

Description

DASSL™ (Diffuse Asymmetric Symmetric Surgery Lens) can be assembled in recessed or surface mounted luminaires. These biased diffuse microstructure lens provides improved LED hiding power, smooth distribution, and both symmetrical (along axis) and asymmetrical (cross axis) lighting distributions. Unlike the T620A or other linear optic lenses, lamp alignment has less impact on distribution.

Application

DASSL Lens is ideally suited for surgical suite lighting or similar applications where an asymmetric distribution provides more light on a targeted work surface. A conductive grid which shields electromagnetic interference (EMI/RFI) that can help the fixture comply with the requirements of MIL-STD-461(E) standard.

The table side/room side split is 58% to 42%. The Asymmetric lobe has a main beam angle of 17.5 degrees. The typical beam distribution information can be found on the back page. The photometric data from test 06975 shows beam distribution from a 6-board LED fixture that achieves 20114 lumens.

Lamp Data

LED board and tube lamps, T5 and T8 fluorescent sources are appropriate for use with the DASSL.

Ordering Information

Ordering Information Please call (877) 257-5841 for price and delivery.

Specify lens size when placing an order. Custom widths and lengths are available.

Note

2x4's may be cut down to any lesser length and width. Chevrons indicating the asymmetric pattern are on the two long edges and depending on how parts are cut, may result in narrow parts having the chevrons on different edges, while still indicating the correct pattern direction.

Widths:
23-3/4"

Lengths:
47-3/4"
Custom sizes available

Warp tolerance: Flat to + .25"

Lenses for commercial, institutional, hospital, retail and residential applications

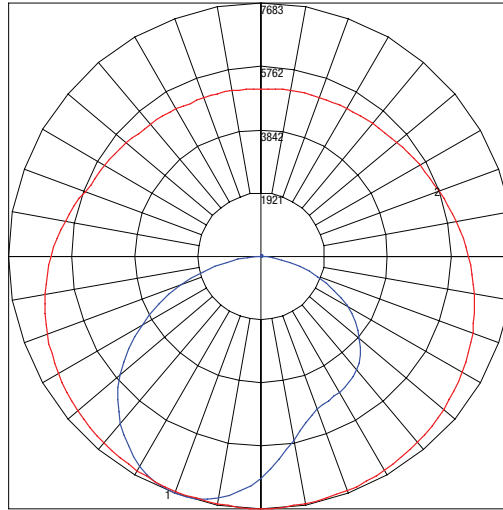
Standard Material:

Acrylic
RFI shielding available

Handle with Extreme Caution

DASSL lenses have microstructure optics on the top surface. These features are very easy to scratch or permanently fingerprint. Handle lenses with gloves at all times. Report any freight damage immediately upon receipt. If product has shifted within a pack, inspect immediately for scratches. DASSL lenses are shipped with protective film on the smooth surface. It is recommended this remain in place for as long as possible to avoid handling damage.

Report Number: 06975
Issue Date: 6/23/2020
Catalog Number: DASSL Lens
Luminaire: 2X4 Recessed 6 Row LED
 Asymmetric Fixture with Miniature Optics
Lamp Cat. No.: Customer Supplied
Mounting: Recessed
Ballast: Customer Supplied
Test Procedure: IESNA LM-79-08



Maximum Candela = 7683.19 Located At Horizontal Angle = 270, Vertical Angle = 17.5
 # 1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)
 # 2 - Horizontal Cone Through Vertical Angle (17.5) (Through Max. Cd.)

Lumen Summary

Zone	Lumens	% Fixture
0-30	5236.88	26.04
0-40	8671.08	43.12
0-60	15736.88	76.26
0-90	20070.91	99.81
90-180	37.49	0.19
0-180	20108.39	100.0

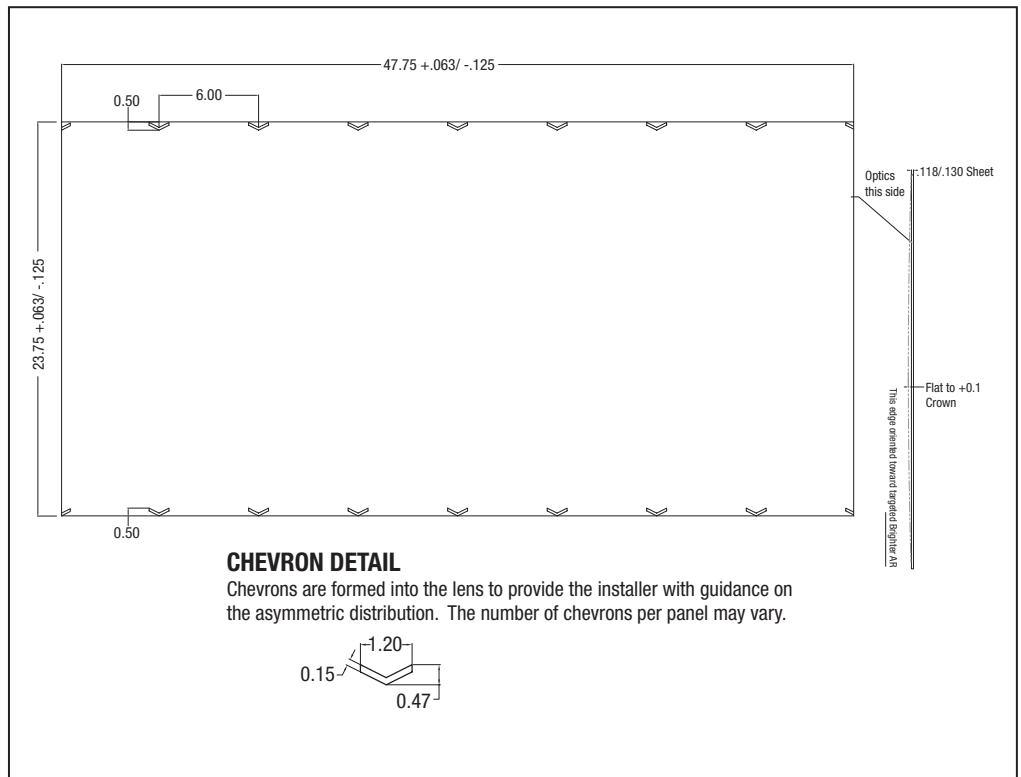
Total Luminous Flux (lm) = 20108.4
 Luminous Efficacy (lm/W) = 127.268
 CIE Type - Direct
 Maximum Intensity (cd) = 7680.26
 Luminous Width (feet) = 1.999
 Luminous Length (feet) = 3.999
 Luminous Diameter / Height (feet) = 0
 Spacing Criterion (0 to 180) = 1.186
 Spacing Criterion (90 to 270) = 1.284

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.

Notice

A.L.P. assumes no responsibility for suitability of luminaires and applications. The use of lenses near and above 70°C temperatures with high UV output light sources will cause degradation of the material.



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.