

DESCRIPTION

6 inch LED recessed sealed downlight specially designed for LED technology. Two-stage reflector system produces smooth distribution with excellent light control and low aperture brightness. Lumen packages include 1000, 1500, 2000 and 3000 delivered lumens with color temperatures of 2700K, 3000K, 3500K and 4000K. Regressed trim accepts a variety of lenses. IP66 standard.

SPECIFICATION FEATURES

Lower Shielding Reflector

Self-flanged, spun .050" thick aluminum lower reflector in combination with a lensed upper optical chamber provides superior lumen output with minimal source brightness. Gasketing on top side of flange to seal reflector to ceiling. Anti-microbial matte white powder coat paint available.

Trim Retention

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

Plaster Frame / Collar

Die cast aluminum 1-1/2" deep collar accommodates ceiling materials up to 2".

Universal Mounting Bracket

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

Lens

Choice of prismatic or clear acrylic or tempered glass.

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

Code Compliance

Thermally protected and cULus listed for protected wet locations. IP65 standard from below the ceiling. 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. Photometric testing completed in accordance with IES LM 79 standards. LED life testing completed in accordance with LM 80 standards. NSF rated. IP65 rated (non EM only).

Warranty

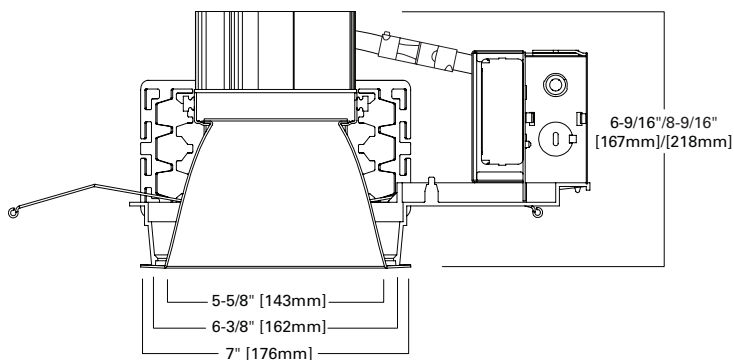
5 year warranty on LED housings, LED Modules and LED Trims.



FLD6A FSR6LM

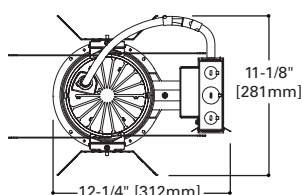
6" Sealed/Medical LED Downlight
Regressed Lens

1,000, 1,500, 2,000 or 3,000 Lumens

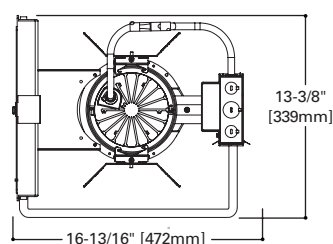


LUMENS	HEIGHT
1000	6-9/16"
1500	6-9/16"
2000	8-9/16"
3000	8-9/16"

TOP VIEW



TOP VIEW - WITH BATTERY



ENERGY DATA

Delivered Lumens	Input Watts
1000	14.7
1500	22.6
2000	33.6
3000	46



ORDERING INFORMATION

Example:
Line item #1: Housing: FLD6A15D010TE
Line item #2: Power Module: FERM6A10835
Line item #3: Reflector: FSR6LM1LI94

Housing	Delivered Lumens ¹	Driver	Options	Power Module	Lumens	CRI	Color Temp	Reflector	Finish	Lens	Options	Accessories			
				FERM6A											
FLD6A= 6" aperture FLD6ACP= 6" aperture, Chicago Plenum ⁴ 10= 1000 lumens 15= 1500 lumens 20= 2000 lumens 30= 3000 lumens D010TE= 120-277V, 0-10V 10% dimming or trailing edge 120V dimming D5LT= Fifth Light DALI dimming DL3= 1% - 100% dimming, 120-277V Lutron Hi-lume Ecosystem or 3-wire DLT= 1% - 100% dimming, 120V Lutron Hi-lume forward phase dimming DMX= DMX dimming DE010= 1-100% Dimming, 120-277V, 50/60Hz, 0-10V IEMBOD= Bodine Emergency with integral test switch ^{2, 3}				FERM6A = 6" module for medium beam reflector 10= 1000 15= 1500 20= 2000 30= 3000 8= 80 9= 90 27= 2700K 30= 3000K 35= 3500K 40= 4000K 27CP= 2700K, Chicago Plenum 30CP= 3000K, Chicago Plenum 35CP= 3500K, Chicago Plenum 40CP= 4000K, Chicago Plenum				FSR6LM1= Medium reflector, self- flanged FSR6LM1E= Medium reflector, self- flanged for use with IEM integral emergency option LI = Specular Clear ⁵ W = Matte White, Anti-microbial Paint [Blank] = Leave blank for standard .060" thick diffuse polycarbonate lens 80 = 0.125" prismatic acrylic, inverted 93 = 0.156" prismatic tempered glass, inverted 94 = 0.187" clear tempered glass 89BV = 0.125" smooth clear acrylic WF = White painted flange (LI finish only)				HB26= C Channel Bar Hanger, 26" Long, Pair HB50= C Channel Bar Hanger, 50" Long, Pair RMB= Wood Joist Bar Hanger, 22" Long, Pair			

Notes:
1 Nominal delivered Lumens will vary depending on selected CCT, driver and reflector finish.
2 Not available with Chicago Plenum.
3 Not CSA approved.
4 Not available with emergency battery pack.
5 LI finish not available anti-microbial.
6 Wall wash reflector not IP65 or NSF rated. Gasketing is applied around the kick reflector, to provide a seal.

PHOTOMETRICS

See website for IES/photometric files