

CWE-N INSTALLATION

WARNINGS AND INSTRUCTIONS FOR LUMINAIRES

IMPORTANT: FOR YOUR PROTECTION, YOU MUST CAREFULLY READ ALL WARNINGS AND INSTRUCTIONS IN THEIR ENTIRETY PRIOR TO INSTALLATION, OPERATION, SERVICE, OR MAINTENANCE. FAILURE TO DO SO CAN RESULT IN DEATH, PERSONAL INJURY AND PROPERTY DAMAGE. If you do not understand these warnings and instructions, or if additional information is desired, please contact the Customer Care Call Center at 800-555-0050.

- Installation, service, and maintenance of luminaires must be performed by a qualified professional and in accordance with all federal, state, and local laws, regulations, and electrical codes. This professional should be familiar with the construction and operation of this product and any hazards involved. If not qualified, do not attempt installation, service or maintenance.
- To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, cuts, abrasions, and other hazards, please read all warnings and instructions included with the luminaire, on the luminaire's packaging and affixed to the luminaire itself.
- Maintenance of the luminaires should be performed by person(s) familiar with the luminaire's construction and operation and any hazards involved.



WARNING

RISK OF FIRE, ELECTRIC SHOCK OR PERSONAL INJURY

- Disconnect or turn off power before attempting any installation, service or maintenance.
- Verify that supply voltage is correct by referencing the luminaire label information.
- Make all electrical and ground connections in accordance with the National Electrical Code (NEC) and any other applicable laws, regulations, or codes.
- All wiring connections should be capped with UL-approved wire connectors.



WARNING

RISK OF PERSONAL INJURY

- Wear gloves and safety glasses at all times when removing luminaire from carton, installing, servicing or performing maintenance.
- Avoid direct eye exposure to the light source while it is on.



WARNING

RISK OF PERSONAL INJURY

- Keep combustible materials away from LED/lamp & lens.
- Do not operate in close proximity to persons, combustible materials or substances affected by heat or drying.



WARNING

RISK OF FIRE, ELECTRIC SHOCK OR PERSONAL INJURY

- Allow LED/lamp & lens to cool before handling.
- Do not touch enclosure or light source.
- Do not exceed maximum wattage marked on luminaire label.
- Follow all manufacturer's warnings, recommendations, instructions, and restrictions for driver type, burning position, mounting locations and replacement.



CAUTION

RISK OF PRODUCT DAMAGE

- Never connect luminaires and/or components under load with supply voltage turned on.
 - Do not mount or support these luminaires in a manner that can cut the outer jacket or damage wire insulation.
 - Do not restrict fixture ventilation. Allow for some volume of airspace around the luminaire. Avoid covering the luminaire with insulation, foam, or other material that will prevent convection or conduction cooling.
 - Do not exceed luminaire maximum ambient temperature.
 - Do not modify the luminaire.
 - Only use luminaire in its intended application and location.
 - LED products are polarity sensitive. Ensure proper polarity before installation.
 - Electrostatic Discharge (ESD) can damage LED. Personal grounding equipment must be worn during all installation and servicing of the luminaire.
 - Do not touch individual electrical components as this can cause ESD, shorten LED life, or impact LED performance.
- Some components inside the luminaire may not be serviceable. In the unlikely event, your luminaire may require service, stop using it immediately and contact the Customer Care Call Center at 800-555-0050.
- Always read the luminaire's complete installation instructions prior to installation for any additional luminaire-specific warnings.
 - In the case of HID or Fluorescent luminaires, regular re-lamping is required to keep the luminaire operating within safe limits.
 - **Do not install damaged products.** Handling and installing damaged products can potentially increase the risks mentioned. In case of damage and/or missing parts upon arrival of the luminaire, please contact the Customer Care Call Center at 800-555-0050.
 - These instructions do not purport to cover all details or variations in equipment nor to provide every possible contingency to meet in connection with installation, operation, or maintenance. Should further information be desired, or should particular problems arise which are not covered sufficiently for the purchaser's or owner's purposes, this matter should be referred to the Customer Care Call Center at 800-555-0050.
 - Please see luminaire-specific Installation and Maintenance Instruction for additional warnings or any applicable FCC or regulatory statements. Failure to follow any of these instructions could void luminaire warranties.

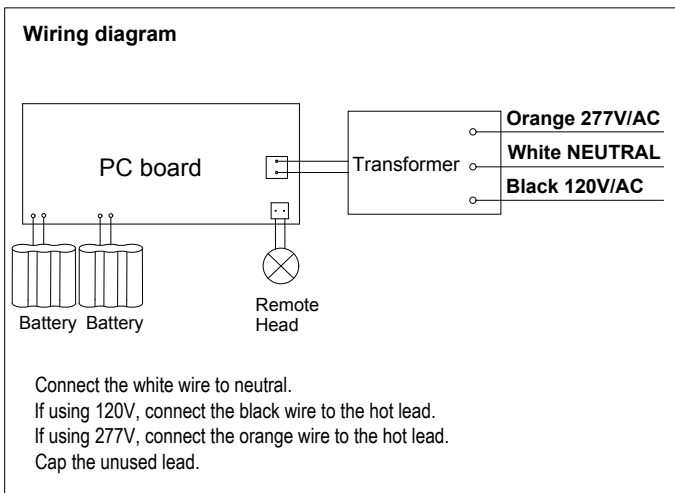
Luminaire Maintenance

- Regular luminaire maintenance programs are recommended.
- It is recommended to clean the outside of the luminaire and the refractor/lens.
- Frequency of cleaning will depend on ambient dirt level and minimum light output which is acceptable to the user.
- If clean water is not sufficient for cleaning, use a neutral, synthetic, non-scratching, and non-abrasive cleaning substance.
- Never use alkaline and/or acetous cleaning substances.
- Make sure that the cleaning substance is carefully removed by rinsing with lots of clean water.
- Signify recommends using a cleaning solution that has a PH between 5 and 8.
- Recycle: For information on how to recycle electronic products and components, please visit www.epa.gov.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

Mounting Instructions



Open front cover

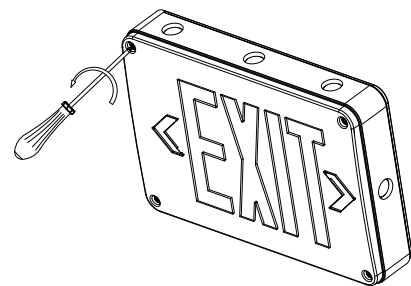


Fig 1

Wall Mounting (see Fig 2)

1. Open front cover by screwdriver (see Fig 1).
2. Knock out center and appropriate mounting screw holes on the back plate, paste gasket on back of back plate.
3. Feed building power supply wires through the center hole, fix back plate to waterproof type junction box by screws.
4. Make correct electrical connections inside of fixture according wiring diagram.
5. Push excess wires into junction box.
6. Attach battery connector to PC board.
7. Snap chevron to EXIT panel if required, restore front panel on unit.

Wall mount

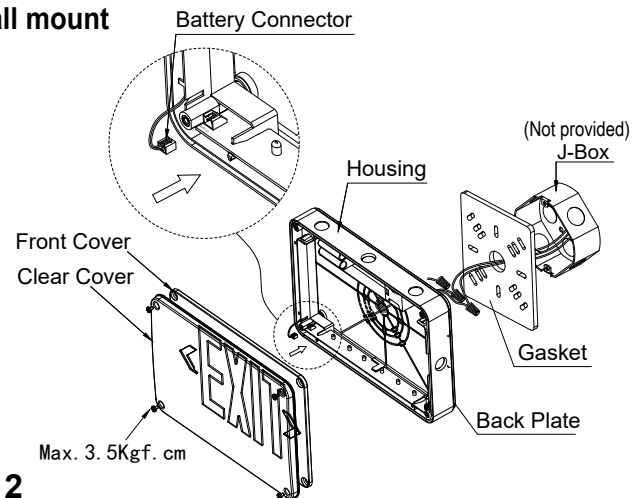


Fig 2

Side /Ceiling Mounting(see Fig 3/4)

1. Attach crossbar to junction box, set the crossbar so that the longer blade is touching the waterproof type junction box.
2. Open front cover by screwdriver.
3. If double face is desired, replace back plate with additional face plate provided.
4. Knock out the mounting hole on the top or side of the unit, assemble the canopy on the unit (see Fig 5).
5. Route the proper wires through mounting hole out of housing .
6. Make electrical connections inside the J-Box as wiring diagram.
7. Fasten crossbar on J-box by screws provided.
8. Paste gasket on canopy, then fasten canopy to crossbar and against to the wall.
9. Snap chevron to EXIT panel if required.
10. Attach battery connector to PC board, restore front panel on unit.

Side mount

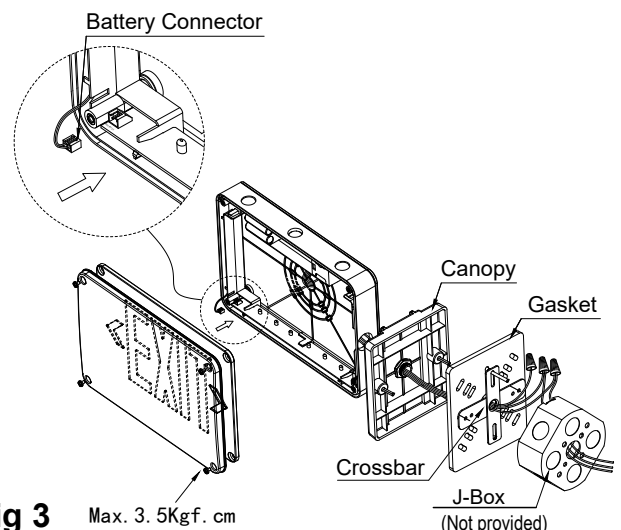


Fig 3

CWE-N INSTALLATION

Canopy assembly

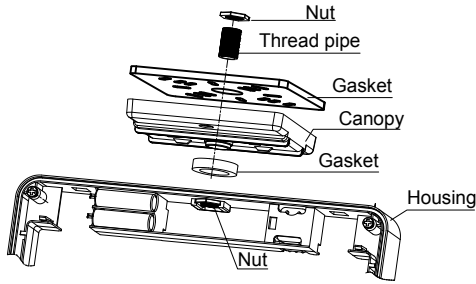


Fig 5 Use provided thread pipe and 2 nut fix canopy on unit, put gasket between unit and canopy.

Ceiling mount

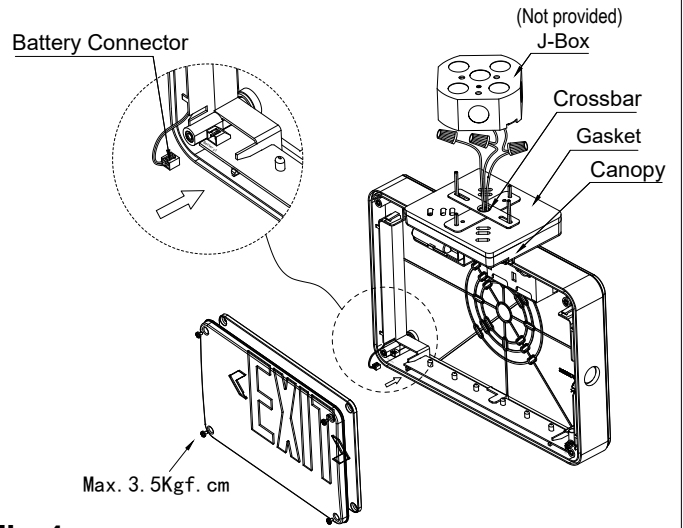


Fig 4

Battery Replacement instructions

Caution:

Make sure the new battery corresponds with the model number described for this device.

1. Open front cover by screwdriver (see Fig 1).
2. Disconnect the battery terminal from PC board and remove the battery (see Fig 6).
3. Assemble the new battery into the unit.
4. Connect the battery terminal to PC board (see Fig 7).
5. Restore front cover on unit.

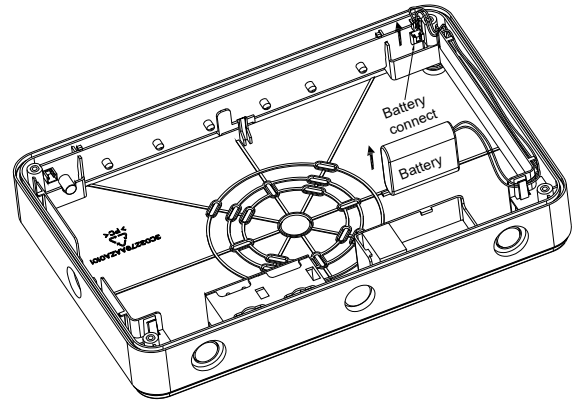


Fig 6

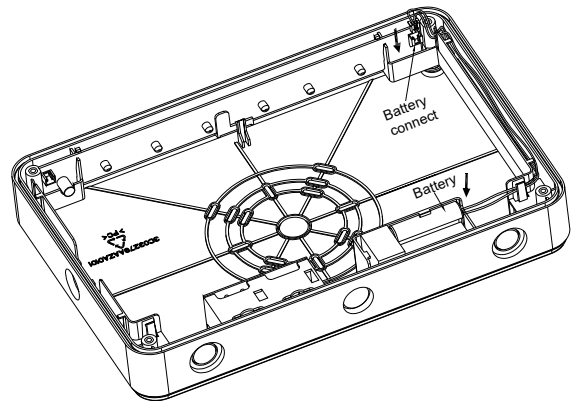


Fig 7

CWE-N INSTALLATION INSTRUCTION

SELF-DIAGNOSTICS / SELF-TEST OPTION

SAVE THESE INSTRUCTIONS

1. When AC power is supplied to fixture, the unit will automatically initiate self-test and self-diagnostic test as follows:

- (1) Verifies battery disconnection, charger board failure at every 5 seconds.
- (2) 1 minute self-testing every month.
- (3) 90 minutes self-testing on every 12 months after installation.

2. Dual color LED lamp indicator shows the following status:

- (1) Green color On / Ready
 blinking: Testing
- (2) Red color (Service Alert)
- (3) Service Alert LED Code (Red color LED lamp indicator)

●	One blink, 4 second pause	Battery not connected
● ●	Two blinks, 4 second pause	Battery failure (discharge time shortage)
● ● ●	Three blinks, 4 second pause	Charger board circuit failure
● ● ● ●	Four blinks, 4 second pause	Transfer function failure
● ● ● ● ●	Five blinks, 4 second pause	Integral lamp failure (for emergency luminaire)
● ● ● ● ● ●	Six blinks, 4 second pause	Remote heads failure (option)
● ● ● ● ● ● ●	Seven blinks, 4 second pause	LED strip failure (just for exit sign)

NOTICE

After solving the fault of emergency equipment, please press test button for 2 seconds without releasing to reset. LED indicator will show green.

3. Self-testing / self-diagnostic also have manual test function, press test button as follows:

Press test button once	30 seconds discharge test
Press test button twice within 2 seconds	3 minutes discharge test
Press test button 3 times within 2 seconds	30 minutes discharge test
Press test button 4 times within 2 seconds	90 minutes discharge test