Important Information

This manual contains safety information, please read carefully and follow the instruction strictly.

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

All servicing should be performed by qualified personnel only.
Do not mount near any heat producing equipment. Equipment should be mounted in locations and at heights where it will not be readily subjected to tampering by unauthorized personnel.
The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition. Do not use this equipment for other than intended use.

WARNING: INSTALLATION & SECONDARY RETENTION

Improper installation and handle, including secondary safety retention/securing/netting, may cause severe injury or death. We recommends that all installations should use secondary retention and/or safety netting (appropriate to the installation environment) where applicable. It is the exclusive responsibility of the contractor, installer and/or end customer to: (a) determine the suitability of the product for its intended application; and, (b) ensure that the product is installed safely (with secondary retention and/or safety netting where appropriate) and in compliance with all applicable laws and regulations. To the extent permissible under the relevant law, we disclaims all responsibility for personal injury and/or other damage resulting from any dislodgement or other dislocation of this product.



WARNING:

To avoid the risks of fire, explosion, or electric shock, this product should be installed, inspected, and maintained by a qualified electrician in accordance with all applicable electrical rules and regulations.

Safety Instruction:

1. Be certain, the electrical power is OFF before and during installation and maintenance.
2. Make sure the supply voltage is the same as the rated luminaire voltage.
3. The technical data indicated on the LED luminaires are to be observed.
4. Any change on the design and modifications to the LED luminaire are not permitted.
5. Observe the national/regional electrical safety rules and regulations during installation.
6. No user replaceable parts, for repair or replacement of parts return luminaire to manufacturer.
7. All wiring connections should be capped with UL approved wire connectors.
8. Luminaire MUST be well grounded.
9. Any combustible materials MUST be kept away from the luminaire.
10. Min 90°C supply conductors.

Maintenance:

1. To avoid personal injury, before maintaining, disconnect the light first, and then wait for the luminaire temperature dropping into the safe range.
2. All parts must be checked by mechanical means to ensure they are properly assembled.

3. The external glass should be cleaned regularly to ensure continued luminaire performance. Wipe the glass with a clean, wet, non-abrasive, and lint-free cloth. If this is not sufficient, use mild soap or liquid cleaner. Do NOT use an abrasive, strong alkaline or acid detergent which might damage the luminaire.
4. Visual, electrical and mechanical inspections on the luminaire should be on a regular basis. We highly suggest that this routine inspection should be done at least once a year. The environment condition, where the luminaire installed, determines the frequency of inspection.
5. All electric connections MUST be checked and ensured that they are clean and firm.

SELF-TESTING:

The integrated Self- Diagnostic circuitry will automatically conduct monthly 30-second and annual 90-minute tests to verify proper emergency capability per Life Safety Code requirements. NFPA 101, Life Safety Code Outlines the following schedule.

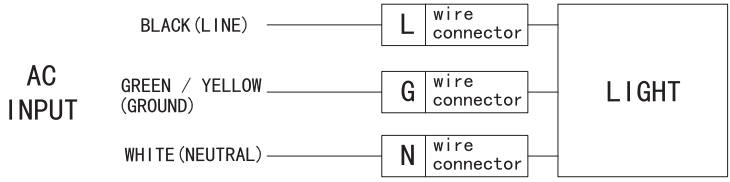
• **Monthly** - During AC mode, the system conducts a (30)seconds self-discharge test of the emergency led driver every 30 days.And automatically restore to normal charging after (30)seconds dis-charged.

• **Annually** - During AC mode, the system conducts a (90)minutes self-discharge test of the emergency led driver every 365 days.And automatically restore to normal charging after fully dis-charged.

Electrical Connections

WARNING:

1. Cut off the electric power supply from the circuit breaker or the fuse before wiring luminaire to the circuit.
2. Do not connect the dimming wires.
3. Do not operate lamp in access of rated voltage and protect lamp against abrasion and scratches. Disposeof lamp properly.
4. The connections are marked on the wire connector or on a label and are presented figure below.



Installation & Operation

1. Loosen the M4 Socket head cap screws on the Tank Cover.
2. Attach the Tank to the 3/4" NPT conduit.
3. Thread the wire through conduit, and connect to wire connector.
4. Re-attach the Tank cover and tight it by M4 Socket head cap screws with torque value 3 N-m.
5. Check the tightness of conduit and Tank.
6. The maximum mounting height:
   8.98 ft (2.7 m) for model BEACON-02-U;
   13.96 ft (4.2 m) for model BEACON-03-U.

INSTALL THE REMOTE TEST SWITCH IN ORDINARY OR NON-HAZARDOUS LOCATION

This luminaire has provision to install a remote mounted test switch for the battery.
The remote test switch shall complywith the following:

1. The remote test switch shall be certified for the area where it is to be installed (ordinary or non hazardous locations).
2. The remote test switch shall be a manually operated type.
3. The remote test switch shall be of:
   a. Operated type and of momentary-contact type ,or
   b. Maintained-break type that opens all ungrounded conductors and be accessible to authorized person.
4. The remote test switch shall be installed using acceptable wiring methods for the areas involved in accordance with the NEC.
5. The remote test switch shall be identified as to its function (i.e. – marked"Emergency Luminaire Test Switch").
6. When the remote test switch is installed, it has be connected such that when it is depressed it provides a transfer function,disconnects and isolates the normal input from the emergency input.

NOTE:

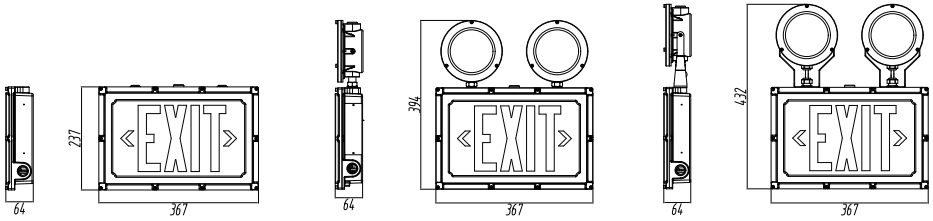
If emergency lights do not operate initially, allow battery to charge for 15 minutes or more, then repeat the test procedure.

OPERATION (INDICATOR STATUS)

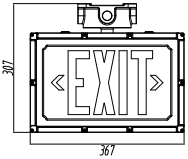
Mode	Test Button Operation	Indicator Status	Comment & Solutions
AC MODE (1)	NO press	Permanent green	Emergency LED driver is charging
AC MODE (2)	press once	Fast flashing green (0.1s on, 0.1s off)	Emergency LED driver is conducting a 30s short-term emergency test, After 30 seconds, it will automatically restore to normal charging mode
AC MODE (3)	press twice (2s) in sequence	Slow flashing green (1s on, 1s off)	Emergency LED driver is conducting a long-term emergency test until battery is fully discharged
EMERGENCY MODE	NO Press	Slow flashing green (2s on, 2s off)	Emergency LED driver is conducting a long-term emergency
AC MODE (4)	/	Slow flashing red (0.1s on, 0.1s off)	Battery over charge fault
AC MODE (5)	/	Slow flashing red (1s on, 1s off)	No battery
WARNING Risk of Electric Shock 		**Note:** Please press once test button to make certain the battery is turned off, before installation, maintenance, storage or shipping.	

Technical Diagrams

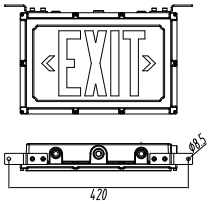
Dimensions: mm



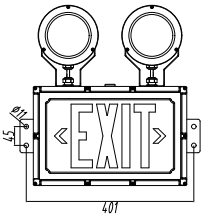
Ceiling

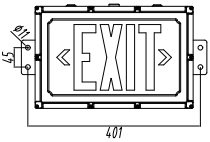


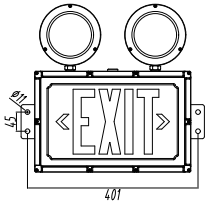
Ceiling-Bracket



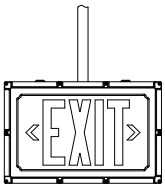
Wall



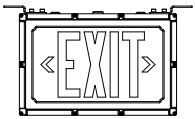




Installation



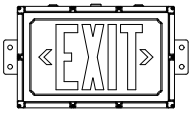
Pendant



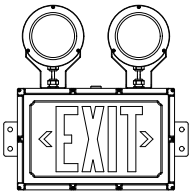
Ceiling



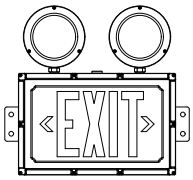
Ceiling



Wall



Wall



Wall

Pendant:

Fix the light installation and wiring.



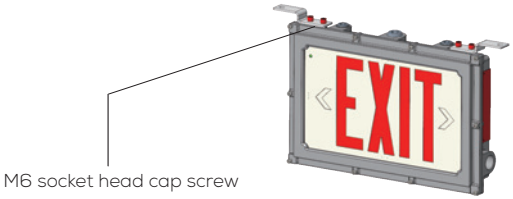
Ceiling:

Fix the light installation and wiring.



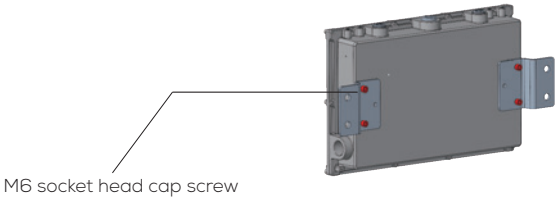
Ceiling-Bracket:

1. Fix the bracket on the lamp with M6 screws, Torque: 7 N-m;
2. Mount the luminaire;
3. Connect wires to the wire connector.



Wall:

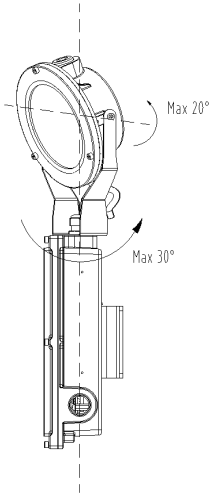
1. Mount the luminaire with M6 screws; Torque: 7 N-m.
2. Fix bracket to wall.
3. Connect wires to the wire connector



* NPT3/4 threads need to be reliably installed to ensure the waterproof performance of the Luminaire.

Installation diagram:

Maximum adjustment Angle



Models:

Models GH; followed by E; followed by -01, 02, 03

Model	Charge Wattage	Uncharge Wattage	Voltage	Frequency	Ambient	Emergency Run Time	Recharge Time
EXT-01-U	8W	5W	100-277Vac	50/60 Hz	0 to 50°C	>90mins	24h
EXT-02-U	8W	5W	100-277Vac				
EXT-03-U	8W	5W	100-277Vac				

Model	Charge Wattage	Uncharge Wattage	Voltage	Frequency	Ambient	Emergency Run Time	Recharge Time
EXT-01-U	36W	32W	100-277Vac	50/60 Hz	-35°C to 50°C	>90mins	24h
EXT-02-U	36W	32W	100-277Vac		-20°C to 50°C		

General Information:

Model **EXT** is suitable for use in the following hazardous (classified) areas as defined by the National Electrical Code (NEC) and Canadian Electrical Code (CEC):
Class I, Division 2 Groups A B C D

Refer to the luminaire nameplate for specific classification information, maximum ambient temperature suitability and corresponding operating temperature (T-Code).