

Part #	Prepared By
Project	Notes
Type	
Date	



3" Capela[®] Series Micro-Flange Regressed Lens Round, 700-1300 lumens



Description

Capela[®] Series small-aperture architectural shallow downlights provide a modern aesthetic and high-end performance. Regressed Lens Micro-Flange Capela[®] Series downlights have a deeply regressed LED and a frosted polycarbonate lens paired with a precision-spun reflector that provides 15°, 30°, and 45° beam spreads. The Micro-Flange reduces the flange to nearly 0.25" and eliminates the need of a mud ring while providing a quiet ceiling. New Construction, IC-Rated and Remodeler housing options available.

Features & Construction

ELECTRICAL SYSTEM

- Advanced QuickConnect, Class II wiring for easy installation
- 700, 1300 lumens
- 2700K - 4000K CCT
- High-performance Dim-to-Warm optional
- Standard 0-10V 1% dimming driver
- 0-10V to 0.1% &, Lutron, & Triac/Forward phase optional
- High flux CoB array
- 80 CRI with 3 SDCM color consistency (+90 CRI optional)
- Minimum 50,000 hour lifetime at L70
- 120V - 277V Universal input standard

OPTICS

- Specular Clear, Soft Glow Clear or White Matte reflector finishes
- Efficient two-stage optical design with frosted polycarbonate regressed lens
- 15°, 30°, and 45° beam spreads

FRAME & MOUNTING

- Self-flanged Micro-Flange cold-rolled steel housing
- Polyester powder coat
- Torsion springs for maximum ceiling retention
- Optional IC-rated up to 1,300 lumens With IC Box (NCFIC)
- Optional new construction frame (NCFAQ)

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 (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 cannot be in contact with non-IC-Rated versions

Performance

OUTPUT

Nominal Lumens	Wattage	All measured at 3500K with a standard medium distribution *Actual Wattage/Lumens may vary.
700	7.56	
1300	12.7	

EMERGENCY LUMEN OUTPUT

Nominal Lumens	Wattage	All measured at 3500K with a standard medium distribution *Actual Wattage/Lumens may vary.
300	2.5	

DIM-TO-WARM PERFORMANCE

Nominal Lumens	100%				1%			
	Wattage	CCT	CRI	R9	Wattage	CCT	CRI	R9
700	9.7	3100	95	85	2.9	1800	95	85
1300	13.2	3100	95	85	3.3	1800	95	85

Ordering Information

EXAMPLE: V3CRR-0730K-L3040-SCL-N-WHT-NCFAQ-XDM

Series	Voltage	Lumens	Kelvin	Reflector	Finish	Distribution	Flange Finish	Frame	Options*
V3CRR	U - 120V-277V* 1 - 120 V 3 - 347V**	07 - 700 13 - 1300	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K DTW - Dim-to-Warm (3000K-1800K)	L3040 Regressed Frosted Polycarbonate Lens	SGC Soft Glow Clear SCL Specular Clear WHT White Matte	N - Narrow 15° M - Medium 30° W - Wide 45°	WHT White Matte BLK Black Matte	NCFAQ New Construction Frame NCFIC New Construction Frame w/ IC-RATED Box RMDL Remodeler	XDM ZDM TDM DL-2 DL-3 LDE1 LDE5 PEQ0 HCR EM

*Options Notes

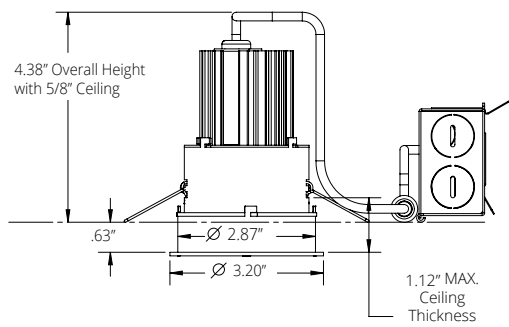
SDM - 0-10V 10% dimming driver (standard)
XDM - 0-10V 0.1% dimming driver
ZDM - 0-10V 1% dimming driver
TDM - Triac (Forward-Phase) dimming driver
DL-2 - Lutron 2-Wire Hi-Lume dimming driver
DL-3 - Lutron 3-Wire Hi-Lume dimming driver
LDE1 - Lutron EcoSystem Digital Fade-to-Black 1% dimming driver
LDE5 - Lutron 5-Series EcoSystem 5% dimming driver
PEQ0 - Lutron EcoSystem Fade-to-Black 0.1% dimming driver
HCR - High CRI, 90+
EM - Remote emergency battery back-up, remote test button & indicator light

3" Capela® Series Micro-Flange Regressed Lens Round, 700-1300 lumens

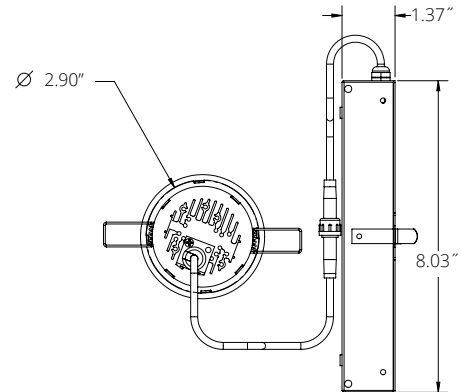
Capela®
SERIES

Dimensional Data

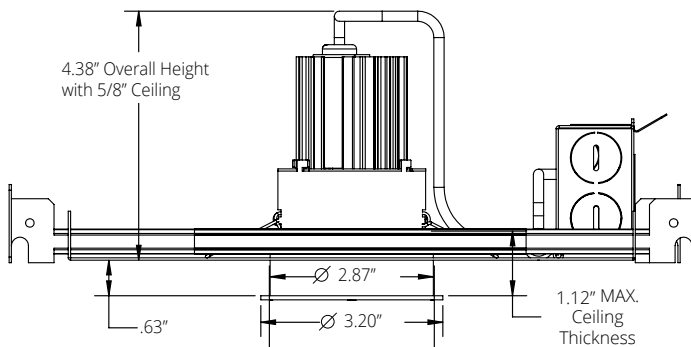
RMDL
(standard)



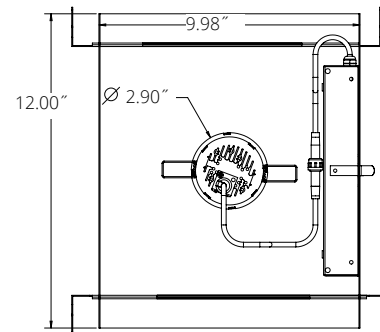
Ceiling Cut Out Ø2.90"



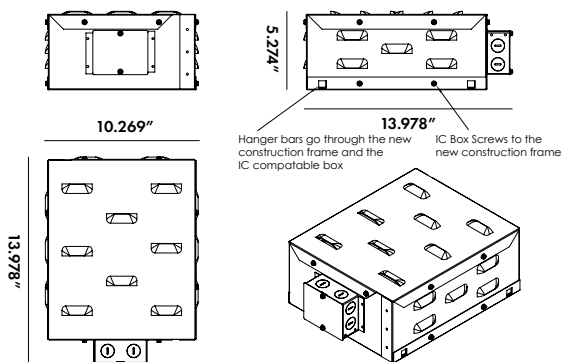
NCFAQ
(new construction frame)



Ceiling Cut Out Ø2.90"



NCFIC
(IC-RATED)



RMDL
(standard)



NCFAQ
(new construction frame)



*New construction frame
sold separately

NCFIC
(IC-RATED)



*IC-RATED box
sold separately

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.

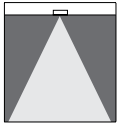
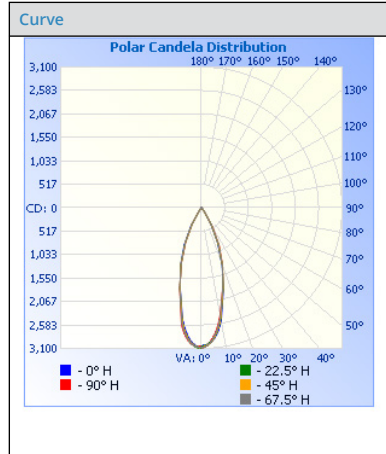
3" Capela® Series Micro-Flange

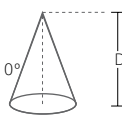
Regressed Lens Round, 700-1300 lumens

Photometry

15° Distribution

Test Number
PHM-RPT-171026-D05
Model
V3CRRMU-1335K-N
Lumens
1350.11
Efficacy
93.30
SC
0.9892

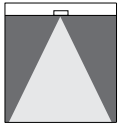
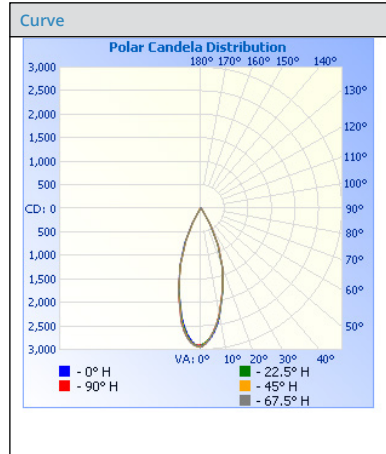
Cone of Light

Center Beam fc
Beam Width
1.7 1061 1.1 1.6
3.3 282 2.2 2.1
5.0 123 3.3 3.3
6.7 68.3 4.4 4.4
8.3 44.5 5.4 5.4
10.0 30.7 6.5 5.5

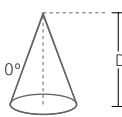
Candela Table	
Degrees Vertical	Candela
0.0	3066
5.0	2910
10.0	2506
15.0	1862
20.0	1331
25.0	832
30.0	416
35.0	122
40.0	49
45.0	27
50.0	17
55.0	11
60.0	8
65.0	6
70.0	6
75.0	6
80.0	6
85.0	5
90.0	4

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1164.3	86.2
0-40	1274.3	94.4
10-60	1307.2	96.8
60-90	18.4	1.4
0-90	1325.5	98.2
90-180	24.5	1.8
0-180	1350.1	100.0

30° Distribution

Test Number
PHM-RPT-171026-D04
Model
V3CRRMU-1335K-M
Lumens
1286.75
Efficacy
97.78
SC
0.9889

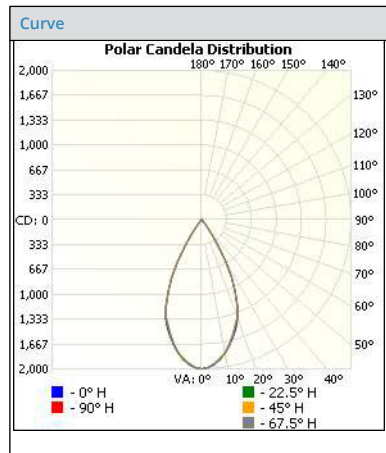
Cone of Light

Center Beam fc
Beam Width
1.7 1010 1.1 1.1
3.3 268 2.2 2.2
5.0 117 3.4 3.3
6.7 65.0 4.5 4.5
8.3 42.4 5.6 5.5
10.0 29.2 6.7 6.7

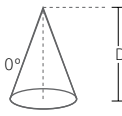
Candela Table	
Degrees Vertical	Candela
0.0	2920
5.0	2719
10.0	2297
15.0	1802
20.0	1334
25.0	842
30.0	379
35.0	101
40.0	45
45.0	26
50.0	17
55.0	11
60.0	7
65.0	6
70.0	6
75.0	6
80.0	6
85.0	6
90.0	4

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1151.1	86.7
0-40	1208.2	93.9
10-60	1241.4	96.5
60-90	20.6	1.6
0-90	1262.0	98.1
90-180	24.7	1.9
0-180	1286.8	100.0

45° Distribution

Test Number
103233437CRT-011
Model
V3CRRMU-1335K-W
Lumens
1292.0
Efficacy
94.1
SC
0.934

Cone of Light

Center Beam fc
Beam Width
1.7 692 1.6 1.6
3.3 184 3.2 3.2
5.0 80.0 4.8 4.8
6.7 44.5 6.5 6.5
8.3 29.0 8.0 8.0
10.0 20.0 9.7 9.6

Candela Table	
Degrees Vertical	Candela
0.0	1999
5.0	1950
10.0	1812
15.0	1626
20.0	1413
25.0	1057
30.0	644
35.0	241
40.0	62
45.0	21
50.0	10
55.0	3
60.0	0
65.0	0
70.0	0
75.0	0
80.0	0
85.0	0
90.0	0

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1102.1	85.3
0-40	1269.2	98.2
10-60	1291.9	100.0
60-90	0.0	0.0
0-90	1292.0	100.0
90-180	0.0	0.0
0-180	1292.0	100.0

CAPELA Lumen Output Multipliers

CRI	MULTIPLIER
80	1
90	0.82

KELVIN	MULTIPLIER
4000K	1.036
3500K	1
3000K	0.974
2700K	0.94

FINISH	MULTIPLIER
SCL	1
SGC	0.95
WHT	0.87

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