

Part #	Prepared By
Project	Notes
Type	
Date	

8" Round, EXTREME SHALLOW F-Class Gen V, IC-Rated Open, Recessed LED Downlight, 750-5000 Lumens



Features & Construction

ELECTRICAL SYSTEM

- 750 - 5000 lumens
- 2700K - 5000K CCT
- 80 CRI with 3 SDCM color consistency (+90 CRI optional)
- Standard 0-10V 1% dimming driver; optional drivers available
- 120V - 277V Input Volts
- 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 Alzak® and painted 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 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; Wet location under covered ceiling
- IC-Rated: insulation can be in direct contact with luminaire
- 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

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: AIC8VOFLEDESU-0730K-W8060-SCL

Series	Voltage	Lumens	Kelvin	Reflector	Finish*	Options*
AIC8VOFLEDES	U - 120V-277V 1 - 120V 2 - 277V *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 TDM HCR PF EM-17

*Options Notes

ZDM - 0-10V 1% dimming driver (standard).
TDM - Triac (Forward Phase, 120V only) dimming driver.
HCR - High CRI, 90+ minimum. Not available in 5000 Kelvin.
PF - Polished Flange
EM-17 - Emergency battery back-up. Remote test button & indicator light. For 750-5000 lumen luminaires.

Reflector Finishes

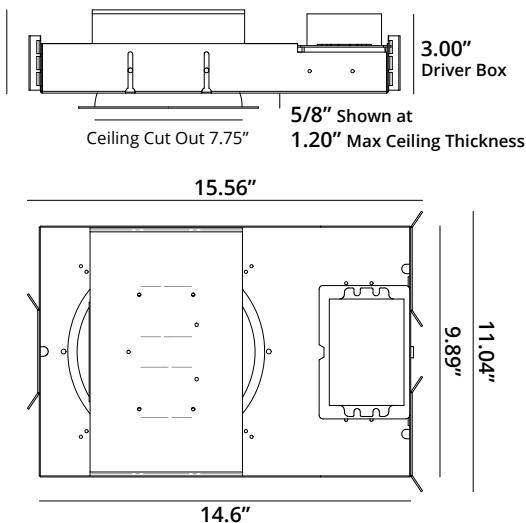


8" Round, EXTREME SHALLOW F-Class Gen V, IC-Rated

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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

Photometry

WIDE

Model

AIC8VOFLEDES-1535K-W8060-SCL

Lumens

1,476

Watts

21.6

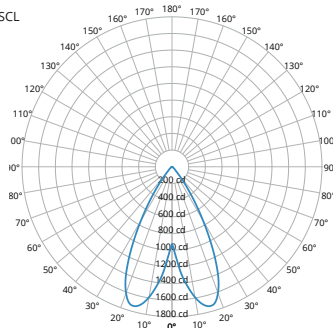
Efficacy

68.33

SC

1.17

Candela Curve



Cone of Light

Mounting Height AFF	FC at Center on Floor	Beam Diameter
8.0'	15 fc	8.7'
10.0'	9 fc	10.9'
12.0'	6 fc	13.1'
14.0'	5 fc	15.3'
16.0'	4 fc	17.4'
20.0'	2 fc	21.8'
24.0'	2 fc	26.1'
30.0'	1 fc	32.7'

Candela Table

	0.00°
0.00°	929
5.00°	1,291
10.00°	1,591
15.00°	1,732
20.00°	1,612
30.00°	744
40.00°	140
50.00°	34
60.00°	12
70.00°	6
80.00°	0
90.00°	0

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0° - 30°	1,158	78%
0° - 40°	1,395	95%
0° - 60°	1,463	99%
60° - 90°	13	1%
0° - 20°	613	42%
20° - 50°	833	56%
50° - 70°	28	2%
70° - 90°	2	0%
0° - 90°	1,476	100%
90° - 180°	0	0%
Total	1,476	100%

Spacing Criterion

Height	Spacing	Light Level*
8 ft	9.4 ft	~ 15 fc
10 ft	11.7 ft	~ 9 fc
12 ft	14.0 ft	~ 6 fc
8 ft	7.0 ft	~ 26 fc
10 ft	8.8 ft	~ 17 fc
12 ft	10.5 ft	~ 11 fc
8 ft	4.7 ft	~ 58 fc
10 ft	5.8 ft	~ 37 fc
12 ft	7.0 ft	~ 26 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	10.35		
		5000K	1.098		

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.