

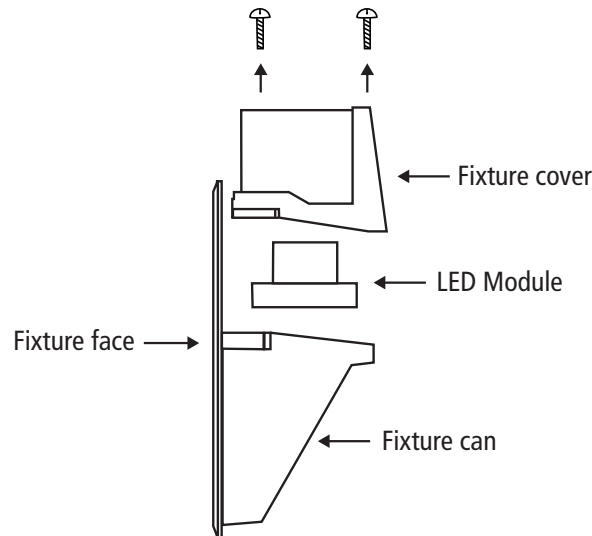
## MOUNTING AND WIRING INSTRUCTIONS

- 1) Select a mounting location for the LED Reflective Light. Fixture should be within reach of 110VAC power, located approximately 9" above the floor in a step/aisle light application, and situated at the best location along the mounting surface for the illumination task.
- 2) Cut a 6-1/2" (W) x 4-1/2" (H) x 3-1/2" (D) hole in mounting surface, bottom of hole 9" above illumination surface.
- 3) Place can in hole and mark the position of the two mounting screws. Remove can and drill a pilot hole for the screws, or a hole for the wall anchors. Install anchors (if applicable).
- 4) Bring the 110VAC Romex wire through hole with 16" of workable wire outside mounting hole.
- 5) Remove LED Reflective Light Cover by unscrewing the three bolts holding cover to can.
- 6) Place all parts in a secure location until reassembly.
- 7) Attach one (for single fixture applications), or two (for multiple fixture applications), appropriate strain reliefs in knockout holes at back of cover.
- 8) Bring incoming 110VAC Romex-type wire through one strain relief.
- 9) Strip 1/3" (8mm) of the insulation off each incoming 110V power wire. Connect white incoming 110V power wire (neutral wire) to push-in connector on white wire from LED module. Connect black incoming 110V wire to push-in connector on black wire from LED Module. Connect ground wire to push-in connector on green wire screwed into can. Push all wires firmly down into connectors, so that uninsulated wire is not exposed.

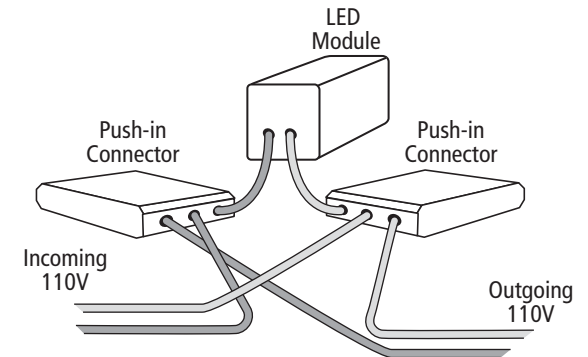
- 10) For multiple fixture installations (through wire), bring outgoing 110VAC Romex-type wire through the other strain relief. Strip insulation off conductors as per instructions above, and wire outgoing 110VAC as per adjacent diagram:

Do not interconnect (through wire) more than 250 LED Reflective Light fixtures on one 110VAC tap.

- 11) After verifying all connections are correct and secure, gently pull excess wire out of cover so that LED Module seats into correct position, and firmly tighten nuts on strain reliefs.
- 12) Assure correct placement of all "O" rings and reattach cover to frame of LED Reflective Light by installing and tightening three cover bolts.
- 13) Reinstall LED Reflective Light into mounting hole and attach with the two provided mounting screws.



SIDE VIEW



- 14) After system is entirely installed, apply power and check for illumination.

## REPLACEMENT OF LED MODULE

**Field replacement of the LED Module is not allowed by UL standards at this time. If you encounter a problem with the LED Module:**

- 1) Turn off all power to the LED Reflective Light.
- 2) With test lamp verify power is coming through to LED Reflective Light fixture circuit.
- 3) Verify wiring and connections: black wire to black LED wire push-in connector, white power wire to white LED wire push-in connector, and green ground wire to green wire push-in connector. Make sure all conductors have 1/3" of insulation stripped off and are fully seated into push-in connector.

If above have been proven correct, turn off power to the fixture, remove fixture from mounting surface, cut incoming power wire, return fixture to place of purchase for replacement.

## WARNING AND CAUTIONS

**CAUTION!** Only qualified electricians, or people familiar with household electrical circuits, should bring 110V power to the fixture. Wiring may require an inspection by the local building department. Check with your local building department before installation.

**CAUTION!** Before bringing 110V power to the fixture, make sure incoming wire is not "hot" and all power coming to the wire is off.

**CAUTION!** All connections must be made in accordance with this instruction manual, current NEC, and all local building codes. Minimum 75°C supply conductors.

**CAUTION!** Use RTV silicone and water-tight fittings on all connections to fixture.

**CAUTION!** Do not interconnect (through wire) more than 250 LED Reflective Light fixtures on one 110VAC tap.

## SPECIFICATIONS

Electrical Rating: 110VAC, 25mA, 2.5 watts

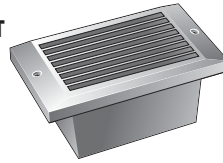
Average LED Life: 60,000 hours

Maximum Fixtures  
per one 110VAC Tap: 250

UL Listing: UL Listed for wet  
and IC locations.  
Wall mount only.

## OTHER LED PRODUCTS FROM NSL

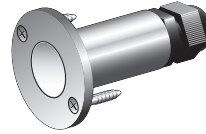
### LED STEP LIGHT



 **UL** **US**  
**LISTED**  
Wet, IC, Ceiling &  
Shower Locations

Long lasting LED technology in a die cast aluminum step light fixture.

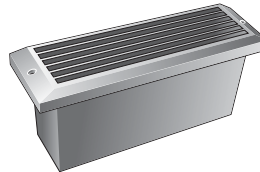
### LED MINIDISC LIGHT



 **UL** **US**  
**LISTED**  
Wet, IC &  
Direct Burial  
Locations

The perfect mini light for outlining and illuminating architectural features.

### LED BRICK LIGHT



 **UL** **US**  
**LISTED**  
Wet & IC  
Locations

Long lasting LED technology in a brick-sized die cast aluminum fixture.

### MICRO LED LIGHT STRIP



 **UL** **US**  
**LISTED**  
Wet location

Embedded LED/chip technology extruded in a flexible light strip.

## INSTALLATION & SAFETY INSTRUCTIONS

# LED REFLECTIVE LIGHT



## APPLICATIONS

Interior Steps  
Exterior Steps  
Aisles  
Halls  
Paths  
Patio Lighting  
Entry Lighting  
Post Lighting

**NATIONAL SPECIALTY LIGHTING**  
ARCHITECTURAL AND DECORATIVE LIGHTING

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10/08

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 **UL** **US**  
**LISTED**  
IC Locations