

PRISMATIC REFLEXOR®

Model 812



Model 812

Description

This energy efficient 12.43" diameter prismatic Reflexor® is designed to be used in open or closed luminaires for industrial, commercial and decorative lighting.

Application

This Reflexor is suitable for low bay industrial applications where low apparent brightness and high vertical footcandles are required. The Model 812 Designer Series offers standard and custom colors for your decorative application. Please refer to the Model 812 Designer Series data sheet for further information.

Lamp Data

The Model 812 is capable of being used with up to 150 watt HID lamps. To achieve best uniformity, LexaLite® recommends using coated metal halide lamps or diffuse high pressure sodium lamps. Please reference LexaLite's Reflexor Standard HID Acrylic Application Recommendations for ambient temperature guidelines. 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.

Ordering Information

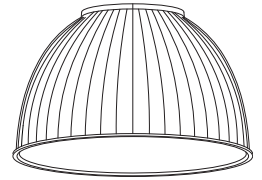
Please call 877-257-5841 for price and delivery. Typical lead time is four to six weeks.

Service Life

The service life of an acrylic Reflexor is virtually unlimited when used within the recommended temperature limit. Acrylic molded versions of our Prismatic Reflexor series are covered by our 10 year limited warranty. Polycarbonate versions are virtually indestructible and are subject to yellowing 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.



Model 812

7.47" high
12.43" diameter

PRISMATIC REFLEXOR
OPEN OR CLOSED LUMINAIRE
COMMERCIAL, INSTITUTIONAL,
DECORATIVE APPLICATIONS

Efficiency: 95.8%
Uplight: 17.8%
CIE type: Semi-Direct
Luminaire spacing criteria: 1.7, 1.3

Materials: Acrylic,
Acrylic Moon Glow™
Polycarbonate, and
Custom Colors

800 Series Products:

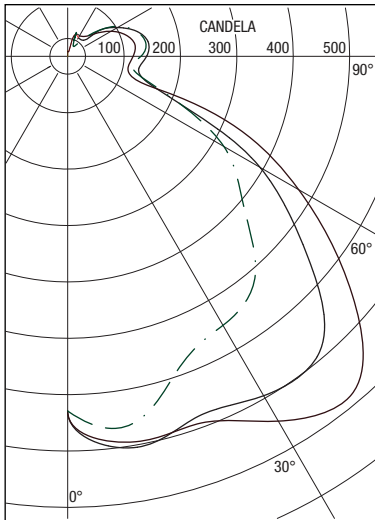
9" Model 809
11" Model 811
12" Model 812
12" Model 812i interface
12" Model 812 Designer
16" Model 816
16" Model 816U lightweight
16" Model 816i interface
16" Model 16CDL Conical Drop Lens
22" Model 822
22" Model 822GV lightweight
22" Model 822i interface
22" Model 22CDL Conical Drop Lens
22" Model 22SCDL Silicone Conical Drop Lens
25" Model 825
25" Models 825A & 825M Prismatic Lenses



A.L.P.
LIGHTING COMPONENTS, INC.
WEB SITE: WWW.ALPLIGHTING.COM



Model 812



Report Number: ITL53820
 Total Luminaire Efficiency: 95.8%
 CIE Type: Semi-Direct
 Luminaire Spacing Criteria: 1.7, 1.3

Photometrics

The unique design of the Model 812 permits a broad range of lighting distributions to be achieved efficiently. Adjustments in the light center position produce spacing criteria from .9–2.2. A 42 watt compact fluorescent at a 4.5 inch light center position yields a spacing criteria of 1.7, 1.3 overall efficiency of 95.8% and 17.8% uplift of luminaire (ITL53820).

Lumen Summary			
Zone	Lumens	%Lamp	%Fixture
0–30	566	17.7	18.4
0–40	1007	31.5	32.8
0–60	1953	61	63.7
0–90	2520	78.8	82.2
90–120	382	11.9	12.4
90–130	454	14.2	14.8
90–150	520	16.3	17
90–180	547	17.1	17.8
0–180	3067	95.8	100.

Luminance Data in Candela/SQ M at 0° plane

Angle	Average
45°	9047
55°	7172
65°	4863
75°	2074
85°	2668

Tested in accordance with IES standards. Lamp is a 42 watt compact fluorescent. Lumen rating=3200. Lamp center located at 4.5 inches above lower rim.

Accessories

Smooth Flat Lens (812SFL):

12" diameter acrylic or polycarbonate lens.

Domed Lens (12ASDE, 12PSDE):

12" diameter acrylic (12ASDE), or polycarbonate (12PSDE) lens.

Conical Drop Lens (12CDL):

12" diameter acrylic or polycarbonate lens.

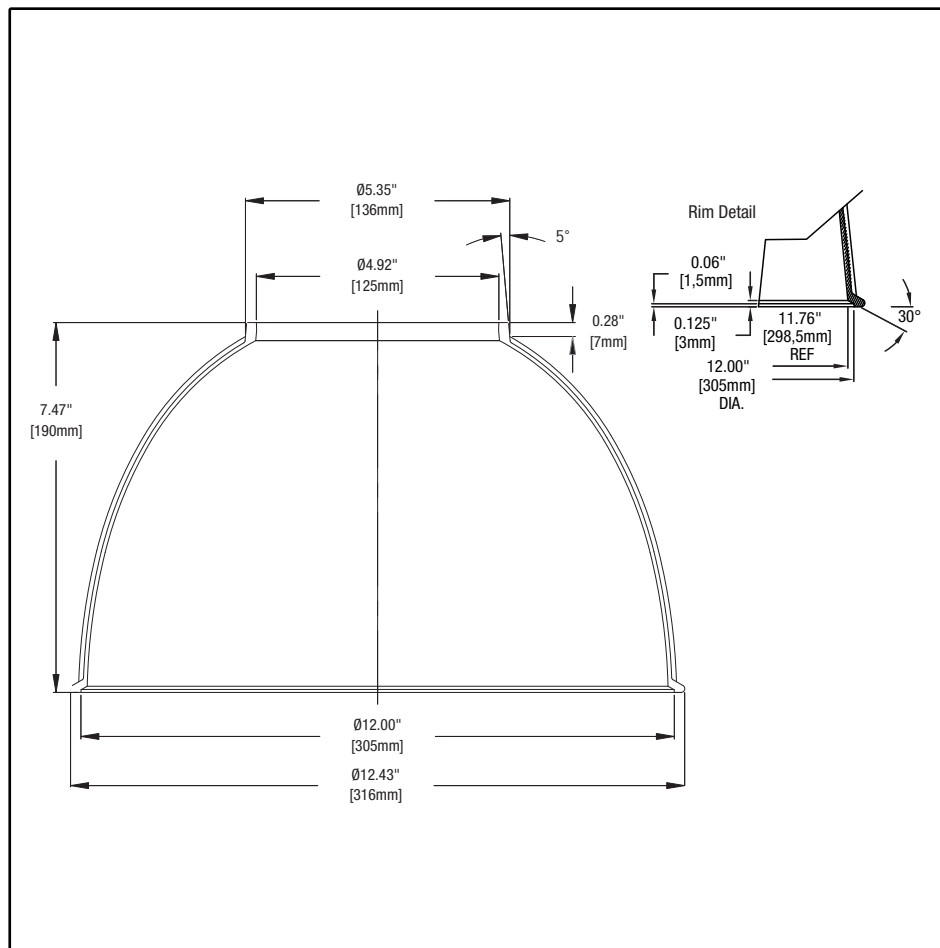
Stainless Steel Clamp Band

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 812, the surface temperature of the Reflexor should not exceed 80°C. When using a polycarbonate Model 812, the surface temperature of the Reflexor 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.