

## WARNING!

### TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR INJURY TO PERSONS:

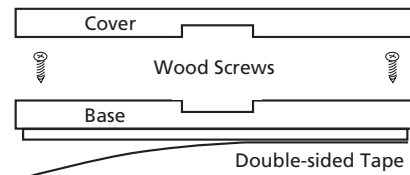
1. Turn off/unplug before mounting, interconnecting fixtures, or replacing LED module.
2. Do not look directly into LEDs when lit.
3. Do not operate fixture(s) with missing or damaged parts.
4. Do not install fixture(s) in any unventilated compartment. Do not recess fixtures in any material. Surface mount only.
5. Use only LED Power Supply, NSL part number LMS-24-18W3K, to power fixture(s).
6. Use only wiring harness included to join fixtures to LED Driver and to interconnect fixtures.
7. UL listed Damp Location for under cabinet, cabinet, and shelf mount only.
8. Securely mount with included double-sided tape and/or wood screws. Wood screws offer a more permanent temperature resistant option, and are required for all wood installations.
9. Not for use with dimmers.
10. Properly dispose of all small parts and packing material. Small parts and packing material may be hazardous to children.
11. The low voltage portable cabinet light may be installed inside or under a kitchen cabinet or other built-in furniture when:
  - A. The low voltage Class 2 power supply is located outside the cabinet and is not concealed; and,
  - B. The line voltage power supply cord is not concealed or run through openings in the cabinet, walls, ceilings, or floors. This requirement does not apply to the wiring between the cabinet light and the power unit.

The National Electric Code (NEC) does not permit cords to be concealed where damage to insulation may go unnoticed. To prevent fire danger, do not run cord behind walls, ceilings, soffits, or cabinets where it may be inaccessible for examination. Cords should be visually examined periodically and immediately replaced when any damage is noted.

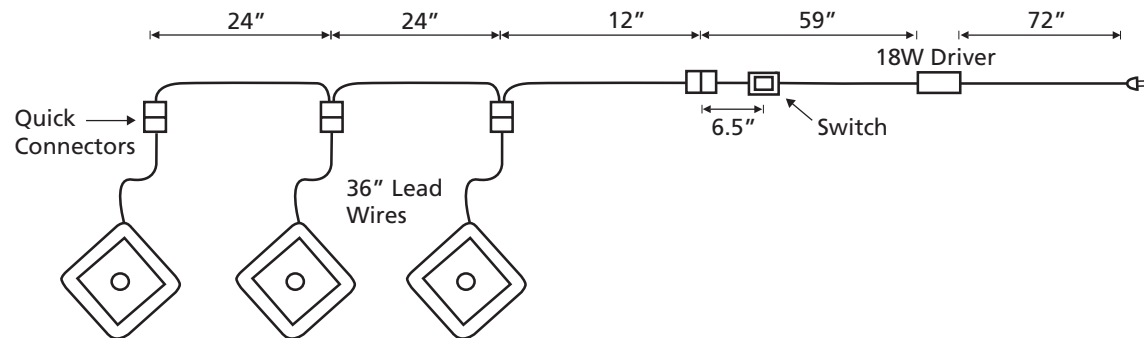
## INSTALLATION GUIDE

1. Each LED Mini Star ships with the fixture, attached double-sided mounting tape, and two wood mounting screws.
2. The complete system includes an LED Power Supply, wiring harness to interconnect the system, and three fixtures.
3. Lay out the entire system without mounting any of the parts. With the system laid out, make sure you have all the required parts keeping in mind the LED power Supply must be mounted within 5.5 feet of a wall outlet.

## INSTALLATION SCHEMATIC



## WIRING SCHEMATIC



4. Install fixtures as per the following two options:
  - A. Double-Sided Tape (Glass & Metal Surfaces)
    - (1) Clean mounting surface.
    - (2) Remove paper backing on double-sided tape.
    - (3) Firmly apply fixture to mounting surface.
  - B. Wood Screws (Wood Surfaces)
    - (1) Clean mounting surface.
    - (2) Remove fixture cover (see #1 and #5 in Relamping LED Module on reverse side).
    - (3) Remove paper backing on double-side tape.
    - (4) Firmly apply fixture to mounting surface to temporarily hold in place.
    - (5) Permanently attach fixture to mounting surface using two included wood screws.
    - (6) Replace fixture cover.
5. Assure power supply is unplugged.
6. Interconnect LED Power Supply to the fixtures by plugging the wiring harness from the power supply into each fixture. Note that "quick connector" fittings only join together one way, square-to-square and round-to-round. Push connector pieces together until top lever clicks shut. Affix lead wires to mounting surface with included wire screw clips.
7. Passing a quick connector through a cabinet will require a 1/2" diameter hole to be drilled.
8. No wire from the 18W LED Driver, wiring harness, or fixture should ever penetrate any wall. Low voltage wiring harness and low voltage fixture wires may penetrate through openings in cabinets with access permitting inspection to all interior spaces. See Warning #11.
9. Plug in 18 watt power supply and turn on switch.

## SPECIFICATIONS

Fixture Dimensions	3" x 3" x 1/2"
Cover Finish	White, Black, Bronze, Aluminum
Base Finish	Aluminum
Wiring Harness	12" lead to molded quick connectors, 24" between fixture connectors, each fixture has 36" leads. See wiring schematic.
Cord Color	White
Fixtures Per LED Power Supply	3 fixtures
Voltage	24 volt direct current
Wattage	3.5 watts per fixture
LED Color Temperature	2900K +/- 200K
Mounting	Doubled-side tape and/or wood screws
Connection	Quick connectors from 24VDC lead at LED Driver to each LED Mini Star fixture. See schematic.
Agency Approval	UL listed for under cabinet or cabinet mount, Damp Location. Listing requires usage of LED Power Supply (NSL part number LMS-24-18W3K) and included wiring harness.

Install in accordance to manufacturer's instructions, current local codes, and/or current National Electric Code (NEC).

## RELAMPING LED MODULE

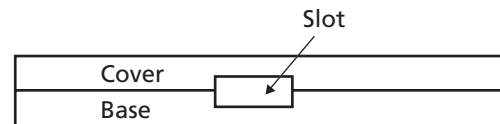
In the highly unlikely event of an LED module failure, please follow the instructions listed below:

**CAUTION!** If unit has recently been operating, glass, LED module, and fixture are hot! Turn off fixture and allow it to cool for 15 minutes before relamping.

**CAUTION!** Always replace LED module with power supply switch in the OFF position.

**NOTE:** Using a thin pair of gloves during this procedure will eliminate fingerprints on glass lens and LED module(s).

1. With a small screw driver, use slot in cover to remove cover from base.
2. With a pair of needle nosed pliers, remove module connector from printed circuit board.
3. Unscrew old LED module. Replace with new LED module (NSL Part No. LEDMOD-22-CR). Tighten screws just snug.
4. Push male connector from LED module into female connector in printed circuit board.
5. Replace cover by aligning slot in cover with slot in base. Press firmly together.



## NATIONAL SPECIALTY LIGHTING

ARCHITECTURAL AND DECORATIVE LIGHTING

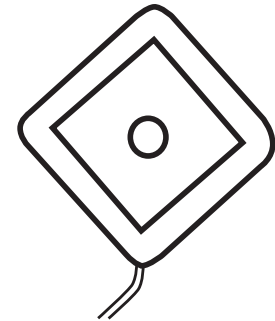
LOUISVILLE, CO 80027

[www.nslusa.com](http://www.nslusa.com)

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## INSTALLATION INSTRUCTIONS

# LED MINI STAR 3-LIGHT KIT



## APPLICATIONS

Under Cabinets

Cabinets

Shelves

Display Cases

Work Stations

**NSL**  
NATIONAL SPECIALTY LIGHTING

