

MOONLITE

Dual Function LED Interior Wall Pack with Integral Battery Series MLW (BB)

REV:12.24.06

INSTALLATION INSTRUCTIONS AND OWNER'S MANUAL

Product is supplied assembled. To separate Housing and Base, remove #4-40 screw and slide the housing upward.



BASE ASSBY

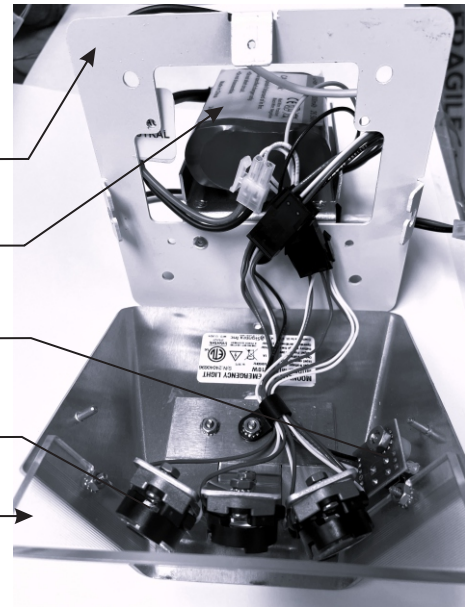
BATTERY
PACK

TEST PANEL
ASSBY

LEDS

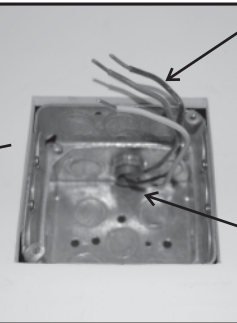
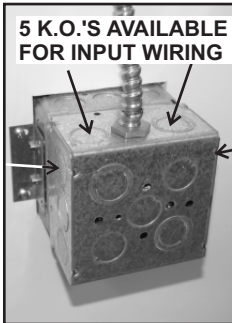
LENS

HOUSING
"X" COLOR



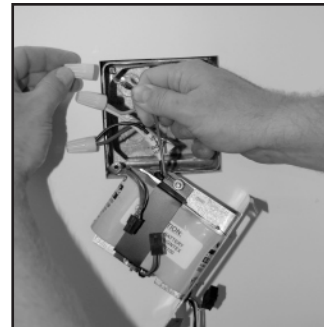
UP
↑

5 K.O.'S AVAILABLE
FOR INPUT WIRING



TRIM TO 7" MAX
INSIDE BOX

SHARP BEND
TO RIGHT



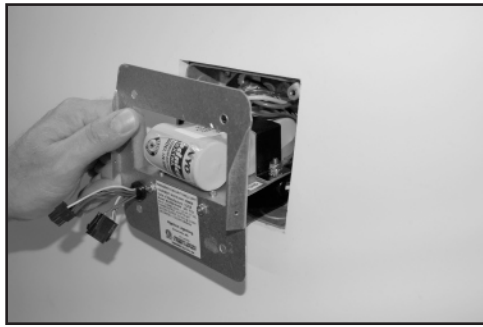
1. Install standard 4" x 4" x 2 1/8" DEEP J-box, together with 1 1/2" extension ring. AC power input wiring can be routed through 5 KO locations in lower J-Box, as shown above. **TRIM AC INPUT WIRING TO LENGTH AND SHAPE AS SHOWN**

2. Make AC wiring connections to Base Plate Assembly with standard wire nuts.
BLACK: 120/277 VAC Universal Input
WHITE: NEUTRAL
GREEN: GROUND (terminal on bracket)
BLK/WHT: 120/277V SWITCH LEG (SEC OPTION)

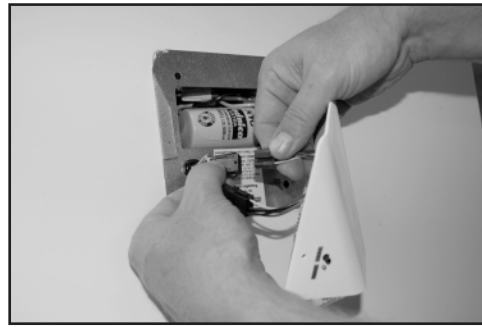
IMPORTANT SAFEGUARDS READ AND FOLLOW ALL SAFETY INSTRUCTIONS

1. Disconnect AC power before servicing.
2. Refer to wiring diagram for proper connections.
3. All servicing should be performed by qualified personnel.
4. Consult your local building code for approved wiring and installation.
5. Do not use outdoors.
6. Do not use this equipment for other than intended use.
7. Do not let power cords touch hot surfaces.
8. Mount and secure the fixture at a location and height to avoid ready access and tampering by unauthorized persons.
9. The use of accessory equipment is not recommended by the manufacturer and may cause an unsafe condition.

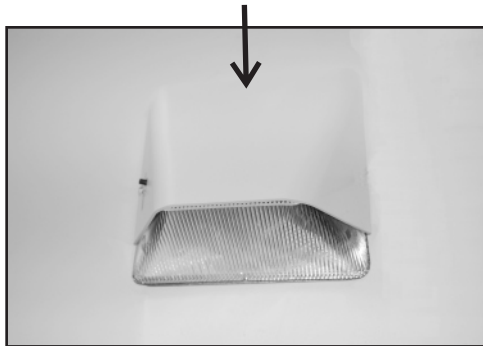
SAVE THESE INSTRUCTIONS



3. Connect polarized battery plug and install Base Plate Assembly into J-Box. Route AC wiring and wire nuts into space above battery.

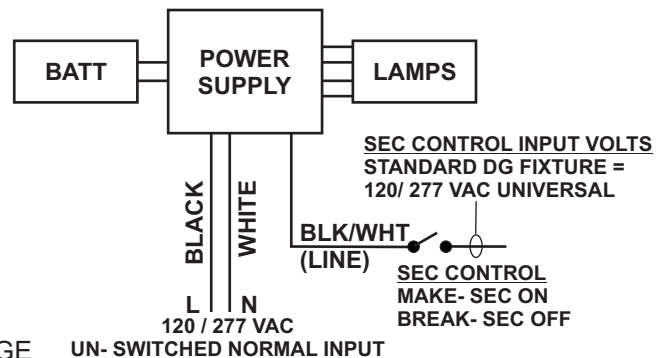


4. Connect polarized plugs for Test Panel and LED lamps. **NOTE: IF AC BUILDING POWER IS NOT SUPPLIED, THE FIXTURE WILL OPERATE IN EMERGENCY MODE. TO MINIMIZE BATTERY DISCHARGE, TURN AC POWER ON WHEN WIRING CONNECTIONS ARE COMPLETE.**



5. Locate housing pins in slots provided in base, move downwards to lock & secure with one #4-40 screw provided. Apply AC line power, check the LED Status Light is illuminated GREEN OR ORANGE and press the PUSH TO TEST to check lamp operation in emergency mode

SECURITY LIGHTING SWITCH CONTROL OPTION



SELF- TEST DIAGNOSTICS

1. Install Emergency lighting according to the instructions on page 1-2. Once the AC power is supplied to fixture, the unit will automatically initiate a self-Test and self-diagnostic test as follows.

- Verifies battery disconnection, Charger failure, Load failure.
- One-minute self-testing(Battery discharging test) every month.
- 90 minutes self-testing (Battery discharging test) every year.

2. Dual color LED lamp shows the following status:

TEST FUNCTIONS	NORMAL or PASS	FAULT
Battery	GREEN OR AMBER	RED FLASH
Transfer Switch	No indication	ORANGE FLASH
Charger Status	No indication	RED FLASH
Connected Load Status	No indication	GREEN FLASH

CHARGE RATE

Normal Full Charge STEADY GREEN

Normal Fast Charge STEADY ORANGE

MONTHLY TEST: 1 MINUTE LAMP OPERATION

ANNUAL TEST: 90 MINUTES LAMP OPERATION

12 months from the date of installation, an annual test is required by initiating full operation of the emergency load for 90 minutes, in compliance with NFPA Life Safety Code 101.

(1) **Standard System:** Periodic diagnostic tests will start at the same time the system was first activated with AC power.

NOTE: To avoid operation of emergency lighting at potentially undesirable times, automatic operation can be disabled by specification of Option "NAT", as designated in the Model Number Label. If such option is supplied, the annual test must be activated manually.

TESTING EMERGENCY OPERATION

Press the PUSH TO TEST button(3 seconds) to operate fixture in emergency mode for one minute test. Lamp can be checked visually during this period. Alternatively; (a) AC power to the fixture may be interrupted by qualified personnel.

Self-test Diagnostic Functions
(BB models)

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