

**Prop and Scenery Lights, LLC**  
[www.propscenerylights.com](http://www.propscenerylights.com)  
**Product Specification Sheet**  
**Ocean Blue (OB) light with**  
**(EEL1) 5 foot Cable Socket**  
**P/N: EEL1-1.5M-SBL2-OB**



**Ocean Blue Light Characteristics:**

- Voltage: 12 volts DC, (PWM dimmable)
- Wattage: 1 watt nominal at 12 volts DC (bulbs are for DC power only)
- LEDs per light: 24 (12 blue LEDs and 12 green LEDs)
- Dominant wavelength: 486.8nm (ref. cyan)
- CIE1931 color coordinates:  $x=0.1486$  /  $y=0.2650$  Typ.
- Lumens Ref.: 12.0 VDC = 40 Lumens nominal

The Ocean Blue (OB) LED light, is a clear silicone rubber bulb with a polychromatic blue and green light spectrum. This bulb is primarily intended for water effects in prop and scenery applications. The mixed light from the blue and green LEDs produces a light color toward cyan with a blue and green variegated appearance.

**EEL1 Socket Cable Characteristics and Notes:**

1) The EEL1 cable socket: is designed for mounting into soft materials, foam, wood, and plastics. The EEL's cable socket fits into a mounting hole from the material's front side. The tapered fit of the socket 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. HDU 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) Mounting hole: in HDU (High Density Urethane) rigid foam board, make the hole 11mm-0.25/+0.50 (7/16" Ref. / 0.4375" Ref.) 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 is sufficient to retain it. The socket taper shape is 12mm (0.47") Dia. Typ. down to 9.7mm (0.38") Dia. Typ. over a 33mm length.

4) Socket Cable assembly: The overall cable length from top of lamp to bottom of barrel connector is 1.5M (5 feet Typ.) Typ. The cable end is equipped with a female DC barrel connector jack 2.1mm X 5.5mm. The jack diameter is 10.55mm (0.415") Typ. The silicon Bi-Pin bulb is removable from the socket for replacement.

5) Handling and storage: see Application Note AN-1706 for Static control for electronics and LED lights used in props, scenery and theatrical costumes.