CONICAL DROP LENS
Model 16CDL

**Description**
The Model 16CDL is a 16” Conical Drop Lens designed to mount directly to the 816 Reflexor® or to other reflectors of the same size with a roll form clamp band.

**Application**
The Model 16CDL is designed to be used with up to 250W vertically oriented HID lamps for both medium and low-bay lighting applications. The lens both lifts the main beam and breaks up the lamp image.

**Lamp Data**
The 16CDL is used primarily with HID lamps. Luminaire design, reflector configuration, lamp position and ambient temperature will affect the inside surface temperature. Thermal tests should be conducted on each luminaire design to confirm appropriate lamp size for the application.

**Service Life**
The service life of acrylic lenses is virtually unlimited when used within the recommended temperature limit. Polycarbonate lenses are subject to yellowing especially when used with high ultraviolet output light sources; this effect is enhanced at high temperatures.

**Notice**
A.L.P. Lighting Components, Inc. assumes no responsibility for suitability of luminaires and applications. The use of our molded products at excessive temperatures with high UV output light sources will cause degradation of the material. Information regarding the use of lenses and refractors with Metal Halide lamps can be found in the Products/Technical Resources section of our web site at www.alplighting.com. *See second page for important UL information.

**Ordering Information**
Please call 877-257-5841 for price and delivery. Typical lead time is four to six weeks.
Photometrics:
The acrylic version of the 16CDL Conical Drop Lens yields an overall efficiency of 89.3% when assembled with the Model 816 and a 175W phosphor coated metal halide lamp positioned 7” above the lower rim. Uplight of luminaire is increased to 26.1% versus 19.7% for the open Model 816. The main beam is located at 45° vertical with an intensity of approximately 2544 candela (ITL47843). A distribution range from 1.7-2.2 allows it to be used in a variety of mounting heights without a decrease in performance.

Accessory
Stainless steel clamp band
For attachment of bottom closure.

Materials
See the LexaLite® brand price list for current part numbers and material offerings. Up-to-date and detailed material specifications can be found in the Products/Technical Resources section of our web site at www.alplighting.com.

When using an acrylic Model 16CDL, the surface temperature of the lens should not exceed 80°C. When using a polycarbonate Model 16CDL, the surface temperature of the lens should not exceed 90°C.

This drawing is for reference only. Actual part dimensions will vary. Customer is urged to review actual samples to confirm fit and function. All specifications and dimensions are subject to change without notice.

*Effective June 30, 2010, lenses associated with this product will no longer be UL recognized components. A.L.P. LexaLite recommends the use of open rated lamps with any polymeric lens. These lenses should not be used as arc retention devices.