

# PRISMATIC REFLEXOR®

## Model 812 interface Reflexor®



Model 812i

### Description

The 12" diameter interface Reflexor is a technology-based, injection molded component manufactured from microcellular foamed acrylic. For optimal product life and performance, this product is produced from UV stabilized, lighting grade acrylic. The interface Reflexor provides specifically tailored uplight and downlight levels, and achieves 91.2% overall luminaire efficiency. The uplight component of the Reflexor is minimal at 15.9%, using just the right amount of uplight to eliminate the cave effect. Interface is also available in 16" and 22" diameters.

### Application

The interface Reflexor features a highly reflective surface, which produces a soft, glowing appearance and blends with light colored ceilings. Downlight levels are increased, providing more downward light for merchandise, aisles or assembly lines. It is suitable for a range of lighting applications from industrial to retail.

### Lamp Data

The interface Reflexor is capable of being used with up to 150 watt HID lamps. As an enclosed luminaire, it is capable of being used with 100 watt HID 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

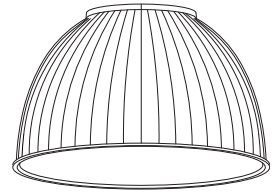
Please call 877-257-5841 for price and delivery. Typical lead time is four to six weeks.

### Service Life

The service life of an acrylic Reflexor is virtually unlimited when used within the recommended temperature limit. The Model 812i molded in acrylic material will provide satisfactory service for a period of five years.

### 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](http://www.alplighting.com).



### Model 812i

7.47" high  
12.43" diameter

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

Efficiency: 91.2%  
Uplight: 15.9%  
CIE type: Semi-Direct  
Luminaire spacing Criteria: 1.5, 1.6

Material: Interface 105 acrylic

U.S. Patent No. 6,550,938

#### 800 Series Products:

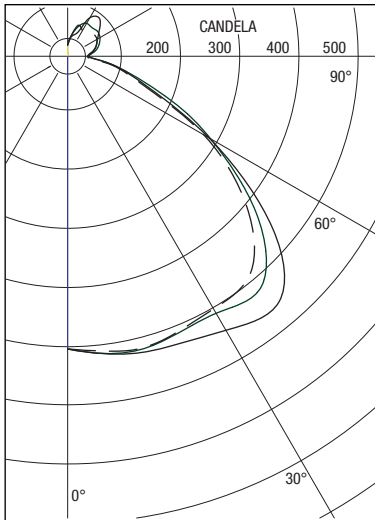
9" Model 809  
11" Model 811  
12" Model 812  
12" Model 812i interface  
12" Model 812 Designer  
16" Model 816  
16" Model 816U lightweight  
16" Model 816i interface  
16" Model 16CDL Conical Drop Lens  
22" Model 822  
22" Model 822GV lightweight  
22" Model 822i interface  
22" Model 22CDL Conical 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](http://WWW.ALPLIGHTING.COM)



# Model 812i



Report Number: ITL53596  
 Total Luminaire Efficiency: 91.2%  
 CIE Type: Semi-Direct  
 Luminaire Spacing Criteria: 1.5, 1.6

## Photometrics

The unique design of the Model 812 interface Reflexor permits a broad range of lighting distributions to be achieved efficiently. A 32 watt compact fluorescent lamp at 4.5 inches light center position gives spacing criteria of 1.6 and 1.5, overall efficiency of 91.2% and 15.9% uplight of the luminaire (ITL53596).

### Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	440	18.3	20.1
0-40	775	32.3	35.4
0-60	1482	61.8	67.7
0-90	1841	76.7	84.1
90-120	151	6.3	6.9
90-130	208	8.6	9.5
90-150	306	12.7	14.0
90-180	348	14.5	15.9
0-180	2189	91.2	100.0

### Luminance Data in Candela/SQ M at 0° plane

Angle	Average
45°	6965
55°	5215
65°	3083
75°	1830
85°	1028

Tested in accordance with IES standards. Lamp is a 32 watt compact fluorescent lamp. Lumen rating = 2,400. 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.

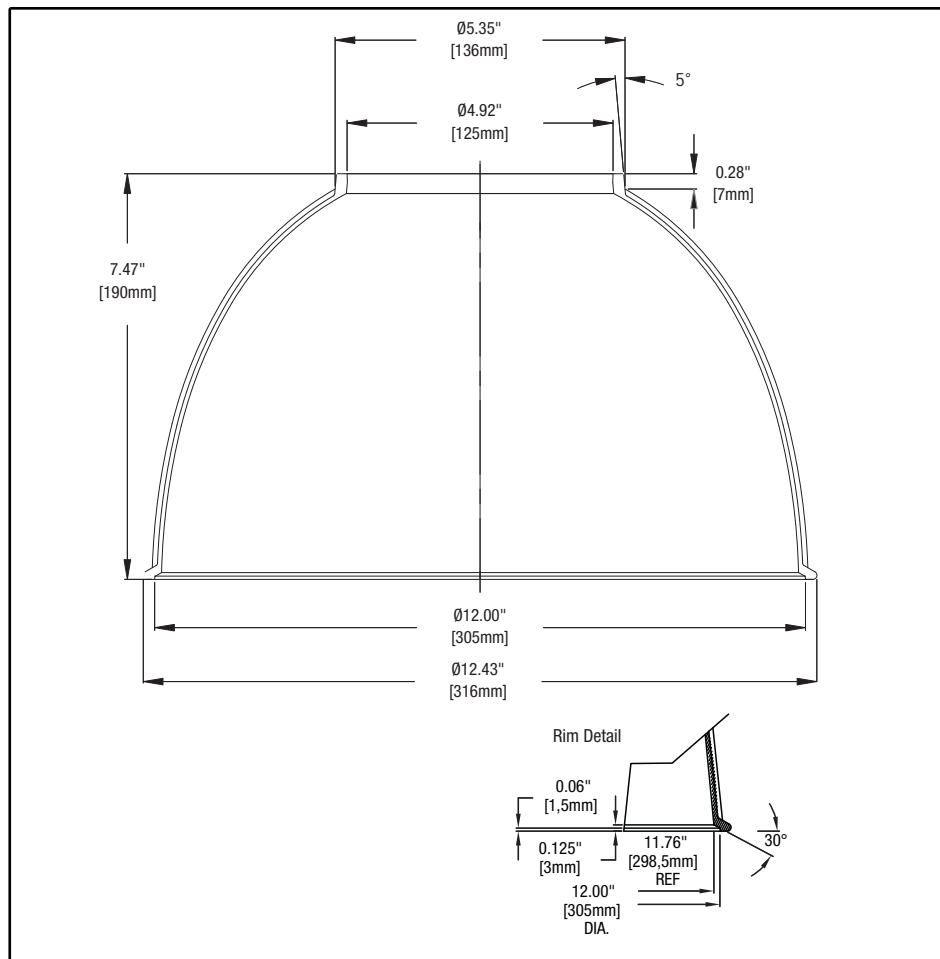
The above, with the exception of the Model 12ASDE will be found in UL's Recognized Component Directory under file number E134182.

**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](http://www.alplighting.com).

When using an acrylic Model 812i, the surface temperature of the Reflexor should not exceed 80°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.**