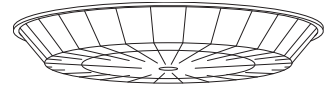


DROP LENSES

Models 622 and 630



Model 622



Models 622 and 630

Model 622:
22" diameter
Depth: 3"

Model 630:
30" diameter
Depth: 3.80"

HIGH BAY, INDUSTRIAL AND
COMMERCIAL
LIGHTING APPLICATIONS

Model 622:
Efficiency: 88.5%
CIE type: Semi-Direct
Luminaire spacing criteria: 1.6

Model 630:
Efficiency: 67.2%
CIE type: Direct
Luminaire spacing criteria: 1.7

Materials: Acrylic,
Acrylic Moon Glow™
and Polycarbonate

Description

Model 622 is a 22" diameter drop lens and Model 630 is a 30" diameter drop lens. Both are designed for use with vertical burning HID lamps in high-bay lighting applications requiring low brightness. The Model 630 is typically mounted to flared aluminum reflectors with a roll form clamp band. The Model 622 is typically mounted to the Model 822 Prismatic Reflexor® with a clamp band. Both lenses are available in ultraviolet stabilized acrylic for high efficiency in general applications, in high heat acrylic and in acrylic Moon Glow™ for added diffusion. The Model 622 is available in polycarbonate for areas where breakage is a concern.

Lamp Data

Model 622 is used primarily with 150W to 250W HID lamps while Model 630 is used with up to 400W HID lamps. To avoid detrimental internal reflections and high temperatures, proper reflector and luminaire design is required. Thermal testing should be conducted on each luminaire with the proposed light source in its selected position to confirm lamp size suitability, or to predict service life of the lens.

Ordering Information

Please call 877-257-5841 for price and delivery. Typical lead time is four to six weeks.

Service Life

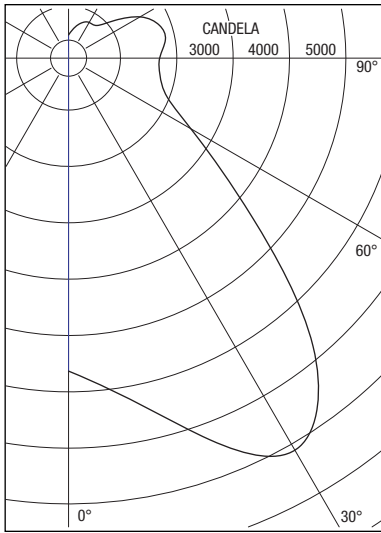
The service life of acrylic refractors is virtually unlimited when used within the recommended temperature limit. Polycarbonate refractors are subject to yellowing especially when used with high ultraviolet output light sources; this effect is enhanced at high temperatures.

Notice

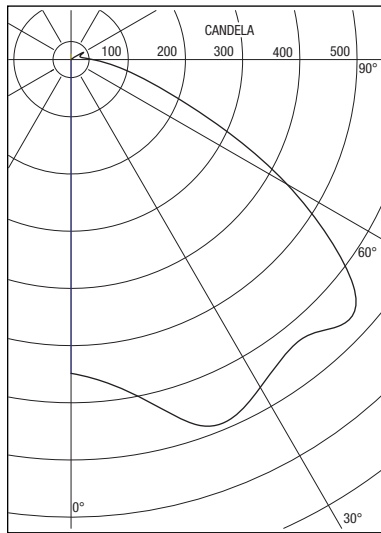
A.L.P. Lighting Components, Inc. assumes no responsibility for suitability of luminaires and applications. The use of our molded products at excessive temperatures with high UV output light sources will cause degradation of the material. Information regarding the use of lenses and refractors with Metal 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.



Models 622 and 630



Model 622
Report Number: ITL35756
Total Luminaire Efficiency = 88.5%
CIE Type: Semi-Direct



Model 630
Report Number: ITL34826
Total Luminaire Efficiency = 67.2%
CIE Type: Direct

Photometrics

For proper distribution, lens function is dependent upon the reflector design. Model 622 with a 400W metal halide lamp in a Model 822 Reflexor produces a main beam of 8095 candela at 30° vertical. This curve produces a Spacing Criteria of 1.6 with 88.5 percent total efficiency (ITL35756). Model 630 with a 400W HPS lamp in an aluminum reflector produces a main beam of 9038 candela at 20° vertical. This curve produces a Spacing Criteria of 1.7 with 67.2 percent total efficiency (ITL34826). Individual luminaire performance depends on the lamp center position and the reflector design chosen. Each luminaire design should be individually tested for proper classification. Please call for additional photometric data.

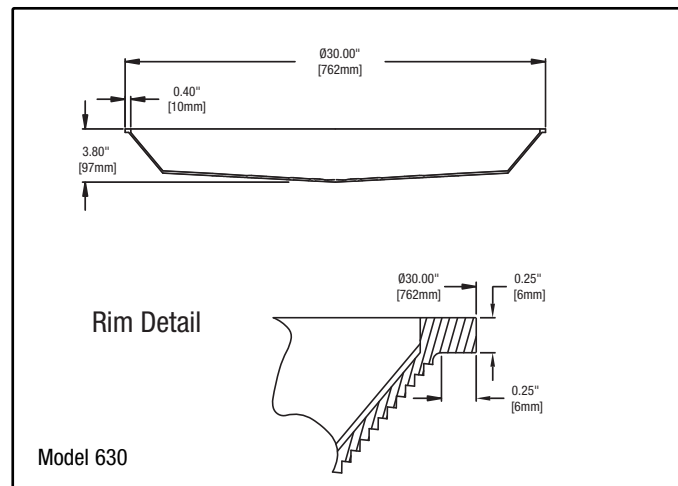
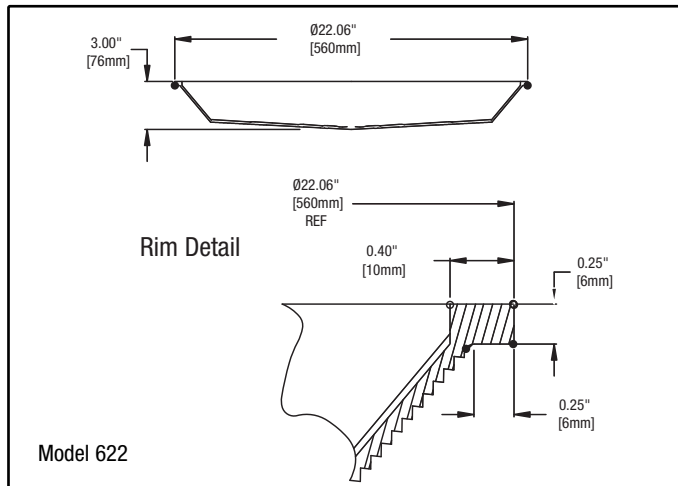
Accessory

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 acrylic Models 622 and 630, the surface temperature of the lens should not exceed 80°C. When using polycarbonate Models 622 and 630, 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.**