

Part #	Prepared By
Project	Notes
Type	
Date	

8" Round, EXTREME SHALLOW F-Class Gen V

Open, Recessed 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 finishes
- 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 auxiliary 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; Wet location 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 performed 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	738	9.4	78.51
1100	1082	15.4	70.26
1500	1476	21.6	68.33
2000	1968	27.2	72.35
3000	2952	33.5	88.12
4000	3936	45.6	86.32
5000	4920	58.5	84.10

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

Ordering Information

EXAMPLE: A8VOFLEDESU-1130K-W8060-SGC-ZDM

Series	Voltage	Lumens	Kelvin (CCT)	Reflector	Finishes	Options**
A8VOFLEDES	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	W8060 Wide 80° Open Reflector	SCL Specular Clear SGC Soft Glow Clear WHT White Matte *All trims supplied standard with white painted flange.	ZDM (standard) HCR PF EM17 DMX EM-CW-LED DCA GR-8-"xx" TDM GTD DMM SENSDYOC DL-2 BRGESEN LDE1 PEQ0

**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 - Daisy 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-8-"xx" - 8" Goof Ring (inner Dimension - Specify outer dimension in place of "xx")
 GTD - Generator Transfer Device
 SENS DYOC - Daylight/occupancy Sensor - remote mount
 BRGESEN - Bridge up to 400 Watts for Sensdyoc

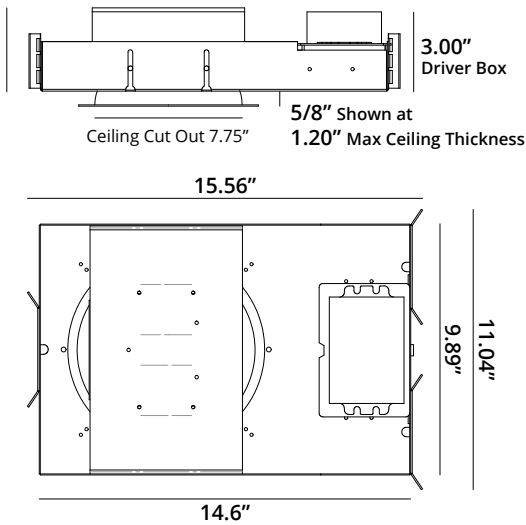
Vantage reserves the right to change components, finishes or design details in any manner which does not alter the installed appearance or reduce performance and intended function.

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Dimensional Data

Min Ceiling Height
with 5/8" Ceiling
3.26" 750L - 3000L
3.57" 4000L - 5000L



Ceiling Thickness	Above Ceiling Height 750-3000LM	Above Ceiling Height 4000-5000LM
1/4"	3.635	3.945
3/8"	3.51	3.82
1/2"	3.385	3.695
5/8"	3.26	3.57
1"	3.00	3.00

Reflector Finishes



WHT
White Matte



SGC
Soft Glow Clear



SCL
Specular Clear

Photometry

WIDE 80°

Model
A8VOFLEDES-2035K-W8060-SCL

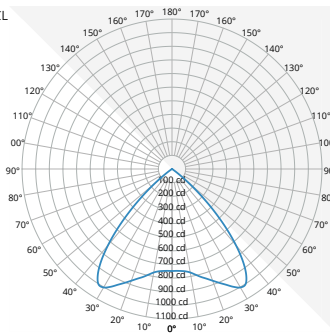
Lumens
1,968

Watts
27.2

Efficacy
72.35

SC
1.17

Candela Curve



Cone of Light

Mounting Height AFF	FC at Center on Floor	Beam Diameter
8.0 '	19 fc	8.7 ' "
10.0 '	12 fc	10.9 ' "
12.0 '	9 fc	13.1 ' "
14.0 '	6 fc	15.3 ' "
16.0 '	5 fc	17.4 ' "
20.0 '	3 fc	21.8 ' "
24.0 '	2 fc	26.1 ' "
30.0 '	1 fc	32.7 ' "

Candela Table

	0.00°
0.00°	1,239
5.00°	1,722
10.00°	2,121
15.00°	2,310
20.00°	2,150
30.00°	992
40.00°	187
50.00°	45
60.00°	15
70.00°	7
80.00°	0
90.00°	0

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0° - 30°	1,544	78%
0° - 40°	1,860	95%
0° - 60°	1,951	99%
60° - 90°	17	1%
0° - 20°	817	42%
20° - 50°	1,110	56%
50° - 70°	37	2%
70° - 90°	3	0%
0° - 90°	1,968	100%
90° - 180°	0	0%
Total	1,968	100%

Spacing Criterion

Height	Spacing	Light Level*
8 ft	9.4 ft	~ 19 fc
10 ft	11.7 ft	~ 12 fc
12 ft	14.0 ft	~ 9 fc
8 ft	7.0 ft	~ 34 fc
10 ft	8.8 ft	~ 22 fc
12 ft	10.5 ft	~ 15 fc
8 ft	4.7 ft	~ 77 fc
10 ft	5.8 ft	~ 50 fc
12 ft	7.0 ft	~ 34 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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