

Thank you for purchasing the OcuLED LightStick product. Please adhere to the following steps to ensure your Light Stick works properly.

1. Turn power off to sign.
2. Remove old fluorescent lamps in sign.
3. Disconnect power from all fluorescent ballast and secure safely.
4. Reference the part number of the removed fluorescent lamp. Identify the correct size LightStick you will need. *Typical part number will look like 'F96T12CW/HO'. The first three digits are the lamp size.*
5. Remove OcuLED LightStick from packaging. If using OcuLED's "field cuttable" Lightstick, reference the cutting chart at the bottom for the proper cutting length.
6. Install the provided end caps on both sides of the LightStick and insert it into the existing HO sockets from the sign. LightSticks are designed to rotate, so position the LightStick in the position you require. If H.O. socket(s) are damaged install a new socket or an OcuLED mounting bracket in its place to secure the LightStick. OcuLED's mounting brackets sold separately.
7. Repeat steps 4-6 until all lamps have been replaced.

*The following steps are for connecting your Lightsticks to the required power supplies.*

8. Reference the wattage chart on back. Locate the wattage for your specific lightstick(s). Add up the total amount of wattage that will be required.
9. Using the correct size OcuLED power supply, mount the power supply(s) in the cabinet in proximity of the lamp(s) they will operate. *For best performance, do not use more than 80% of the power supplies maximum wattage. Overloading the power supply will void the warranty.*
10. Using certified LED wire, and the included WAGO clips, connect each OcuLED's Lightstick to the DC output side of the power supply. Make sure to match the polarity of the wire, or the LightStick will not work.
11. Connect the existing primary power from the sign to the AC Input side of each power supply. *Ensure the incoming power DOES NOT exceed the listed voltage of the power supply. If unsure of incoming power use a meter to determine incoming power prior to connection. Failure to perform this step could damage the power supply and will void the warranty.*
12. Verify all connections are tight and properly secured. Turn on power and ensure all light sticks light up properly. If a light stick doesn't work, check to ensure all steps above were followed correctly. All LightSticks are tested prior to being shipped out and should operate correctly.

**Field Cuttable Lightstick measurements for each size lamp. All measurements are taken from the side of the Lightstick where power leads are located.**

<i>Lamp Length</i>	<i>Cut Length</i>	<i>Lamp Length</i>	<i>Cut Length</i>
F18	14 3/4"	F60	56 3/4"
F24	20 3/4"	F64	60 3/4"
F30	26 3/4"	F72	68 1/4"
F36	32 1/4"	F84	80 1/4"
F42	38 3/4"	F96	Use 8' LightStick
F48	Use 4' LightStick		

**Wattage chart for single sided Light Stick. For Double sided multiply wattage by 2**

<i>Lamp Length</i>	<i>Wattage</i>	<i>Lamp Length</i>	<i>Wattage</i>
F18	2.4	F64	12
F24	3.6	F72	13.2
F30	4.8	F84	14.4
F36	6.0	F96	18
F42	7.2	F108	20.4
F48	8.4	F117	21.6
F60	10.8	F120	21.6

- *If your LightStick doesn't work properly, please ensure all steps were followed correctly. If LightStick still doesn't work contact our service line at 803-851-5957, option 2 or visit our website for additional information.*
- *All OcuLED LightSticks come with a standard 5-year warranty.*

