



Model 290 Type V

General Description

These 12" diameter straight-sided refractors are available in open or closed bottom. Open bottom refractors provide relamping and maintenance ease, while closed bottom refractors provide additional protection for the light source.

Features and Benefits

- Rated up to 150watts
- Provides optical batwing distribution.
- Model 297 is available in a Type II/III, which provides roadway and parking area lighting.
- All models noted are available in a Type V, which provides symmetrical lighting.
- Models 280 (closed bottom) and 285 (open bottom) are molded in Clear Polycarbonate with UvaLex[®] for areas where breakage and high ambient heat are concerns.
- Models 290 (closed bottom) and 295/297 (open bottom) are molded using UV stabilized Clear Acrylic for high efficiency in general lighting applications.

Applications

These lenses are typically used in residential, post-top and street lighting applications. Recommended for applications requiring low cost. Compatible with vertical burning lamps, halogen and compact fluorescent, HID, and LED lamp sources.

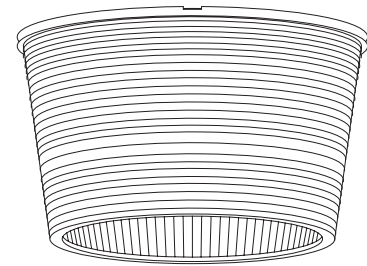
Before final installation, dissipate static on parts by spraying with de-staticized air or by wiping with a clean, damp rag. This will help minimize dust build up.

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.

Ordering Information

Please call 877-257-5841 for pricing and delivery.



Dimensions

6.88" high
12" diameter

Materials

Acrylic:
Clear
Polycarbonate with UvaLex[®]:
Clear

Type V Fixture Performance for Reference Only

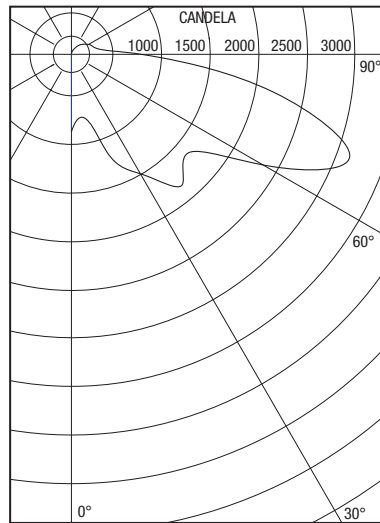
Report Number: ITL42090

Total Luminaire Efficiency: 85.26%

IES Classification: Type V, Semi-cutoff

Arc Tube Voltage Rise: 0.0

Tested in accordance with IES standards.
Photometry based on a 150W HPS lamp



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 Resources section on our website www.alpadvantage.com.

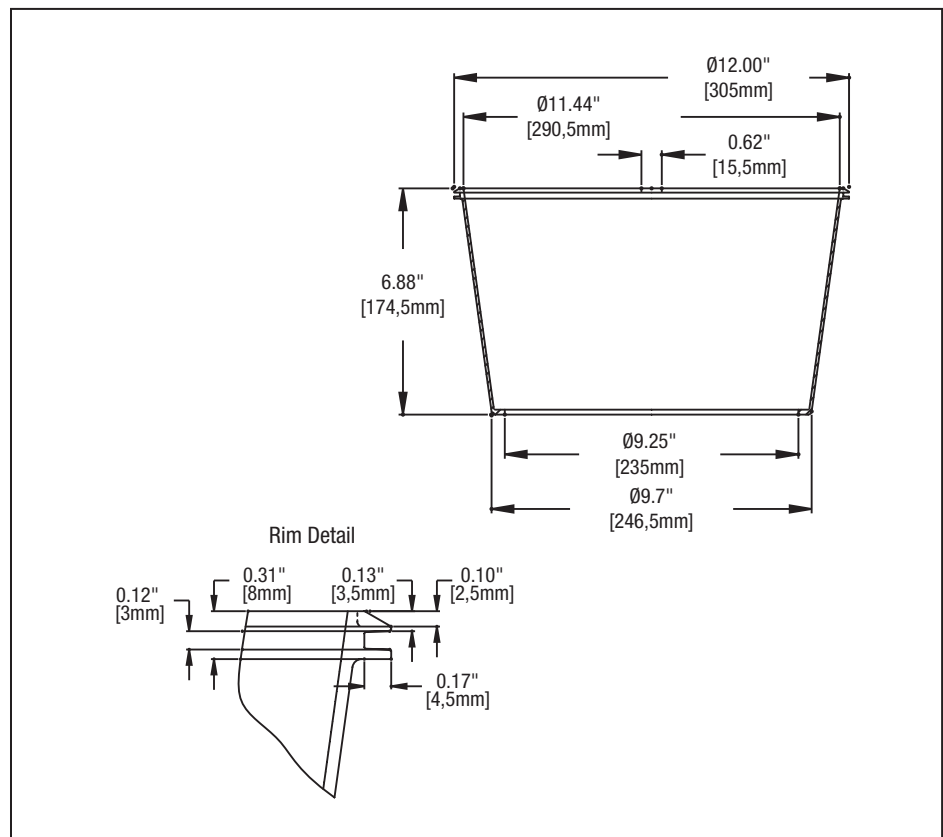
When using acrylic, the surface temperature of the lens should not exceed 80°C. When using polycarbonate, the surface temperature of the lens should not exceed 90°C.

UvaLex[®] is LexaLite's proprietary treatment to retard yellowing in ultraviolet environments and is standard on these polycarbonate refractors.

Notice

A.L.P. assumes no responsibility for suitability of these materials in any luminaire or application. Please test for fit and function prior to ordering project quantities.

While A.L.P. utilizes IESNA testing procedures and believes our testing results to be accurate, A.L.P. provides photometry for reference only. Actual results will vary based on the actual light source(s) and power source(s) used, i.e. ballast, driver generator, etc. and the combinations in which they are used, as well as operating temperatures, and other electrical and environmental variables. We urge that customers perform their own fixture qualifications prior to making performance based claims. In no event will A.L.P. be liable for any loss, damage, including without limitation, indirect or consequential loss or damage in connection with the use of this information.



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.