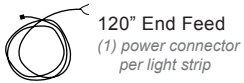
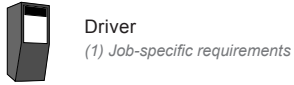
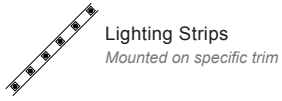


## INSTALLATION INSTRUCTIONS (1/1)

### REQUIRED COMPONENTS



### READ AND UNDERSTAND THESE INSTRUCTIONS BEFORE INSTALLATION – SAVE THESE INSTRUCTIONS!

These fixtures are intended for installation in accordance with the National Electrical Code and local regulations. To ensure full compliance with local codes and regulations, check with your local electrical inspector before installation. To prevent electrical shock, turn off electricity at fuse box before proceeding. Remove all components from the shipping carton. The instructions are in a step by step sequence for correct and easy assembly. Save the shipping carton and packing materials until job is complete.

#### 1. CALCULATE DRIVER REQUIREMENTS *Available driver sizes: 20W, 40W, 60W, 96W, 150W, 200W, 300W*

Ultra lighting strips **without a lens** use standard LED tapes, producing 4.2 watts per foot. Example: a cabinet containing 10' of 4.2W Ultra Lighting Strips, 10' x 4.2 watts/ft = 42 total watts. Always allow a 20% safety factor when sizing to prevent nuisance tripping. Example: 42 watts x 1.2 = 50.4 watts, requiring a 60-watt driver. **Maximum run length per 4.2W feed is 23 feet or 96.6 watts.**

Ultra lighting strips **with a lens** use high-density LED tapes, producing either 5.0 or 7.5 watts per foot. Example: a cabinet containing 10' of 5.0W Ultra Lighting Strips, 10' x 5.0 watts/ft = 50 total watts. Always allow 20% safety factor when sizing to prevent nuisance tripping. Example: 50 watts x 1.2 = 60 watts, requiring a 60-watt driver. **Maximum run length per 5.0W feed is 20 feet or 100 watts; maximum run length per 7.5W feed is 13 feet or 97.5 watts.**

#### 2. DETERMINE LOCATION OF DRIVER

The driver should be out of sight, but still accessible for servicing if necessary. Some electricians install it in the attic above the display, while others conceal it in the base or header of the cabinet.

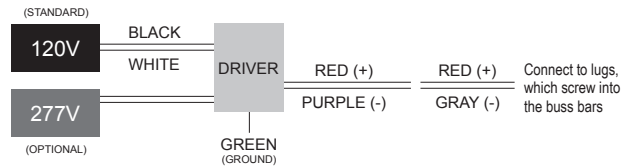
**NOTE:** *the installer should use normal voltage drop calculations when determining the distance from the cabinet. Typically, the distance should not exceed 20' from location when using 16-gauge wire. If farther, use larger gauge wire.*

#### 3. INSTALL ULTRA LIGHTING STRIP

If trim pieces are broken up to make a longer run, see step 1 to confirm and comply with maximum run lengths. Then use the pre-cut holes to mount the trim with the screws. First, attach all mounting trims, then carefully apply tape, paying close attention to the power connectors.

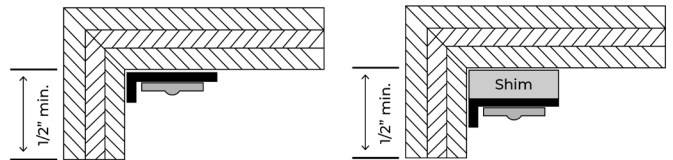
#### 4. CONNECT THE DRIVER

Using a dimmer is optional, but **not required** for this product. Low voltage dimmers are not included with this product; please visit our website for a list of compatible magnetic low-voltage dimmers or call technical support.



#### LIGHTING STRIP LOCATION

For best results, always mount the lights behind the front lip of the upper cabinet and use a matte finish on the back of the cabinet to minimize glare and reflections. Shim down as needed to adjust beam pattern on counter top.



#### NOTES AND CALCULATIONS

**TECHNICAL SUPPORT:**  
800.863.1184

