PRISMATIC REFLEXOR®

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

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% uplight of luminaire (ITL53820).

<table>
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<th>Zone</th>
<th>Lumens</th>
<th>%Lamp</th>
<th>%Fixture</th>
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<tr>
<td>0–30</td>
<td>566</td>
<td>17.7</td>
<td>18.4</td>
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<td>0–60</td>
<td>1953</td>
<td>61</td>
<td>63.7</td>
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<td>0–90</td>
<td>2520</td>
<td>78.8</td>
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<td>382</td>
<td>11.9</td>
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<td>90–130</td>
<td>454</td>
<td>14.2</td>
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<td>90–150</td>
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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 Reflector should not exceed 80°C. When using a polycarbonate Model 812, the surface temperature of the Reflector 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.