



General Description

The Square12 is a Housing/Lens combination providing exceptional glare control and a wide distribution. The rounded-square shape of the Square12 ensures good impact strength with a pleasant appearance. The upper housing is made from high impact white polycarbonate suitable for dissipating 42w at 40°C (depending on mounting style and driver). The enclosure is IP66 rated. A knock-out on each side accommodates conduit, occupancy and/or wireless sensors. Knock-outs on the top provide mounting to standard J-Boxes. Integral or installed gaskets are options.

Features and Benefits

- LED grade clear polycarbonate makes the Square12 perfect for high impact applications.
- All material choices will allow the Square12 to pass DLCv 4.1
- Light distribution in all material choices meet stairwell and passageway requirements
- Canopy and parking garage listings are chip/board placement dependant
- LED grade acrylic bottom lens is cost effective, offers higher transmittance and excellent lamp hiding.

- The housing, lens, and latches are made in the USA.
- The housing is a cost effective alternative to painted die cast housings.
- Is ADA compliant for wall mount applications.

Applications

Suited for canopy, parking garage, security, stairwell, corridors and many other applications where a shallow profile fixture, brightness control and wide distribution are desirable. 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. Typical lead time is 2-4 weeks.

Dimensions

3.8" x 12" square

Materials Lens

Acrylic:

Clear

Moon Glow™

Lumieo™

Polycarbonate:

Clear

Housing

Polycarbonate white

Accessories/Options

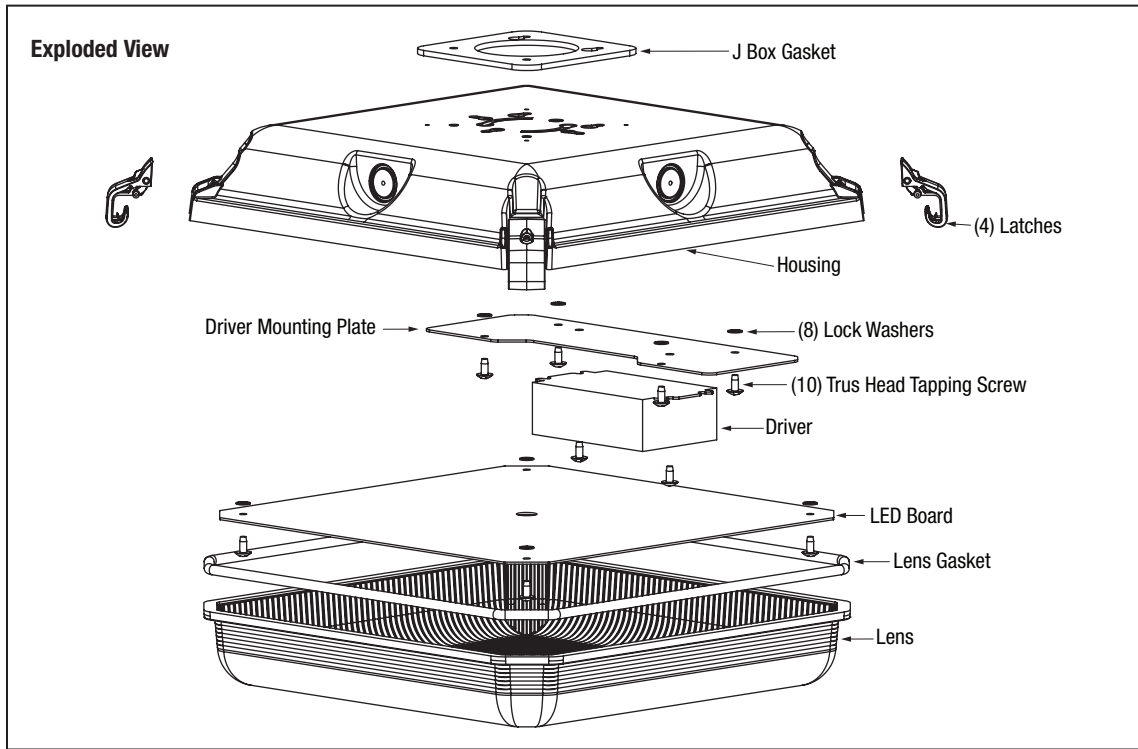
Stainless steel latches

Polycarbonate latches Clear or White

Silicone gasket

All specifications subject to change without notice. A.L.P. Lighting Components, Inc. assumes no responsibility for these materials in any luminaire or application.

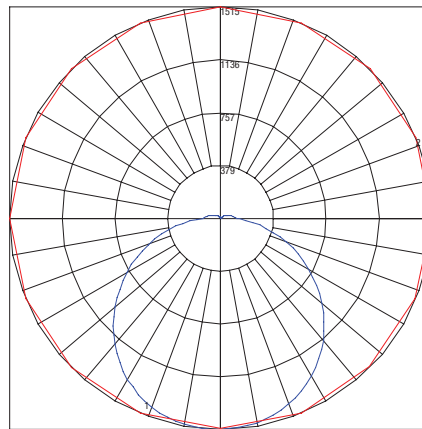
The product is an OEM component kit requiring final assembly by a qualified OEM fixture manufacturer.



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.

Fixture Performance for Reference Only

A.L.P. LexaLite Brand Test Report 05978	
Specification	Square12
Input Wattage	43.9
Delivered Lumens (lms)	5153
Efficacy (LpW)	117.46
Voltage (V)	120-277v



Maximum Candela = 1514.6 Located At Horizontal Angle = 112.5, Vertical Angle = 2.5
 # 1 - Vertical Plane Through Horizontal Angles (112.5 - 292.5) (Through Max. Cd.)
 # 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-30	1195.9	23.20
0-40	1974.92	38.30
0-60	3572.5	69.30
0-90	4861.15	94.30
90-110	191.22	3.70
90-130	271.18	5.30
90-150	288.58	5.60
90-180	291.57	5.70
0-180	5152.71	100.0

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.