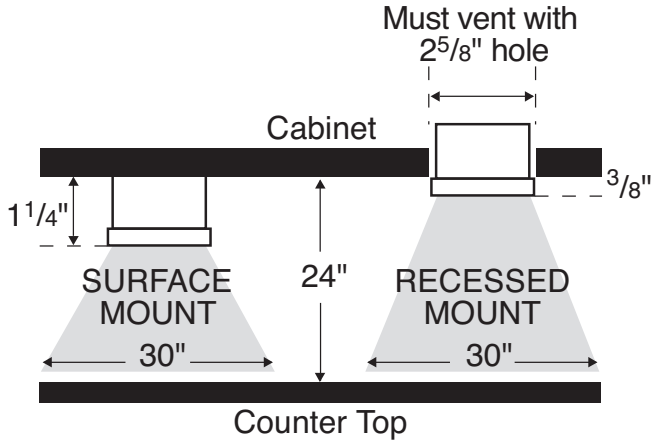


**Congratulations** on your decision to purchase an NSL Xenon Mini Light Kit. We believe you have purchased one of the most flexible light kits available on the market today.

The first decision to make is whether to surface mount, or to recess mount the xenon lights. Surface mount is easier to install and does not require a  $2\frac{5}{8}$ " hole for the fixture, however, surface mount will extend below cabinet about  $1\frac{1}{4}$ ". Recessed mount only extends below cabinet  $\frac{3}{8}$ ", however, requires a  $2\frac{5}{8}$ " hole to properly vent the Xenon Mini Light (see illustration below). All the materials for either surface mount, or recessed mount are included in the kit.



## TOOLS & PARTS

### TOOLS REQUIRED

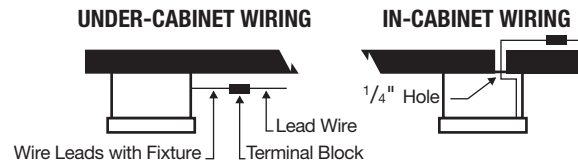
- Hammer
- Phillips Screw Driver
- $\frac{1}{4}$ " Drill
- Measuring Tape
- $2\frac{5}{8}$ " Drill (Recessed Mount Only)

### KIT PARTS INCLUDED

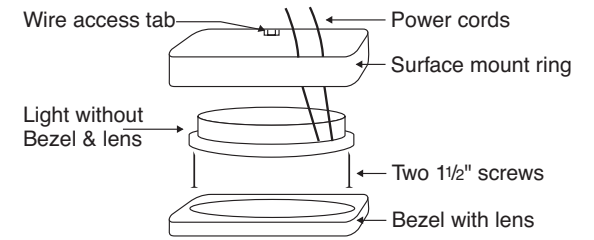
- (3) Xenon Mini Lights with surface mount rings and screws, and 40" leads
- (1) 12 volt transformer with 48" 110V lead, and 36" 12V lead
- (14) Wire support nail clips
- (3) Push-In Connectors

## SURFACE MOUNT INSTRUCTIONS

1. Remove all parts from the kit and check to assure correct amounts.
2. Determine Xenon Mini Light location. Our system is very flexible as to the light location. You are not restricted to a preset cord length. You have four items to keep in mind for light placement:
  - a. Light can be no closer than  $3\frac{1}{2}$ " from any cabinet wall.
  - b. Light must be located in a compartment larger than  $10" \times 10" \times 4"$ .
  - c. Recessed applications must vent into a minimum of  $7" \times 7" \times 4"$  area.
  - d. Each light will illuminate a 30" diameter from a 24" height.
3. Determine location of transformer. Each transformer plugs directly into 110V wall receptacle from a 48" lead. The primary on/off switch is located 9" from the transformer. Beyond the transformer is 36" of lead. See illustration with Step #7.
4. Determine if you wish lead wire to go underneath cabinet or up into cabinet. Placing wire up into cabinet will require a  $\frac{1}{4}$ " hole into cabinet, however, wire will not show below.

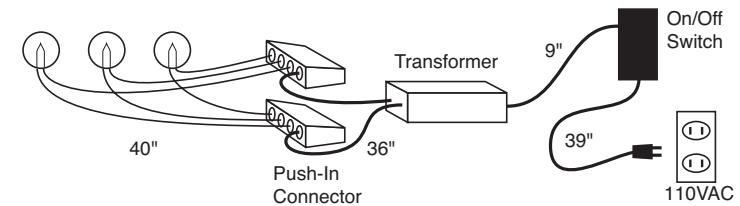


### 5. Surface Mounting Schematic



#### NOTE:

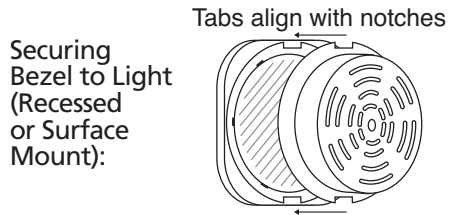
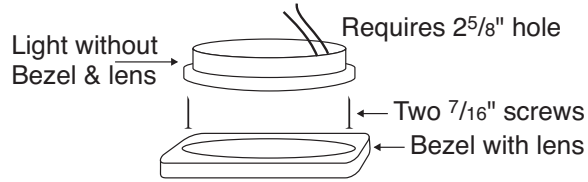
- A. Under-cabinet surface mount wiring requires wire access tab to be broken off surface mount ring.
  - B. In-cabinet surface mount wiring requires a  $\frac{1}{4}$ " hole to be drilled in bottom of cabinet.
  - C. Tighten mounting screw only snug. Do not over tighten as bezel will not "snap lock" into light if mounting screws are too tight.
6. Locate the 40" Xenon Mini Light wire to a central area closest to final transformer location. Repeat procedure with all the Xenon Mini Lights.
  7. **Warning:** Make sure transformer is unplugged and not receiving electricity in any way! Remove pre-stripped insulation from the ends of the transformer leads, and all Xenon Mini Light leads. Insert leads into push-in connectors per wiring schematic below. Make sure one lead from transformer and one lead from each of the Xenon Mini Lights is in one push-in connector, and all other leads are in the other push-in connector. Push-in connectors are for "one use" only. There is a spare connector included if you make an error. See wiring schematic below.



- Attach lead wire to cabinet surface with nail clips. Use one nail clip 1" on either side of On/Off switch.
- Check all fittings and then plug in transformer.

### RECESSED MOUNT INSTRUCTIONS

- Determine location of lights and transformer taking into account items #2 and #3 above. Area above Xenon Mini Light must ventilate to a minimum 7" x 7" x 4" area.
- Assure nothing is above light location. Using a 2<sup>5</sup>/<sub>8</sub>" drill (standard dead bolt drill), drill recessed hole up into cabinet.
- Push light without bezel into 2<sup>5</sup>/<sub>8</sub>" hole. Secure light with two 7<sup>16</sup>/<sub>16</sub>" screws provided. Finish job per #6, #7, #8 and #9 above.



### WARNING

**INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK OR INJURY TO PERSONS AND IMPORTANT SAFETY INSTRUCTIONS.**

**LIGHTED LAMP IS HOT!**

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

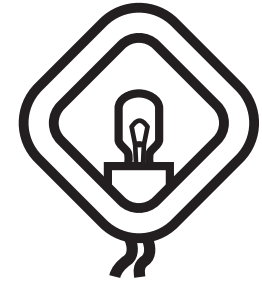
### WARNING

- Turn off/unplug. Allow to cool before replacing bulb.
- Bulb gets hot quickly! Only contact switch/plug when turning on.
- Do not touch lens, bulb or enclosure when fixture is lit. Above parts remain hot when fixture is lit.
- Do not remain in light if skin feels warm.
- Do not look directly at lighted bulb.
- Keep lamp away from materials that may burn.
- Do not operate the lamp with a missing or damaged guard, enclosure or lens.
- Do not install closer than 3<sup>1</sup>/<sub>2</sub>" to cabinet wall or in a compartment smaller than 10" x 10" x 4".
- Lights must be mounted as to vent completely. Back of recessed applications must not be covered in any way, and vent into a minimum of 7" x 7" x 4" area.
- Parallel wire to transformer only.
- Assure lights receive no more than 12 volts.
- Use only wedge base lamps at 18 watts maximum.
- Do not install on ceilings. Cabinet mount only.
- This portable luminaire has a polarized plug (one blade is wider than the other) as a feature to reduce the risk of electric shock. This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Never use with an extension cord unless plug can be fully inserted. Do not alter the plug.
- Install in accordance to manufacturer's instructions, current local codes, and/or the current National Electric Code (NEC).

**NATIONAL SPECIALTY LIGHTING**  
ARCHITECTURAL AND DECORATIVE LIGHTING  
2299 Kenmore Ave, Tonawanda, NY 14207  
[www.nslusa.com](http://www.nslusa.com)

### INSTALLATION INSTRUCTIONS

# XENON MINI LIGHT KIT



### APPLICATIONS

Under Cabinets  
Display Cases  
Furniture  
China Cases  
Kitchen Task Lighting  
Office Task Lighting

**SAVE THESE INSTRUCTIONS**