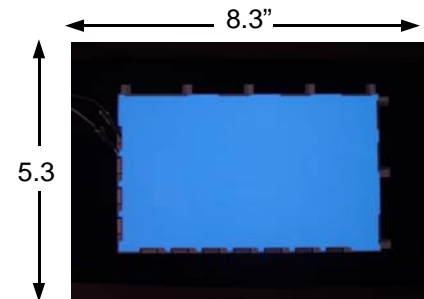


DUREL PROTOLIGHT® Electroluminescent Cut-to-Fit Lamps

General Description:

A PROTOLIGHT® lamp is a “cut-to-fit” electroluminescent lamp that provides a fast and low cost technique for lighting mock-ups of a design concept. The PROTOLIGHT lamp is an electroluminescent panel with multiple sets of leads around the edge of the panel. The availability of leads provides a panel with broad design flexibility. The lamp can be cut to infinite configurations that can include holes and cut outs.



Recommended Tools for Use:

- X-Acto knife® with new blade
- Ruler or steel scale
- Cutting board

Preparing Your PROTOLIGHT Lamp:

Determine the area requiring lighting in your application. Draw the pattern to be cut on the PROTOLIGHT lamp and be sure to keep at least one set of leads available for applying electrical power. Cut the lamp with the light emitting side facing up, preferably with an X-Acto knife. Do not cut the PROTOLIGHT lamp while power is being applied! Using an X-Acto knife reduces the risk of smearing conductive rear electrode lamp material to the front transparent electrode. The use of scissors consistently creates more edge shorts. This is important because it is desirable to have as low a number of edge shorts as possible. It may be necessary to use an AC power supply to eliminate the small edge shorts so the inverter circuit can function properly.

Using Your PROTOLIGHT Lamp (The fun part!)

If your sample has been provided with ribbon leads attached, make sure the leads don't cross over while lighting up the panel. If the leads touch each other, the lamp will not light up. Pad lead connection is typically made with flat alligator clips.

To light the PROTOLIGHT lamp, power from an Alternating Current (AC) source is required. An AC power supply can be used as well as a DC battery connected to a DC to AC inverter circuit. A typical drive condition is 115 VAC, 400 Hz. Maximum recommended voltage is 150 VAC and maximum recommended frequency is 800 Hz.

Caution! Use caution when powering the lamp. When powered, the lead areas and the edges you cut in preparing the PROTOLIGHT lamp have exposed electricity and can give you a shock. Wet fingers and condensed water can cause shorting at the lamp edges as well.

Availability:

PROTOLIGHT lamps are available at no charge for the first 5.3" x 8.3" sample and can be purchased at \$50 each thereafter. PROTOLIGHT lamps are usually in stock and can be delivered quickly. There is a maximum order of ten PROTOLIGHT lamps per customer. PROTOLIGHT lamps produce light in the following colors: green, blue-green, blue, orange-yellow and white from stock. If you have any questions, please call Customer Service at (480) 917-6000.

ISO 9001:2000, ISO/TS 16949:2002, and ISO 14001:1996 Certified

The information contained in this data sheet is intended to assist you in designing with Rogers' EL lamps. It is not intended to and does not create any warranties, express or implied, including any warranty of merchantability or fitness for a particular purpose or that the results shown on the data sheet will be achieved by a user for a particular purpose. The user should determine the suitability of Rogers' EL lamps for each application.

Rogers' EL lamps are covered by one or more of the following U.S. patents: #5,156,885, #5,418,062, #5,439,705, #5,593,782, #5,908,698, #6,445,128, and #6,528,943. Corresponding foreign patents are issued or pending.

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