

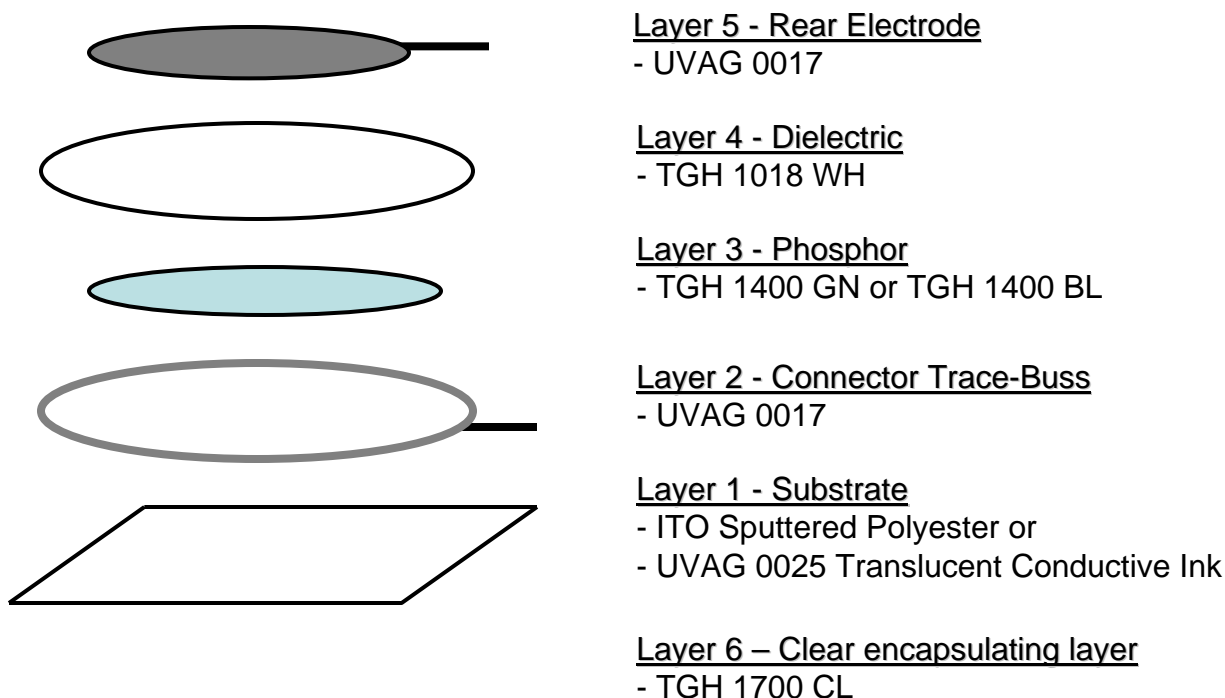
E-L Lamp Construction

Content Description

The following information is for guideline purposes only. If you have any questions, please contact Allied PhotoChemical at 810-364-6910.

ElectroLuminescence / E-L Kit Details:

Goal: The goal of this document is to provide you details on the E-L Kit.



Working from the substrate up:

- Layer 1: ITO sputtered coated polyester or UVAG 0025 Translucent Conductive Ink
- Layer 2: UVAG 0017 - Used to print the buss (Typically an outline.) A 305/31 or 315/30 polyester mesh is recommended
- Layer 3: Phosphor Layer – Use TGH 1400 GN or TGH 1400 BL. Best results are achieved using two (2) passes wet-on-wet through a 175/55 or 180/55 mesh polyester screen.
- Layer 4: Dielectric Layer – Use TGH 1018 WH. A 305/31 or 315/30 mesh polyester screen is recommended.
- Layer 5: Rear Electrode – UVAG 0017 or UVAG 0010 is printed using a 305/31 or 315/30 mesh polyester screen.

CURE ENERGY: UVAG 0025 and Phosphor Inks: 200 - 300 millijoules
TGH 1018 WH Dielectric: 300 - 400 millijoules
UVAG 0017: 500 millijoules or higher

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Pictorial Examples

