Signtex Inc LIGHTING
INTELLIGENT EMERGENCY LIGHTING SYSTEMS

PROJECT:	
TYPE:	
CATALOG #:	

LED Outdoor Emergency Egress Lighting With Night Lighting

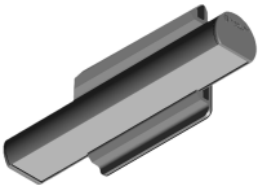
MOONLITE LED®

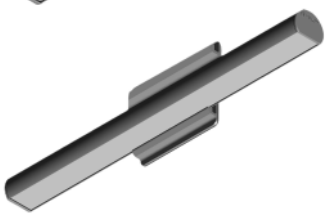
Series MAE

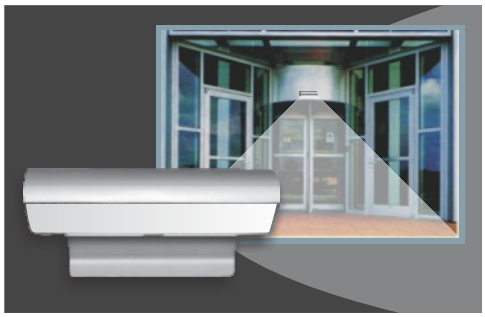
REV #: MAE.11.26.26

User's Manual

Linear LED outdoor egress with emergency lighting, night lighting and Self-test diagnostics with all Battery Backup (BB) models. A dramatic new and compact architectural design, providing powerful emergency and normal lighting for over-door and other exterior locations, The lamp housing and canopy are fabricated from extruded aluminum, in enamel finishes,with rugged sealed diffuser lens and stainless hardware, for wall or ceiling mount.
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

- Extremely low profile, formed aluminum housing. Custom colors are available, including brushed aluminum finishes.
- Uniform elongated lighting pattern over required path of Egress.
- Full 90° cut- off.
- Three versions are available: RE(Central Battery), BB(Battery Backup), and AC(120/277VAC supply)
- 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.

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
- 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.
- Over 50,000 hour lamp life in normal use
- Standard Operating Temperature
  BB: 0°C to 50°C
  AC & RE: -40°C to 50°C

CODES

- Manufactured and tested to UL Standard 924, NFPA Life Safety Code101, and certified to Ip66.

WARRANTY

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

DESIGNED & MADE IN THE USA · 10/5 WARRANTY · Intertek · WET · BABA · BAA

FIXTURE ORDERING INFORMATION *EXAMPLE: MAEBB20AW-SD*

MAE BB 20 A W - SD

SERIES	OPERATION	POWER	HOUSING COLOR	MOUNT	OPTIONS
MAE	**BB** Battery Unit **AC** No Battery **RE** 24V Remote for operation with Central Battery System	**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	**DAC** Dual AC Input (Available only with AC units) **SD** Night Lighting *(BB-20 Models only)*** **REC** RPS Recessed Mount *(BB-20 Models only)* **2EM** 2 Hours Run Time *(BB-20 Models only)* **SFF** Surface Mount Fitted *(RE & BB-20 Models only)* **CW1** 3800K **CW2** 3200K **CW3** 2900K

**** 20 watts battery unit includes RPS see page3.***
***** SD option is standard in 10W, only add on BB-20's.***

LED Outdoor Emergency Egress Lighting

Series MAE

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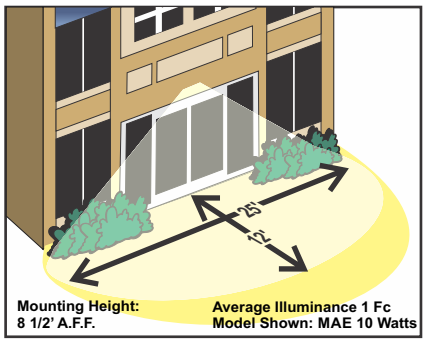
SUGGESTED SPECIFICATIONS:

Install MOONLITE™ Series MAE architectural emergency lighting fixture manufactured by Signtex Lighting, Inc. The MAE assembly shall be listed for installation in wet locations in compliance with UL 924 and IP66 standards, available as unit equipment or as a remote connected to a central battery power source. 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. In remote configuration, 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 available for all models and shall perform all test functions specified by UL 924 and NFPA 101.

SPACING GUIDE



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

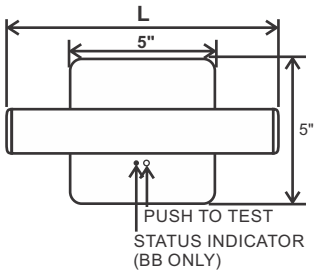
CONTACT SIGNTEX FOR LAYOUT ASSISTANCE

Code Compliant Emergency lighting layouts provided free of charge!

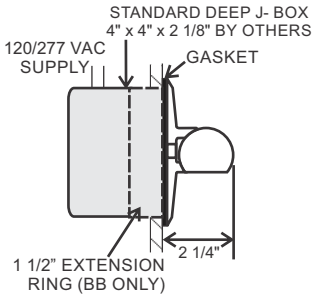
MOUNTING DATA & DIMENSIONS:

1) MAE-BB10, AC & RE MODELS

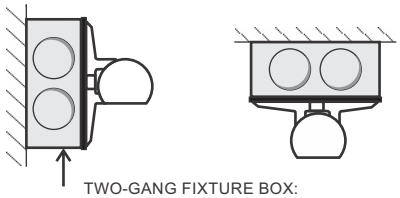
STANDARD



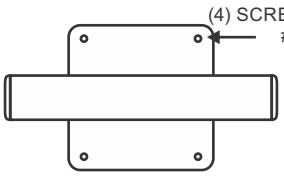
WALL MOUNT

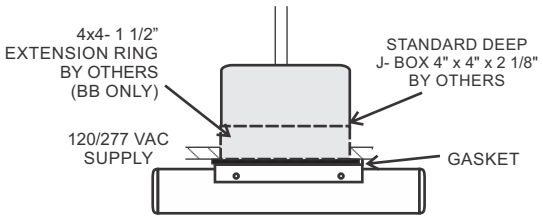


SURFACE MOUNT-FITTED(Option:SSF)
RE Models Only, Not for MAE-BB10 models

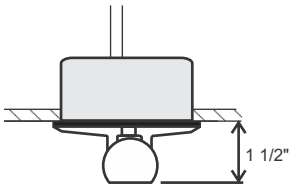


TWO-GANG FIXTURE BOX:
DIE CAST ALUMINUM 2" DEEP 28 CUBIC IN.
(Supplied by others)
EXAMPLE: BELL #5346-0 OR EQUAL





CEILING MOUNT



RECESSED J-BOX
MOUNT

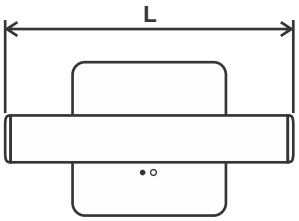
SELF- TEST DIAGNOSTIC FUNCTIONS
BB MODELS WITH DG FUNCTION

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

Length Table

POWER	L
10 Watts	10"
20 Watts*	19"

RE & AC 20 Watts Models



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

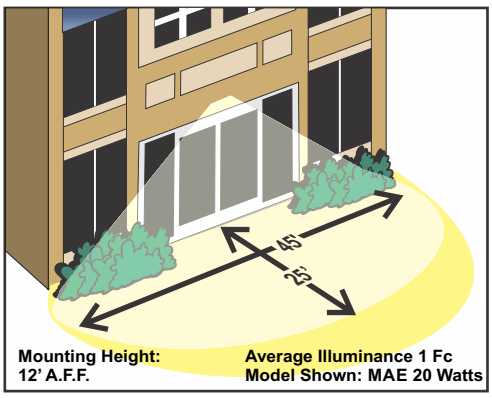
RE MODELS: Requires 'SEC' option in central battery system series CBL or CBM.
BB 20W MODELS: Requires option 'SD' for Security or Night lighting.
BB 10W MODELS: The 'SD' option is standard in 10 Watt models, if not use cap off the switched hot wire.

2) MAE-BB20

MAXIMUM WIRING LENGTH FROM 20 WATTS RPS TO FIXTURE

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

MAE20 SPACING GUIDE



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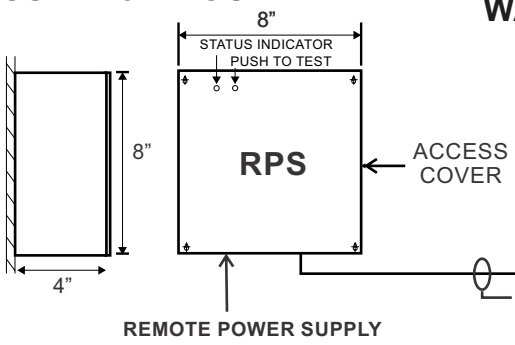
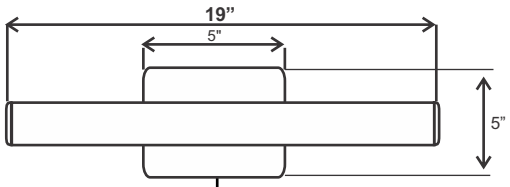
SURFACE MOUNT



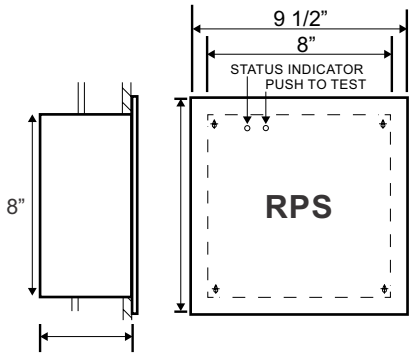
WALL MOUNT



BB Models: 2 Conductors-12VDC

Typical Wiring Specification:
UL AWM Style: Control Cable #20 AWG 300V

RECESS MOUNT (OPTION REC)



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BB MODELS WITH DG FUNCTION

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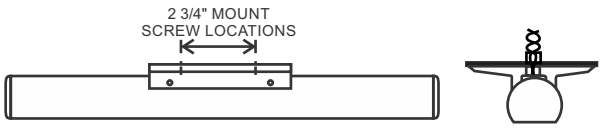
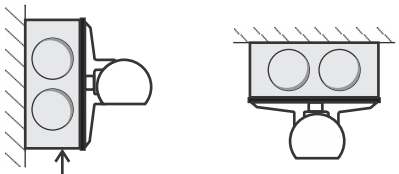
FAILED CHARGER	RED FLASH SLOW

CEILING MOUNT



SURFACE MOUNT-FITTED (Option: SFF)



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DISTRIBUTOR

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Specifications and dimensions subject to change without notice.