

DESCRIPTION

6 inch LED square recessed lensed wall wash specially designed for LED technology. Two-stage reflector system combined with angle cut and spread lens produces high levels of uniform vertical illumination on the wall with no flashback or glare. Color temperatures of 2700K, 3000K, 3500K, 4000K. Suitable for commercial construction.

PORTFOLIO™

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Lower Wall Wash Reflector

Angle cut parabolic aluminum lower reflector in combination with spread lens provides even vertical illumination with minimal downlight contribution. Available in all Portfolio Alzak® finishes.

Trim Retention

Reflector is retained with two torsion springs holding the flange tightly to the finished ceiling surface.

Plaster Frame / Collar

Galvanized steel plaster frame with adjustable collar adjusts for up to 2" thick ceilings and rotates +/- 7.5°.

Universal Mounting Bracket

Accepts 1/2" EMT, C channel and bar hangers and adjusts 5" vertically from above and below the ceiling.

Junction Box

(4) 1/2" and (2) 3/4" trade size pry outs positioned to allow straight conduit runs. Listed for (8) #12 AWG (four in, four out) 90°C conductors and feed thru branch wiring.

Thermal

Extruded aluminum heat sink conducts heat away from the LED module for improved performance and longer life.

LED

LED system contains a plurality of high brightness white LED's combined with a high reflectance upper reflector and convex transitional lens producing even distribution with no pixilation. Rated for 50,000 hours at 70% lumen maintenance. Auto resetting, thermally protected, LED's are turned off when safe operating temperatures are exceeded. Color variation within 3-step MacAdam ellipses. Flexible disconnect allows for tool-less replacement of LED engine from below ceiling.

Driver

Driver can be serviced from above or through the aperture.

Environmental

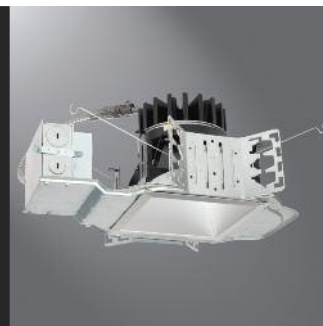
Fixture should not be operated in ambient temperatures above 40° C.

Code Compliance

Thermally protected and cULus listed for protected wet locations. Optional City of Chicago environmental air (CCEA) marking for plenum applications. EMI/RFI emissions per FCC 47CFR Part 18 Class B consumer limits. Non-IC rated - Insulation must be kept 3" from top and sides of housing. RoHS Compliant. Title 24 2008 Compliant with designated trims. ARRA Compliant. Photometric testing completed in accordance with IES LM 79 standards. LED life testing completed in accordance with LM 80 standards.

Warranty

5 year warranty.



LDSQ620

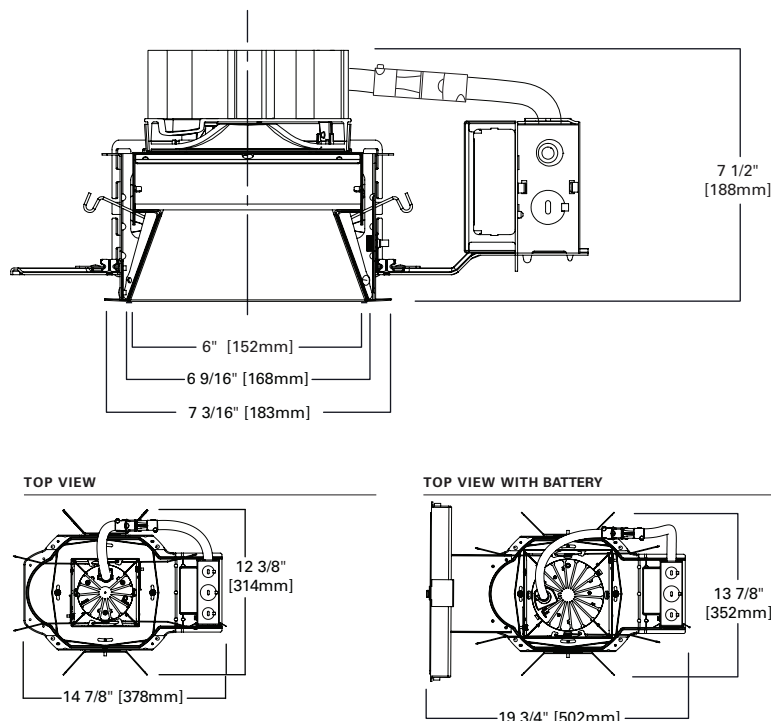
6LSQLWW

2000 LUMEN

LED

6 Inch

Square Lens Wall Wash



Energy Data

Sound Rating: Class A standards	
Operating Temperature: 40°C (104°F)	
2000 Lumen	
(Values at non-dimming line voltage)	
Minimum Starting Temp: -30°C (-22°F)	
EMI/RFI: FCC Title 47 CFR, Part 18, Class B (Consumer)	
Input Voltage: UNV (90V - 305V)	
Power Factor: >0.90 (at nominal input 120/230/240/277 VAC & 100% of Rated Output Power)	
Input Power: 36W	THD: <21%
120V Input Current: .4A	277V Input Current: .14A
Maximum Non-IC Ambient Continuous	
Input Frequency: 47-63Hz	
Rated Wattage: 36W	

ORDERING INFORMATION

Example:

LDSQ620D010 ESQ6835 6LSQLWW0LI = 6" Square LED Lens Wall Wash, 2000 lumen 3,500 K CCT with Universal 120 - 277V, 0 - 10 Driver

Housing	Delivered Lumens ¹	Driver	Options	Power Module	Color	Reflector	Finish	Options	Accessories
LDSQ6 = 6" aperture LDSQ6CP = 6" aperture, Chicago Plenum	20 = 2000 lumens	D010 = 10 to 100% dimming, 120-277V, 50/60Hz, 0-10V DLUT = 1 to 100% dimming, 120-277V Lutron Hi-lume	EMBOD = Bodine Emergency module with remote test switch ^{3, 4}	ESQ6 = 6" module for square reflector	827H20 = 80 CRI, 2700° K 830H20 = 80 CRI, 3000° K 835H20 = 80 CRI, 3500° K 840H20 = 80 CRI, 4000° K 827CPH20 = 80 CRI, 2700° K, Chicago Plenum 830CPH20 = 80 CRI, 3000° K, Chicago Plenum 835CPH20 = 80 CRI, 3500° K, Chicago Plenum 840CH20P = 80 CRI, 4000° K, Chicago Plenum	6LSQLWW0 = Lens wall wash reflector, polymer trim ring 6LSQLWW1 = Lens wall wash reflector, self flanged	LI = Specular Clear H = Semi-Specular Clear WMH = Warm Haze G = Specular Gold WH = Wheat WHH = Wheat Haze GP = Graphite GPH = Graphite Haze B = Specular Black W = Gloss White	WF = White painted flange (self flanged only) IP66 = IP66 Gasket	HB26 = C Channel Bar Hanger, 26" Long, Pair HB50 = C Channel Bar Hanger, 50" Long, Pair RMB22 = Wood Joist Bar Hanger, 22" Long, Pair H277 = 277 to 120V step down transformer, 300VA H347 = 347 to 120V step down transformer, 75VA H347200 = 347 to 120V step down transformer, 200VA

Notes: 1 Nominal delivered Lumens will vary depending on selected CCT, driver and reflector finish.
2 Order trim with polymer trim ring (Consult specification sheet for ordering information and options).
3 Not available with Chicago Plenum.
4 Not CSA approved.