

Part #	Prepared By
Project	Notes
Type	
Date	



6" Round, F-Class Commercial

Open, LED Downlight, 750-4000 Lumens



Description

F-Class Commercial downlights are designed to provide premium features at a commercial value. The Open precision spun reflector provides a medium distribution and sharp light cutoff. Standard 0-10V 10% dimming driver; optional drivers available.

Features & Construction

ELECTRICAL SYSTEM

- 750 - 4000 lumens
- 2700K - 5000K CCT
- 80 CRI with 3 SDCM color consistency (+90 CRI optional)
- Standard 0-10V 10% dimming driver; optional drivers available
- 120 - 277V
- Minimum 50,000 hour lifetime at L70
- -20°C to 30°C Ambient Operating Temperature Range

OPTICS

- Precision spun reflector
- Reflectors available in Alzak® and painted finishes
- Distribution is free of streaks, striations and hotspots
- Medium distribution
- 45° Cutoff

FRAME & MOUNTING

- Adjustable mounting ears and junction box included
- Mounting ears accept standard hanger bars 14" - 24" (included)
- Knock outs for through wiring
- US cold-rolled steel housing

Listings

- ETL certified to UL 1598 and UL8750 requirements
- Tested according to LM-79 and LM-80 standards
- Suitable for damp locations; Wet location under covered ceiling
- Buy American Act

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 cannot be in direct contact with luminaire


Lumens

Nominal Lumens	Delivered Lumens	Wattage	Lumens Per Watt
750	720	9.4	76.6
1100	1057	15.4	68.64
1500	1441	21.6	66.71
2000	1921	25.8	74.46
3000	2876	33.39	86.13
4000	3592	45.6	78.77

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

Ordering Information

EXAMPLE: V6OFCR1-0735K-F6060-SGC-HCR

Series	Voltage	Lumens	Kelvin (CCT)	Reflector	Reflector Finish	Options*
V6OFCR  Options in purple qualify for the Velocity Quick Ship Program up to 100 pieces (up to 30 in EM). Refer to Velocity Guide for complete details.	U - 120V-277V* *Universal Voltage only available with ZDM-1% Driver. 1 - 120V** 2 - 277V** **Must specify voltage when standard SDM 10% is selected. TDM (triac) is 120V only.	07 - 750 11 - 1100 15 - 1500 20 - 2000 30 - 3000 40 - 4000	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K 50K - 5000K	F6060 Medium Beam Open Reflector F6019 Non-Conductive Shower Trim	SCL Specular Clear SGC Soft Glow Clear WHT White Matte *All trims supplied standard with white painted flange.	SDM ZDM TDM HCR PF REM CP

*Options Notes

SDM - 0-10V 10% dimming driver (standard, Must Specify Voltage as 120V or 277V)

ZDM - 0-10V 1% dimming driver (Universal Voltage).

TDM - Triac (Forward Phase, 120V only) dimming driver.

HCR - High CRI, 90+ minimum. Not available in 5000 Kelvin.

PF - Polished Flange

REM - Emergency battery back-up. Remote test button & indicator light.

CP - Chicago Plenum. Up to 4000 lumens.

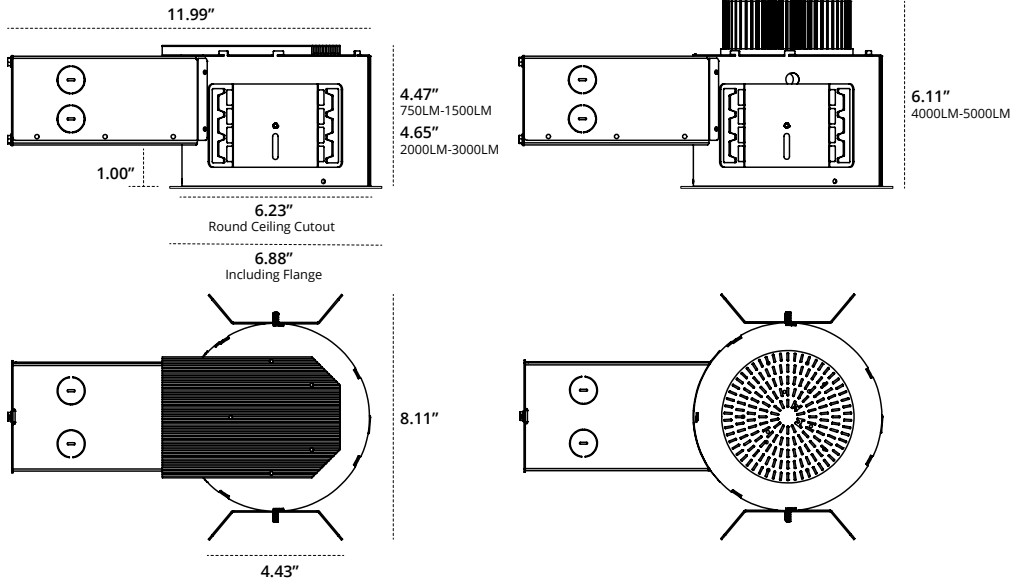
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F-CLASS
Commercial

Dimensional Data

New Construction



Non-Conductive Shower Trim - F6019



MEDIUM - MD 2035K

Model
V6OFCR-2035K-F6060-SCL

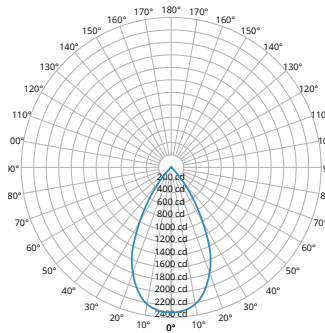
Lumens
1,921

Watts
25.8

Efficacy
74.46

SC
0.89

Candela Curve



Cone of Light

Mounting Height AFF	FC at Center on Floor	Beam Diameter
8.0 '	36 fc	8.6 '
10.0 '	23 fc	10.8 '
12.0 '	16 fc	12.9 '
14.0 '	12 fc	15.1 '
16.0 '	9 fc	17.2 '
20.0 '	6 fc	21.5 '
24.0 '	4 fc	25.8 '
30.0 '	3 fc	32.3 '

Candela Table

	0.00°
0.00°	2,322
5.00°	2,302
10.00°	2,223
15.00°	2,050
20.00°	1,796
30.00°	1,010
40.00°	275
50.00°	25
60.00°	10
70.00°	5
80.00°	2
90.00°	0

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0° - 30°	1,442	75%
0° - 40°	1,819	95%
0° - 60°	1,910	99%
60° - 90°	11	1%
0° - 20°	788	41%
20° - 50°	1,107	58%
50° - 70°	22	1%
70° - 90°	4	0%
0° - 90°	1,921	100%
90° - 180°	0	0%
Total	1,921	100%

Spacing Criterion

Height	Spacing	Light Level*
8 ft	7.1 ft	~ 36 fc
10 ft	8.9 ft	~ 23 fc
12 ft	10.7 ft	~ 16 fc
8 ft	5.3 ft	~ 65 fc
10 ft	6.7 ft	~ 41 fc
12 ft	8.0 ft	~ 29 fc
8 ft	3.6 ft	~ 145 fc
10 ft	4.5 ft	~ 93 fc
12 ft	5.3 ft	~ 65 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	0.81	3000K	0.975	SGC	0.95
		3500K	1	WHT	0.87
		4000K	1.035		
		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.