Part #	**Prepared By**
Project	**Notes**
Type	
Date	

6" Round, EXTREME SHALLOW F-Class Gen V

Open, Reccessed LED Downlight, 750-5000 Lumens



Features & Specifications

ELECTRICAL SYSTEM

- 750 - 5000 lumens
- 2700K - 5000K CCT
- 80 CRI with 3 SDCM color consistency (+90 CRI optional)
- Standard 0-10V 1% dimming driver, ZDM; optional drivers available
- 120V - 277V Universal Input Volts, 347V option
- Minimum 50,000 hour lifetime at L70
- -20°C to 30°C Ambient Operating Temperature Range

OPTICS

- Precision spun architectural-grade reflector
- Reflectors available in Specular Clear, Soft Glow Clear & White Matte finsihes
- Distribution is free of streaks, striations and hotspots
- 80° Wide distribution
- 45° Cutoff

FRAME & MOUNTING

- Galvanized steel frame with integrated junction box featuring hinged access covers with spring retaining latches
- Vertically adjustable rigid formed mounting brackets that accept a variety of mounting bars with auxillary nail holes and T-bar slots
- T-Bars included, suitable for joist spacing from 12" to 24"
- Supports straight conduit runs - (3) 3/4" knockouts
- Through branch wiring - (8) #12 AWG (4 in, 4 out), 90°C conductors
- Accessibility to all LED components from below ceiling
- Flush to the ceiling reflectors, secured by high quality friction clips

Listings

- ETL certified to UL 1598 and UL8750 requirements
- Tested according to LM-79 and LM-80 standards
- Energy Star® certified versions available (see Vantage Energy Star® guide for details)
- Suitable for damp locations under covered ceiling
- Buy American Act (BAA)

Warranty & Notes

- 5-year limited warranty on LED module and driver
- www.vantageltg.com/product-warranty
- Photometric tests peformed by an accredited NVLP facility and in accordance to IESNA LM-79-2008 testing procedures
- Insulation must be kept 3" away from luminaire

Lumens*

Nominal Lumens	Delivered Lumens	Wattage	Lumens Per Watt
750	633	9.4	67.34
1100	928	15.4	60.26
1500	1265	21.6	58.56
2000	1687	27.2	62.02
3000	2530	33.5	75.52
4000	3374	45.6	73.99
5000	4217	57.2	73.72

All measured at 3500K with a standard wide distribution
*Actual Wattage/Lumens may vary.

Ordering Information

EXAMPLE: A6VOFLEDESU-1130K-W6060-SGC-ZDM

A6VOFLEDES		-		-		-	W6060	-		-	

Series	Voltage	Lumens	Kelvin (CCT)	Reflector	Finishes	Options**	
A6VOFLEDES	**U** - 120V-277V **1** - 120V **2** - 277V **3** - 347V (347V Step Down Transformer) *Must provide voltage when optional drivers are selected.	**07** - 750 **11** - 1100 **15** - 1500 **20** - 2000 **30** - 3000 **40** - 4000 **50** - 5000	**27K** - 2700K **30K** - 3000K **35K** - 3500K **40K** - 4000K **50K** - 5000K	**W6060** Wide 80° Open Reflector	**SCL** Specular Clear **SGC** Soft Glow Clear **WHT** White Matte *All trims supplied standard with white painted flange.	**ZDM** (standard) **DTD** **DMX** **DCA** **TDM** **DMM** **DL-2** **DL-3** **LDE1** **PEQ0**	**HCR** **PF** **EM17** **EM-CW-LED** **GR-4-"xx"** **GTD** **SENSDYOC** **BRGESEN**

**Options Notes

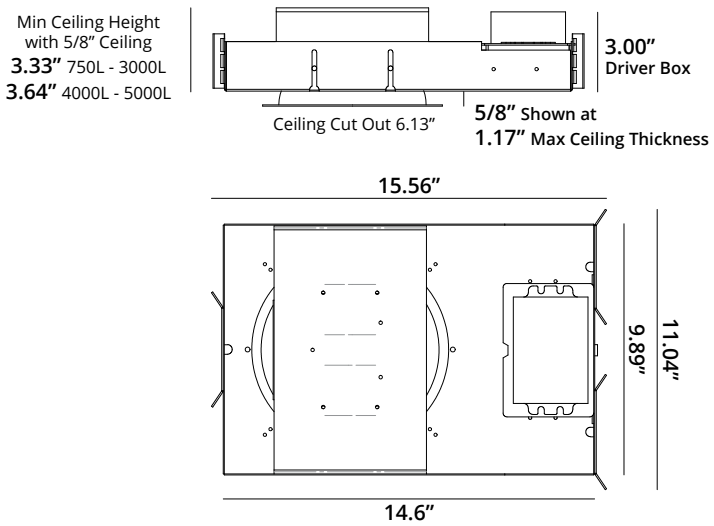
ZDM - 0-10V 1% dimming driver (standard)
DTD - 0-10V 0.1% dimming driver. (up to 4000 lumens)
DL-2 - Lutron 2-Wire Hi-lume dimming driver. (up to 3000 lumens)
DL-3 - Lutron Hi-lume 1% 3-wire dimming driver. (up to 3000 Lumens)
LDE1 - Lutron Hi-lume 1% with Soft-On, Fade-to-Black dimming driver. (up to 4000 lumens)
PEQ0 - Lutron Hi-lume Premier 0.1% with Soft-On, Fade-to-Black dimming driver. (up to 4000 lumens)
DMX - DMX with RDM dimming driver, requires DCA
DCA - Daisly Chain Adaptor
HCR - High CRI, 90+ minimum. (Not available in 5000 Kelvin)
PF - Polished Flange
EM17 - Battery Backup W/remote Test Button & Indicator Light (for 800-5000 Lumens)
GR-6-"xx" - 6" Goof Ring (inner Dimension - Specify outer dimension In place of 'xx')
GTD - Generator Transfer Device
SENSDYOC - Daylight/occupancy Sensor - remote mount
BRGESEN - Bridge up to 400 Watts for Sesndyoc

Vantage reserves the right to change components, finishes or design details in any manner which does not alter the installed appearance or reduce performance and intended function.

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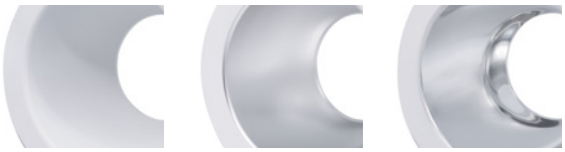
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Dimensional Data



Ceiling Thickness	Above Ceiling Height 750-3000LM	Above Ceiling Height 4000-5000LM
1/4”	3.705	4.015
3/8”	3.58	3.89
1/2”	3.455	3.765
5/8”	3.33	3.64
1”	3.00	3.00

Reflector Finishes



WHT
White Matte

SGC
Soft Glow Clear

SCL
Specular Clear

Photometry

WIDE 80°

Model
A6VOFLEDES-1535-W6060-SCL

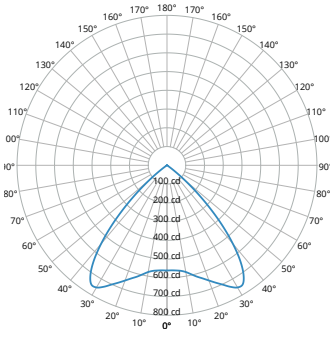
Lumens
1,265

Watts
21.6

Efficacy
58.56

SC
1.61

Candela Curve



Cone of Light

Mounting Height AFF	FC at Center on Floor	Beam Diameter
8.0 '	9 fc	15.4 '
10.0 '	6 fc	19.3 '
12.0 '	4 fc	23.1 '
14.0 '	3 fc	27.0 '
16.0 '	2 fc	30.8 '
20.0 '	1 fc	38.5 '
24.0 '	1 fc	46.2 '
30.0 '	1 fc	57.8 '

Candela Table

	0.00°
0.00°	561
5.00°	563
10.00°	578
15.00°	615
20.00°	654
30.00°	752
40.00°	547
50.00°	126
60.00°	3
70.00°	0
80.00°	0
90.00°	0

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0° - 30°	554	44%
0° - 40°	982	78%
0° - 60°	1,264	100%
60° - 90°	1	0%
0° - 20°	229	18%
20° - 50°	1,004	79%
50° - 70°	32	3%
70° - 90°	0	0%
0° - 90°	1,265	100%
90° - 180°	0	0%
Total	1,265	100%

Spacing Criterion

Height	Spacing	Light Level*
8 ft	12.9 ft	~ 9 fc
10 ft	16.1 ft	~ 6 fc
12 ft	19.3 ft	~ 4 fc
8 ft	9.7 ft	~ 16 fc
10 ft	12.1 ft	~ 10 fc
12 ft	14.5 ft	~ 7 fc
8 ft	6.4 ft	~ 35 fc
10 ft	8.1 ft	~ 22 fc
12 ft	9.7 ft	~ 16 fc

* approximate direct light level at floor based on spacing criterion overlap

MULTIPLIER

CRI	Multiplier	Kelvin	Multiplier	Reflector Finish	Multiplier
80	1	2700K	0.939	SCL	1
90	0.8	3000K	0.975	SGC	0.95
		3500K	1	WHT	0.87
		4000K	1.035		
		5000K	1.098		

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