

Characteristics and Notes:

1) The EEL1 socket cable is designed for mounting into High Density Urethane (HDU) styling and modeling board. The EEL's cable socket fits into a mounting hole from the material's front side. The tapered fit of the socket's body locks it into place, and a front 5/8" diameter flange provides an insertion stop. Lock ribs on the taper provide for anti-rotation of the socket in the material. The EEL1 cable socket light assembly is optimized for 6 lb. density foam board when an 11mm (7/16") hole is used; though it can be mounted into higher density boards with the hole size increased slightly to reduce insertion pressure, or with lower density foam board reducing the hole diameter for a tighter grip.

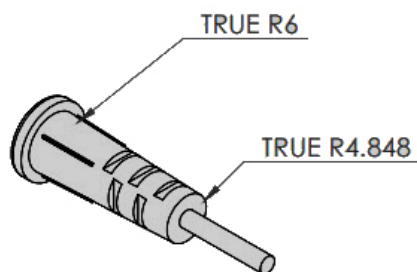
2) Socket taper: 12mm (0.47") Dia. Typ. down to 9.7mm (0.38") Dia. Typ. over a 33mm length.

3) Mounting hole: in HDU (High Density Urethane) rigid foam board, make the hole 11mm-0.25/+0.50 depending on density and grip desired. For harder materials a 12mm (0.47") hole can be used with adhesive or resin to retain the socket. The smaller taper end of the socket has slots that can be used for resin back filling for additional retention in material over 25MM (1") thick. In most application using HDU as the mounting material, the press fit grip from the socket taper is sufficient to retain it.

4) Socket Cable: has a length of 254mm (10") Typ. with a female DC barrel connector jack 2.1mm X 5.5mm, jack diameter is 10.55mm (0.415") Typ.

5) Light source: Candle Bi-Pin Lamp (CBL1) G4 type, output 30 lumens Typ. 1,450 Kelvin. @ 12 volts DC, 80ma Typ., 1.0 watts Typ. Color coordinates x=0.588 / y=0.385 Ref.

6) Candle Bi-Pin Lamp (CBL1): is removable from the socket for socket insertion or replacement with a nominal height of 1 inch, the overall cable length from top of lamp to bottom of barrel connector is 279.4mm (11") Typ.



Socket taper profile