

## DESCRIPTION

6 inch LED recessed vandal resistant 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 security lenses and is attached to the mounting frame with (4) flush tamper resistant screws on the trim flange.

Catalog #		Type
Project		
Comments		Date
Prepared by		

## 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. (4) countersunk holes on flange.

### Trim Retention

Four flush tamper resistant countersunk-screws on the trim flange secure the trim to the mounting frame.

### 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 polycarbonate or clear 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. 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.

### Warranty

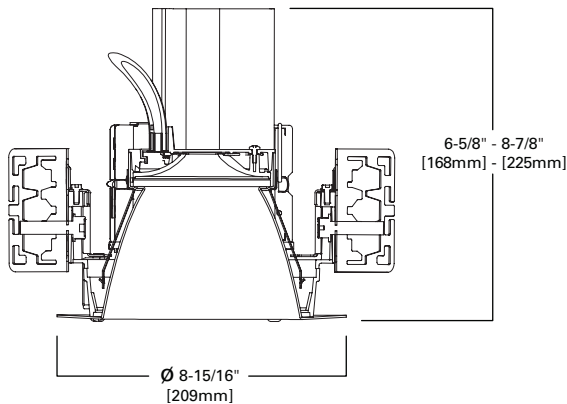
5 year warranty on LED housings, LED Modules and LED Trims.



## FVRLD6A FVR6LM

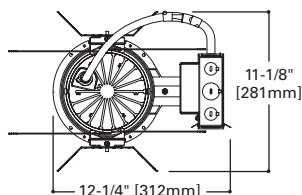
6" Vandal LED Resistant Downlight  
Regressed Lens

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

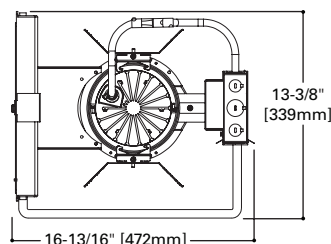


LUMENS	HEIGHT
1000	6-9/16"
1500	6-9/16"
2000	8-9/16"
3000	8-9/16"

## 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: FVRLD6A15D010TE  
 Line item #2: Power Module: FERM6A15940  
 Line item #3: Reflector: FVR6LM1LI82

Housing	Delivered Lumens <sup>1</sup>	Driver	Options	Power Module	Lumens	CRI	Color Temp	Reflector	Finish	Upper Lens	Bottom Lens	Options	Accessories
				FERM6A									
<b>FVRLD6A</b> = 6" aperture <b>FVRLD6ACP</b> = 6" aperture, Chicago plenum <sup>4</sup>				<b>FERM6A</b> = 6" module for medium beam reflector				<b>FVR6LM1</b> = Medium reflector, self- flanged <b>FVR6LM111</b> = Medium reflector, wall wash, self- flanged <b>FVR6LM1E</b> = Medium reflector, self- flanged for use with IEM integral emergency option				<b>WF</b> = White painted Flange (LI finish only) <b>IP66</b> = IP66 Ingress Protection Compliant <sup>6</sup>	
<b>10</b> = 1000 lumens <b>15</b> = 1500 lumens <b>20</b> = 2000 lumens <b>30</b> = 3000 lumens				<b>10</b> = 1000 <b>15</b> = 1500 <b>20</b> = 2000 <b>30</b> = 3000								<b>HB26</b> = C Channel Bar Hanger, 26" Long, Pair <b>HB50</b> = C Channel Bar Hanger, 50" Long, Pair <b>RMB</b> = Wood Joist Bar Hanger, 22" Long, Pair	
<b>D010TE</b> = 120-277V, 0-10V 10% dimming or trailing edge 120V dimming <b>D5LT</b> = Fifth Light DALI dimming <b>DL3</b> = 1% - 100% dimming, 120-277V Lutron Hi-lume Ecosystem or 3-wire <b>DLT</b> = 1% - 100% dimming, 120V Lutron Hi-lume forward phase dimming <b>DMX</b> = DMX dimming <b>DE010</b> = 1-100% Dimming 120-277V, 50/60Hz, 0-10V				<b>8</b> = 80 <b>9</b> = 90  <b>27</b> = 2700K <b>30</b> = 3000K <b>35</b> = 3500K <b>40</b> = 4000K <b>27CP</b> = 2700K, Chicago Plenum <b>30CP</b> = 3000K, Chicago Plenum <b>35CP</b> = 3500K, Chicago Plenum <b>40CP</b> = 4000K, Chicago Plenum				<b>LI</b> = Specular Clear <b>W</b> = Gloss White <b>AM</b> = Matte White Anti-microbial Paint  <b>[Blank]</b> = Leave blank for standard .060" thick diffuse polycarbonate lens <b>81</b> = 0.156" Prismatic, Polycarbonate <b>82</b> = 0.187" Prismatic, Polycarbonate <b>84</b> = 0.125" Clear, Polycarbonate <b>85</b> = 0.187" Clear, Polycarbonate					
<b>IEMBOD</b> = Bodine Emergency with integral test switch <sup>2,3</sup>													

## Notes:

- Nominal delivered Lumens will vary depending on selected CCT, driver and reflector finish.
- Not available with Chicago Plenum.
- Not CSA approved.
- Not available with emergency battery pack.
- Bottom lens is same diameter as reflector flange. Bottom lens has (4) counter sunk holes that line up with (4) holes on the reflector flange. Counter sunk tamper proof screws (4) secure bottom lens to reflector flange, which is secured to the housing with (4) cage-nuts.
- IP66 compliant not available with wall wash reflector (FVR6LM111).

**[Blank]** = No bottom lens specified  
**BL84**= Bottom lens, 0.125" thick Clear, Polycarbonate <sup>5</sup>  
**BL85**= Bottom lens, 0.187" thick Clear, Polycarbonate  
**BL89AM**= Bottom lens, 0.125" thick Opal, Polycarbonate

## PHOTOMETRICS

See website for IES/photometric files