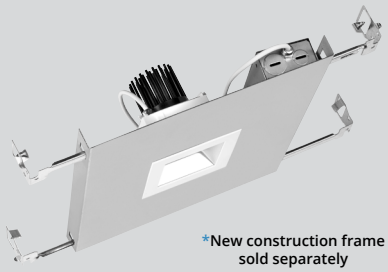
Part #	**Prepared By**
Project	**Notes**
Type	
Date	

3″ Capela® Series

Regressed Lens Square 700-1300 lumens - Shallow Housing

2700K 3000K 3500K 4000K



*New construction frame sold separately

Description

Capela® Series small-aperture architectural shallow downlights provide a modern aesthetic and high-end performance. Regressed Lens 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. 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 (ZDM)
- 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 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: V3CRS-0730K-S3040-SCL-N-WHT-NCFAQ-XDM

V3CRS		-			-	S3040	-		-		-		-		-	
Series	Voltage		Lumens	Kelvin		Reflector		Finish		Distribution		Flange Finish		Frame		Options*
V3CRS 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. NCFAQ only	**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)		**S3040** 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		**ZDM** (standard) **XDM** **TDM** **DL-2** **DL-3** **LDE1** **LDE5** **PEQ0** **HCR** **EM**

*Options Notes

ZDM - 0-10V 1% dimming driver (standard)
XDM - 0-10V 0.1% 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

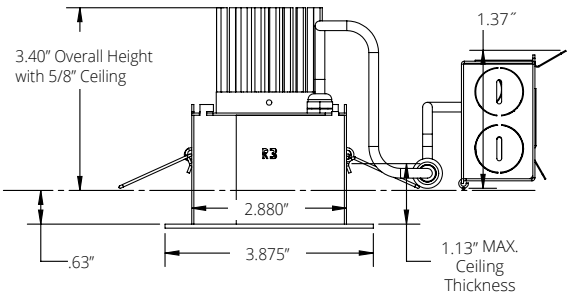
Vantage reserves the right to change components, finishes or design details in any manner which does not alter the installed appearance or reduce performance and intended function.

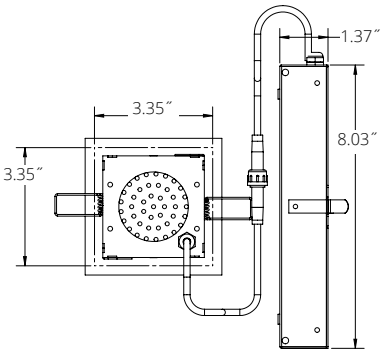
3″ Capela® Series

Regressed Lens Round, 700-1300 lumens - Shallow Housing

Dimensional Data

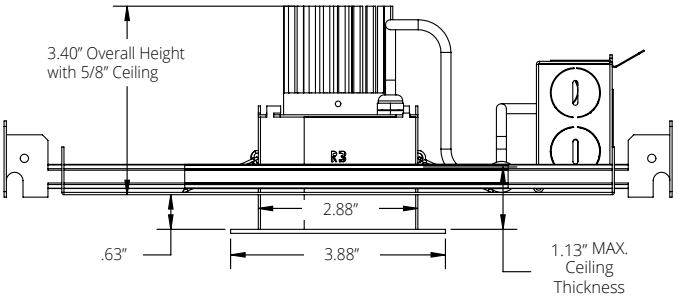
RMDL
(standard)

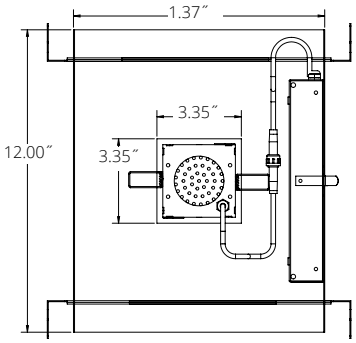




Ceiling Cut Out 3.50″x3.50″

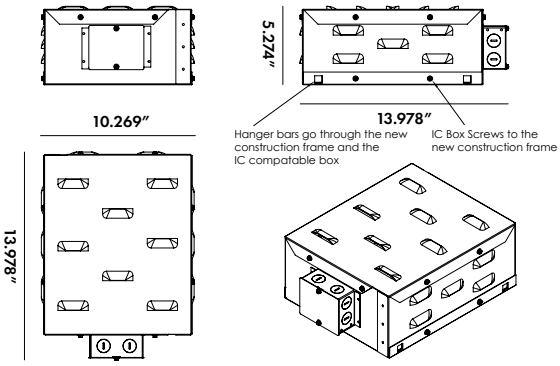
NCFAQ
(new construction frame)





Ceiling Cut Out 3.50″x3.50″

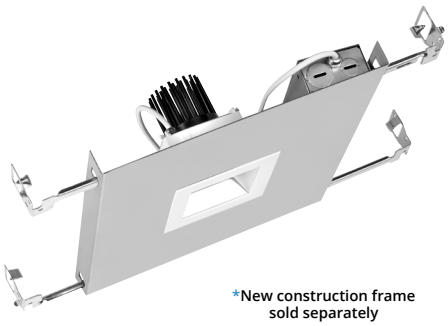
NCFIC
(IC-RATED)



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

Regressed Lens Round, 700-1300 lumens - Shallow Housing

Capela® SERIES

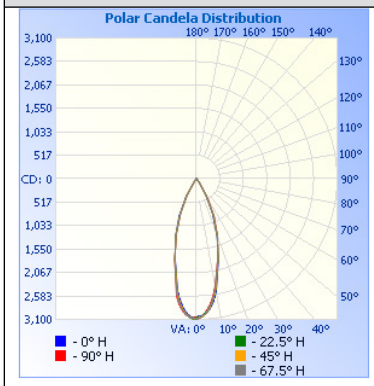
Photometry

15° Distribution

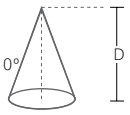
Test Number
PHM-RPT-171026-D05
Model
V3CRSU-1335K-N
Lumens
1350.11
Efficacy
93.30
SC
0.9892



Curve



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

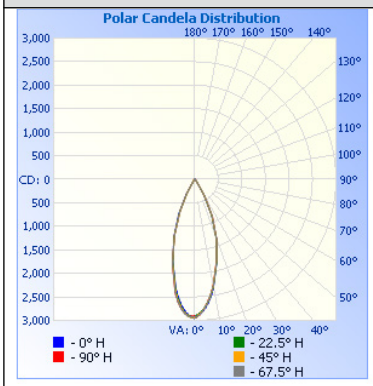
Zone	Lumens	% Luminaire
0-30	1164.3	86.2
0-40	1274.3	94.4
10-60	1307.2	96.8
60-90	18.4	1.4
0-90	1325.5	98.2
90-180	24.5	1.8
0-180	1350.1	100.0

30° Distribution

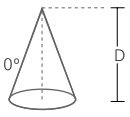
Test Number
PHM-RPT-171026-D04
Model
V3CRSU-1335K-M
Lumens
1286.75
Efficacy
97.78
SC
0.9889



Curve



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

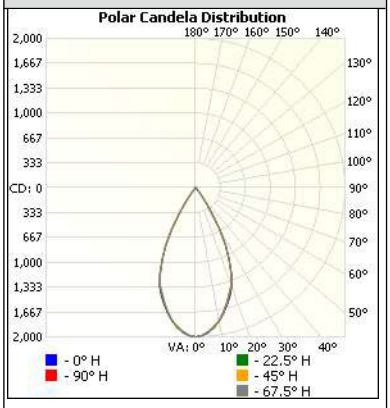
Zone	Lumens	% Luminaire
0-30	1151.1	86.7
0-40	1208.2	93.9
10-60	1241.4	96.5
60-90	20.6	1.6
0-90	1262.0	98.1
90-180	24.7	1.9
0-180	1286.8	100.0

45° Distribution

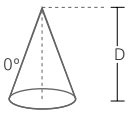
Test Number
103233437CRT-011
Model
V3CRSU-1335K-W
Lumens
1292.0
Efficacy
94.1
SC
0.934



Curve



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

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.