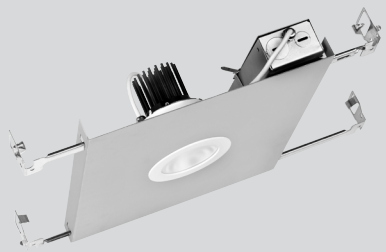
Part #	**Prepared By**
Project	**Notes**
Type	
Date	

Capela® SERIES

2" Capela® Series

Open Round, 700-1300 lumens - Shallow Housing

2700K 3000K 3500K 4000K



Description

Capela® Series small-aperture architectural shallow downlights provide a modern aesthetic and high-end performance. Open Capela® Series downlights use precision-spun reflectors and provide sharp light cutoff available in 15°, 30°, and 45°beam spreads. New Construction, IC-Rated and Remodeler housing options available.

Features & Construction

ELECTRICAL SYSTEM

- Advanced QuickConnect 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 optical design
- 15°, 30°, and 45° beam spreads

FRAME & MOUNTING

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

EMERGENCY LUMEN OUTPUT

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

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: V2COR-0730K-L2070-SCL-N-WHT-NCFAQ-XDM

V2COR		-			-	L2070	-		-		-		-		-	
Series	Voltage		Lumens	Kelvin		Reflector		Finish		Distribution		Flange Finish		Frame		Options*
V2COR	**U** - 120V-277V* **1** - 120 V **3** - 347V** *Must provide voltage when optional drivers are selected. **Step-down transformer		**07** - 700 **13** - 1300	**27K** - 2700K **30K** - 3000K **35K** - 3500K **40K** - 4000K **DTW -** Dim-to-Warm (3000K-1800K)		**L2070** Open Reflector		**SGC** Soft Glow Clear **SCL** Specular Clear **WHT** White painted		**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 (Foward-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

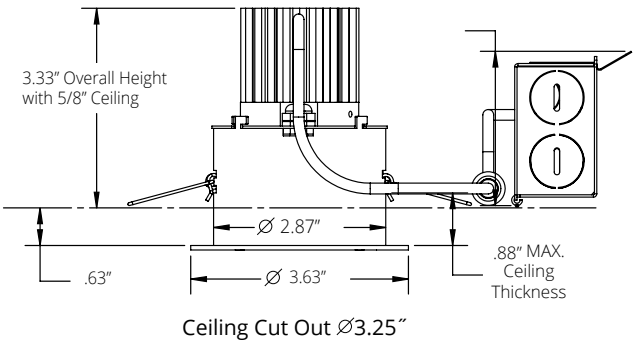
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2″ Capela® Series

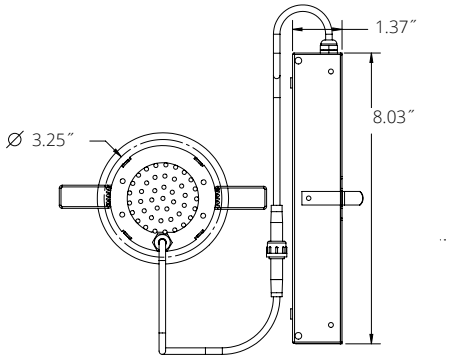
Open Round, 700-1300 lumens - Shallow Housing

Dimensional Data

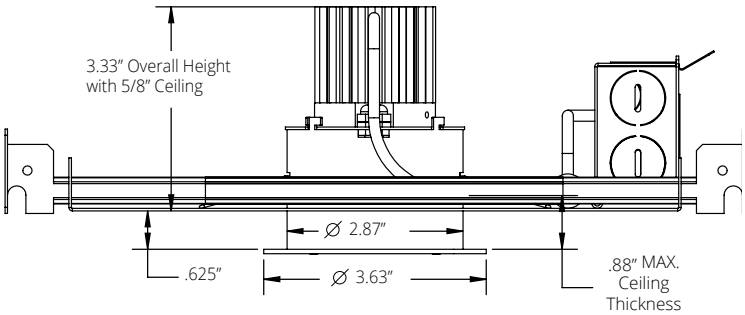
RMDL
(standard)



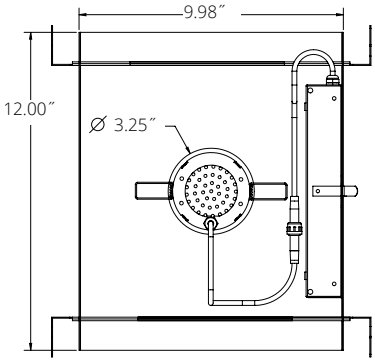
Ceiling Cut Out Ø3.25″



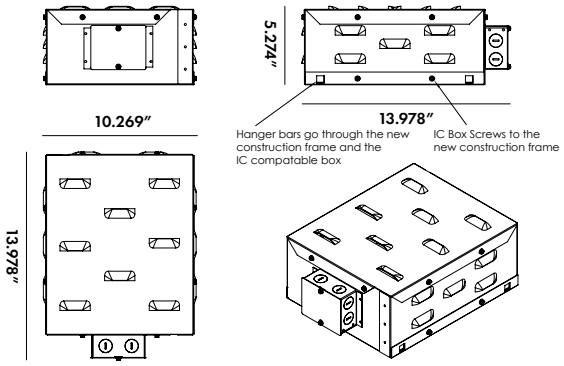
NCFAQ
(new construction frame)



Ceiling Cut Out Ø3.25″



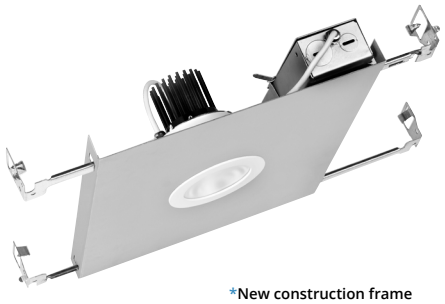
NCFIC
(IC-RATED)



RMDL
(standard)



NCFAQ
(new construction frame)



*New construction frame sold separately

NCFIC
(IC-RATED)



*IC-RATED box sold separately

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2" Capela® Series

Open Round, 700-1300 lumens - Shallow Housing

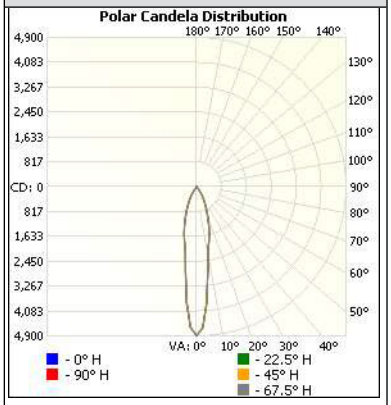
Photometry

15° Distribution

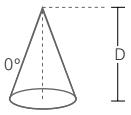
Test Number
103233437CRT-007
Model
V2CORU-1335K-N
Lumens
1220.7
Efficacy
88.3
SC
0.989



Curve



Cone of Light



	Center Beam fc	Beam Width	
1.7	1693	0.5	0.5
3.3	449	1.0	1.0
5.0	196	1.5	1.6
6.7	109	2.1	2.1
8.3	71.0	2.5	2.6
10.0	48.9	3.1	3.1

Candela Table

Degrees Vertical	Candela
0.0	4894
5.0	3787
10.0	2098
15.0	1579
20.0	1073
25.0	690
30.0	429
35.0	172
40.0	34
45.0	12
50.0	7
55.0	10
60.0	19
65.0	13
70.0	7
75.0	4
80.0	2
85.0	1
90.0	0

Zonal Lumen Summary

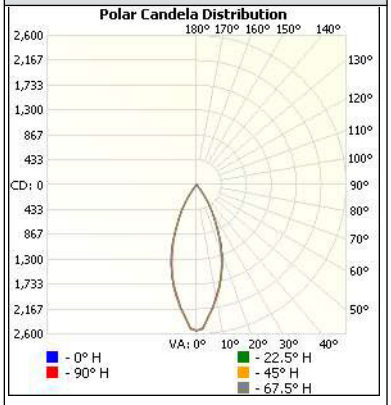
Zone	Lumens	% Luminaire
0-30	1059.7	86.8
0-40	1278.9	96.6
10-60	1201.8	98.4
60-90	19.0	1.6
0-90	1220.7	100.0
90-180	0.0	0.0
0-180	1220.7	100.0

30° Distribution

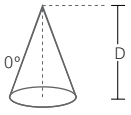
Test Number
103233437CRT-005
Model
V2CORU-1335K-M
Lumens
1233.7
Efficacy
87.4
SC
0.989



Curve



Cone of Light



	Center Beam fc	Beam Width	
1.7	879	1.3	1.2
3.3	233	2.4	2.4
5.0	102	3.7	3.5
6.7	56.6	4.9	4.8
8.3	36.9	5.1	5.9
10.0	25.4	7.4	7.1

Candela Table

Degrees Vertical	Candela
0.0	2541
5.0	2313
10.0	2000
15.0	1653
20.0	1286
25.0	871
30.0	526
35.0	229
40.0	53
45.0	17
50.0	7
55.0	5
60.0	4
65.0	2
70.0	2
75.0	2
80.0	1
85.0	0
90.0	0

Zonal Lumen Summary

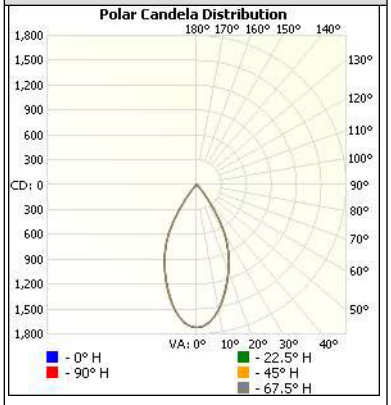
Zone	Lumens	% Luminaire
0-30	1057.5	85.7
0-40	1205.9	97.7
10-60	1228.7	99.6
60-90	5.0	0.4
0-90	1233.7	100.0
90-180	0.0	0.0
0-180	1233.7	100.0

45° Distribution

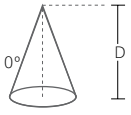
Test Number
103233437CRT-006
Model
V2CORU-1335K-W
Lumens
1212.9
Efficacy
87.2
SC
0.989



Curve



Cone of Light



	Center Beam fc	Beam Width	
1.7	596	1.7	1.7
3.3	158	3.2	3.2
5.0	68.8	4.9	4.9
6.7	38.3	5.5	6.5
8.3	25.0	8.1	8.1
10.0	17.2	9.8	9.8

Candela Table

Degrees Vertical	Candela
0.0	1721
5.0	1674
10.0	1526
15.0	1322
20.0	1114
25.0	908
30.0	658
35.0	339
40.0	124
45.0	45
50.0	9
55.0	2
60.0	2
65.0	1
70.0	0
75.0	0
80.0	0
85.0	0
90.0	0

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	933.5	77.0
0-40	1162.2	95.8
10-60	1209.6	99.7
60-90	3.3	0.3
0-90	1212.9	100.0
90-180	0.0	0.0
0-180	1212.9	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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