**Dimensions**

2.5" diameter
12" height
12" width

Materials

Acrylic:
Clear
Polycarbonate:
Clear
Fire Retardant

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.

Applications

The 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. These molded lenses are suitable for interior and exterior applications.

Before final installation, 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.

Service Life

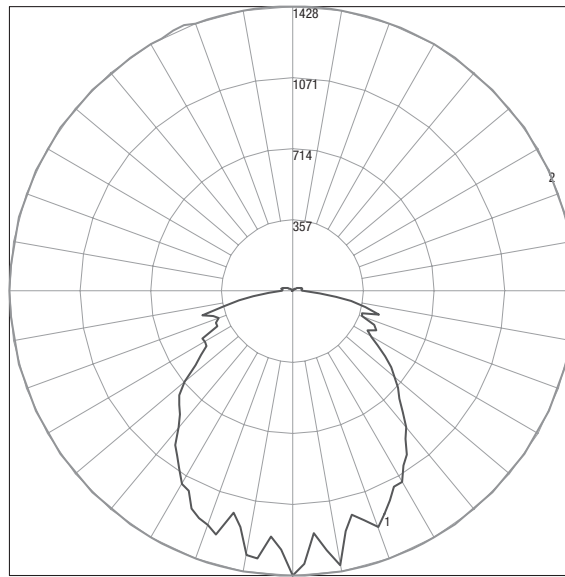
The service life of acrylic refractors is virtually unlimited when used within the recommended temperature limit. Polycarbonate refractors are subject to yellowing especially when used with high ultraviolet output light sources; this effect is enhanced at high temperatures.

Ordering Information

Please call 877-257-5841 for pricing and delivery.

Fixture Performance for Reference Only

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	1970.4	
FL (0 - 30)		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
Total Flux	4116.	100.0
Lumens per Watt	87.0	

Materials

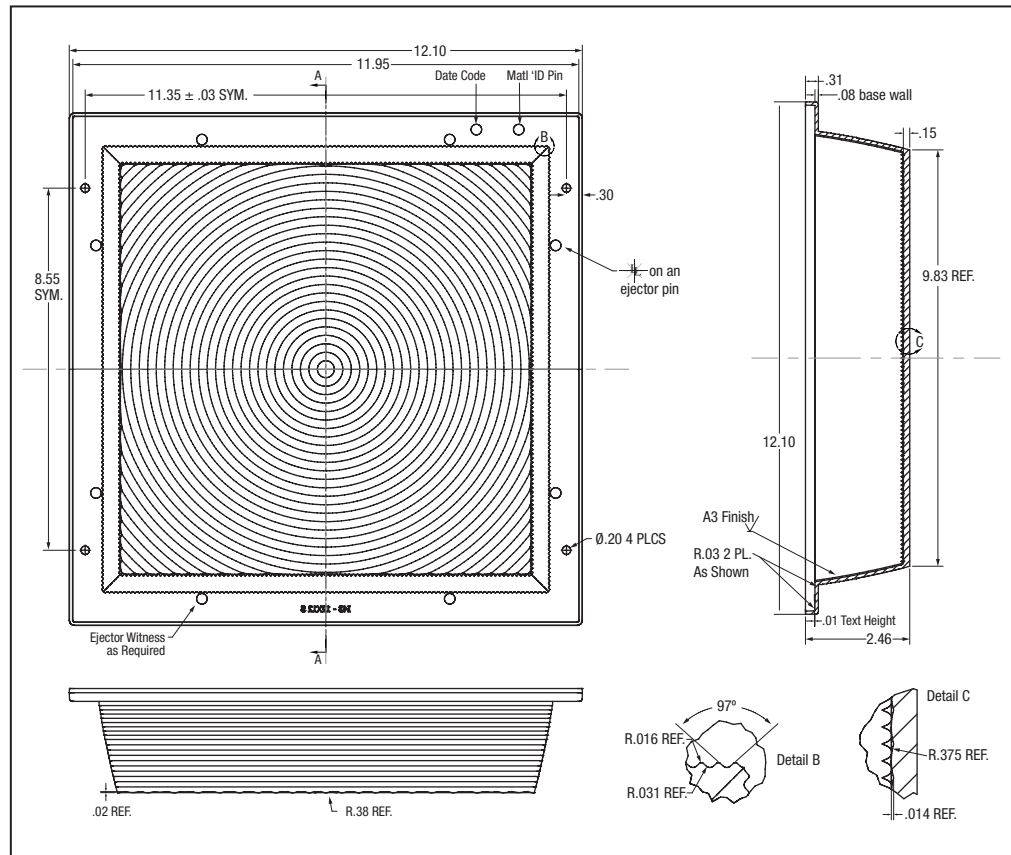
See the LexaLite® brand price list for current part numbers and material offerings. Up-to-date and detailed material specifications can be found in the Resources section on our website www.alpadvantage.com.

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.