



Model 812

### General Description

The Model 812 is an energy efficient 12.43" diameter prismatic Reflexor<sup>®</sup> designed to be used in open or closed luminaires.

### Features and Benefits

- Rated up to 175 watts with an open bottom or 100 watts if using a bottom lens.
- Provides glare-control and lamp/light source hiding mechanisms.
- Available in UV stabilized Acrylic in Clear, Moon Glow<sup>™</sup> (for moderate diffusion), Lumieo<sup>™</sup> (for greater diffusion) for high efficiency in general lighting or Interface<sup>®</sup> version yields high down light efficiency and a gentle glow for maximum brightness control.
- Additional up-light is provided with the use of material such as Moon Glow or Lumieo.
- Available in Clear Polycarbonate for areas where breakage and high ambient heat are concerns.
- Used with collars for 4.90" open tops, or with closed flat top for custom/ customer hole patterns to best fit Light Engine of choice.
- Accommodates standard 12" diameter bottom lenses to be held in place by a clamp band. Primarily for applications where brightness control is paramount. Bottom lenses also enhance up-light.

### Applications

The Model 812 is designed to be used in office gathering and conference spaces, and retail, hospitality spaces, and residential spaces. It is exceptionally suited for mounting heights of 8-16 feet. The AC-FC lens is recommended for LED applications and the AC-LG lens for HID applications.

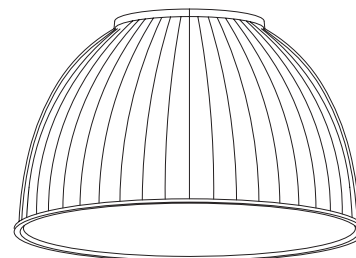
Before final installation of Reflexors, dissipate static on parts by spraying with de-staticized air or by wiping with a clean, damp rag. This will help minimize dust build up on the Reflexor.

### 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

7.47" high  
12.43" diameter

### Materials

Acrylic:  
Clear  
Moon Glow<sup>™</sup>  
Lumieo<sup>™</sup>  
Interface<sup>®</sup>  
Polycarbonate:  
Clear

### Accessories/Options

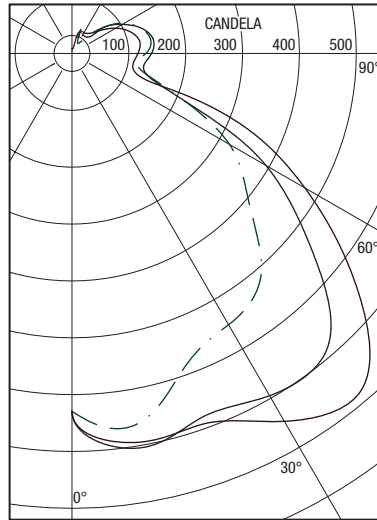
Smooth Flat Lens  
Smooth Domed Lens  
Conical Drop Lens  
Aluminum clamp band

For customized cuts please fill out a 812 Order sheet located on our website [www.alpadvantage.com](http://www.alpadvantage.com) or contact your customer service representative

## Fixture Performance for Reference Only

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

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.



## Lumen Summary

Zone	Lumens	%Lamp	% Fixture
0-30	566	17.7	18.4
0-40	1007	31.5	32.8
0-60	1953	61.0	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	17.0
90-180	547	17.1	17.8
0-180	3067	95.8	100.00

## Materials

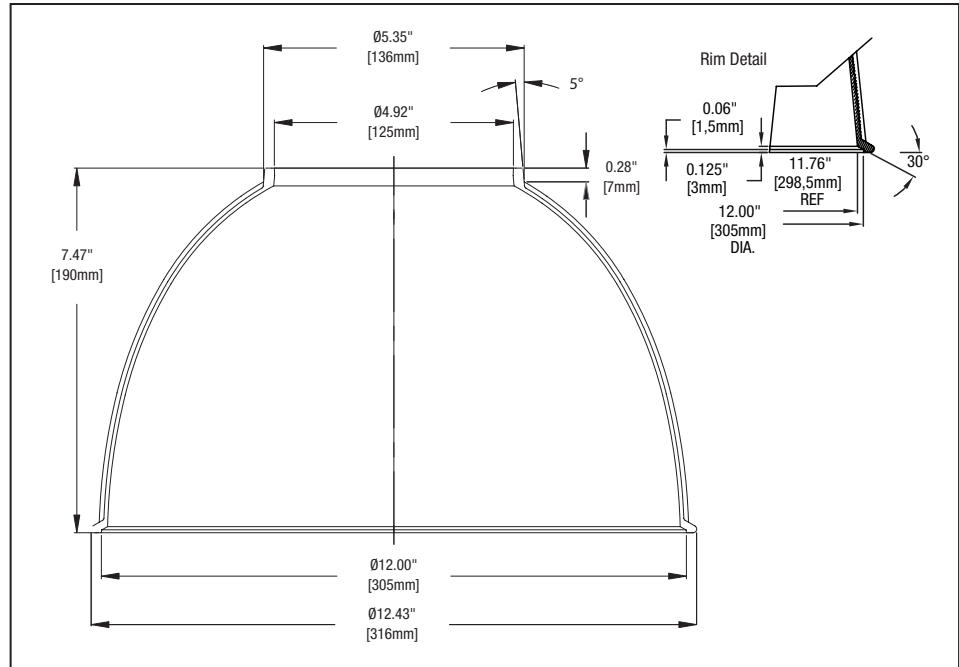
See the LexaLite® brand price list for current part numbers and material offerings. Up-to-date and detailed material specifications can be found in the Resources section on our website [www.alpadvantage.com](http://www.alpadvantage.com).

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.

## 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.*