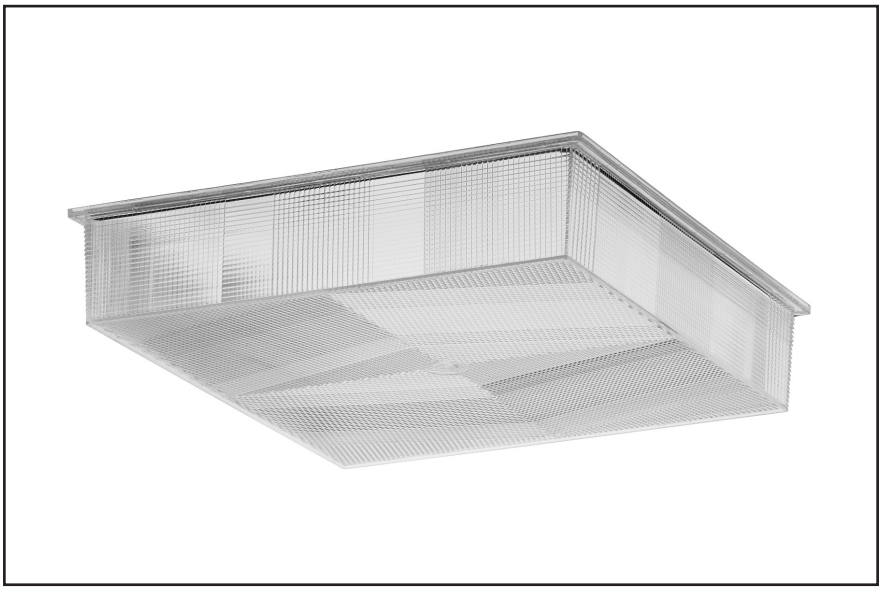
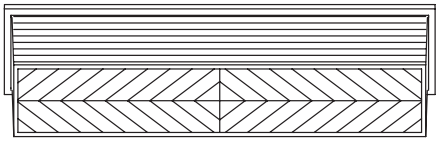
A.L.P.

LEXALITE® AN A.L.P. BRAND

DROP LENSES
Models 305 and 306





Dimensions
12” length
12” width
2.5” depth

Materials
Acrylic:
Clear
Polycarbonate with or without UvaLex®:
Clear

General Description
These 12” x 12” lenses have a 2.5” depth. Their precise optics and shallow depth make them excellent for low mounting height installations where brightness and glare control are important considerations.

Features and Benefits
- Rated up to 176watts
- Available in Type II which provides roadway and street lighting and Type V symmetrical lighting.
- Model 305 is molded of UV stabilized Clear Acrylic for high efficiency in general lighting applications.
- Model 306 is molded with Clear Polycarbonate with or without UvaLex® for areas where breakage and high ambient heat are concerns.

Applications
Designed for vertical wall mount and tunnel lighting or horizontal as a drop lens in area and canopy lighting. Compatible with HID, halogen and compact fluorescent, and LED lamps 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.

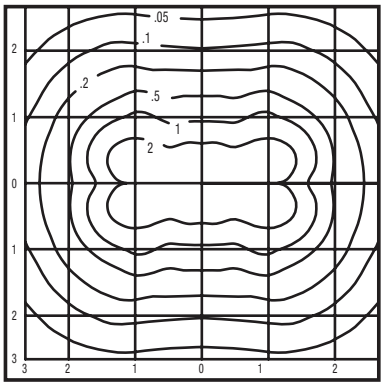
Ordering Information
Please call 877-257-5841 for pricing and delivery.

A.L.P.
6333 Gross Point Road, Niles, IL 60714
Ph: (877) 257-5841 • Fx: (773) 774-9331
www.alpadvantage.com

Sheet/REV# DROP305VN062321

Fixture Performance for Reference Only

Report Number: ITL41903
Total Luminaire Efficiency: 53.17%
IES Classification: Short-cutoff, Type II
Arc Tube Voltage Rise: 2.9



Photometry

While the exact photometrics are dependent on the luminaire design, a few generalizations are possible. When the lens is used with a simple curved, reflective sheet material and a horizontal source with the socket in the "X" position, it yields a rectangular asymmetrical "bow tie" pattern, as shown in the Iso footcandle plot at left. In the same luminaire, rotating the lens 90 and placing the socket in the "A" position, asymmetrical square pattern is obtained. Distributions will change by using alternate lamp position, light sources, and reflector contours. Individual luminaire performance depends on the lamp center position and the reflector design chosen.

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.

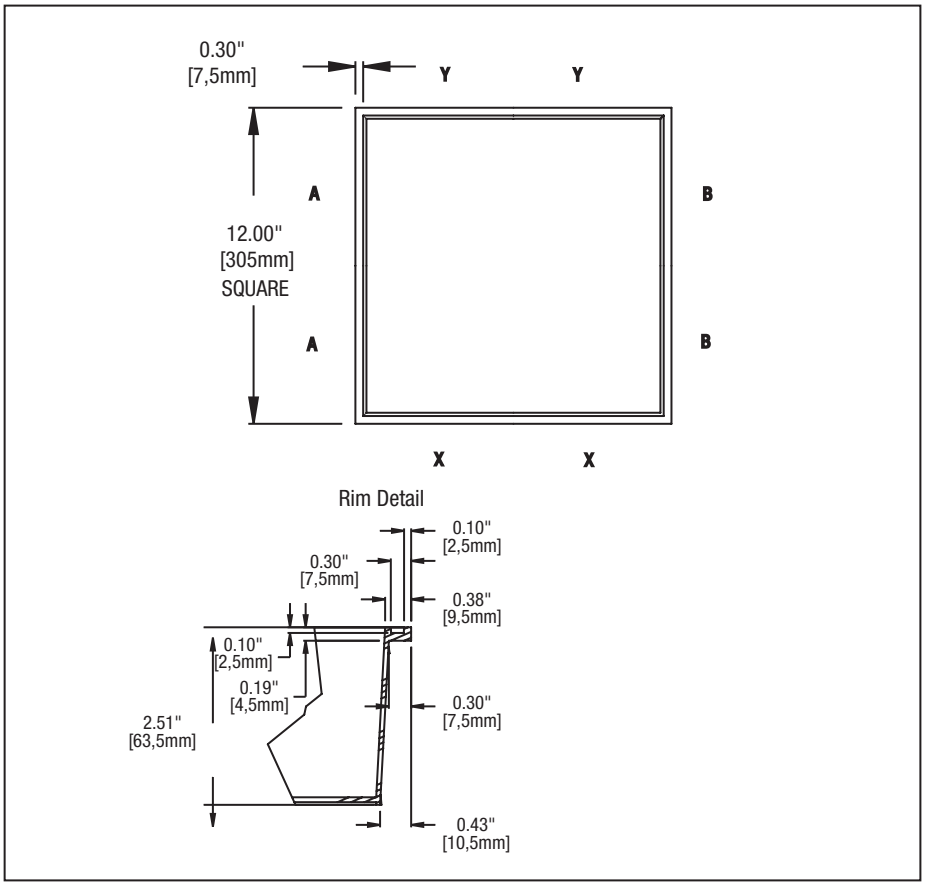
When using acrylic, the surface temperature of the lens should not exceed 80˚C. When using polycarbonate, the surface temperature of the lens should not exceed 90˚C.

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.

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