**Dimensions**

12" H x 12" W x 2.5" D

**Materials**Clear acrylic,  
frost acrylic,  
clear polycarbonate and  
flame retardant polycarbonate**General Description**

These injection molded lenses are manufactured using clear and frost acrylic or clear polycarbonate. The polycarbonate version provides protection of the light source against abuse, such as severe impact and vandalism. This new shallow 12x12 version is intended for use with existing die cast housings, such as the QSSI VN41. The prism structure provides excellent lamp hiding power and improves the distribution for better uniformity. With an appropriate LED light the I43 shallow can meet DLC parking garage distribution requirements. With internal reflectors, it can also meet DLC Canopy requirements.

**Features and Benefits**

- Square prism pattern provides a square distribution
- Textured bottom optics improve efficacy and lamp hiding
- US made refractor improves made in the USA content
- UL recognized acrylic and polycarbonate materials
- For Class I devices, Flame Retardant Polycarbonate is recommended. It has been tested to UL94 5" Flame Test protocol and is a UL recognized component.

**Lamp Data**

This I43 is intended to be used with LED luminaires. In most cases its shallow depth will preclude the use of HID, fluorescent or other traditional sources.

**Applications**

These molded lenses are suitable for interior and exterior applications.

**Ordering Information**

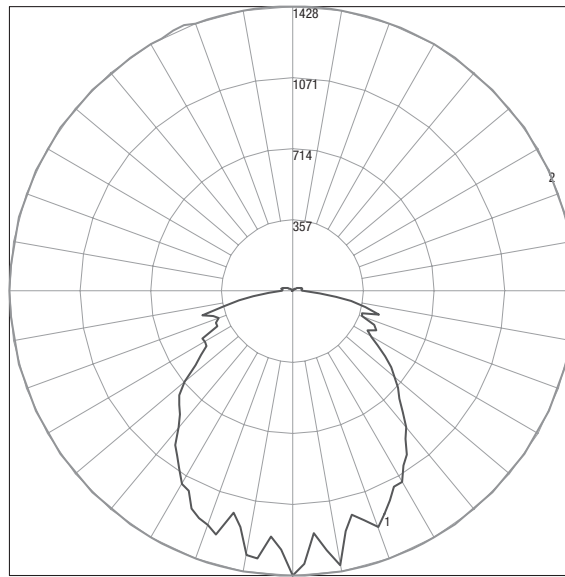
Please call 877-257-5841 for price and delivery. Specify size when placing an order. Typical lead time is four to six weeks.

**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).

## Photometry

**Report Number:** 05031  
**Issue Date:** 06/24/14  
**Prepared for:** LexaLite Brand  
**Catalog Number:** I43  
**Luminaire:** 12x12 Canopy fixture with LexaLite I43 Shallow Acrylic Lens  
**Lamp Cat. No.:** Two outside boards Of 6 LEDs and two inside boards of 4 LEDs (20 Total LEDs) in square pattern  
**Mounting:** Pendant  
**LED Driver:** Inventronics EUC-050S070ST  
**Watts:** 47.3 @ 120 Volts  
**Test Procedure:** IESNA LM-79-08  
**Lumen Per Watt:** 88.31



Maximum Candela = 1428.22 Located At Horizontal Angle = 0, Vertical Angle = 0  
 # 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
 # 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

Flux Distribution by Solid Angle		
(Per IESNA TM-15-07, Luminaire Classification System for Outdoor Luminaires)		
	Lumens	Percent of Fixture
Forward Light		
FL (0 - 30)	1970.4	12.3
FM (30 - 60)		22.0
FH (60 - 80)		11.1
FVH (80 - 90)		2.5
Back Light	1969.0	
BL (0 - 30)		12.2
BM (30 - 60)		21.9
BH (60 - 80)		11.1
BVH (80 - 90)		2.6
Uplight	176.6	
UL (90 - 100)		1.5
UH (100 - 180)		2.8
Trapped Light	0.	0.0
<b>Total Flux</b>	<b>4116.</b>	<b>100.0</b>
<b>Lumens per Watt</b>	<b>87.0</b>	

## 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).

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 or damage, including without limitation, indirect or consequential loss or damage in connection with the use of this information.

## Notice

A.L.P. Lighting Components, Inc., assumes no responsibility for suitability of these materials in any luminaire or application. Please test for fit and function prior to ordering project quantities.

