

Part #	Prepared By
Project	Notes
Type	
Date	

3" Capela[®] Series Adjustable Regressed Lens Square 700-1300 lumens - Shallow Housing



Description

Capela[®] Series small-aperture architectural shallow downlights provide a modern aesthetic and high-end performance. Adjustable Regressed Lens Capela[®] Series downlights have a deeply regressed LED and a frosted polycarbonate lens paired with a 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
- 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
- 30° tilt adjustability

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	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: V3CRSADJ-0730K-S2040A-SCL-N-WHT-NCFAQ-XDM

V3CRSADJ				S2040A					
Series	Voltage	Lumens	Kelvin	Reflector	Finish	Distribution	Flange Finish	Frame	Options*
V3CRSADJ	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)	S2040A 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

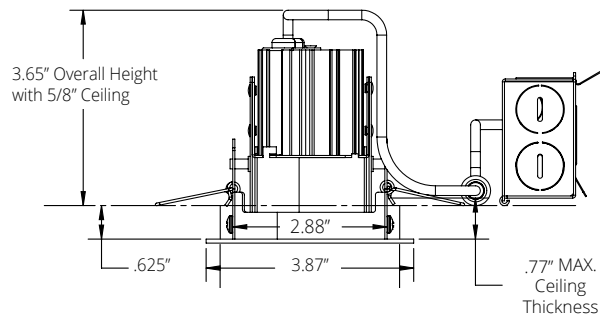
*Options Notes

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

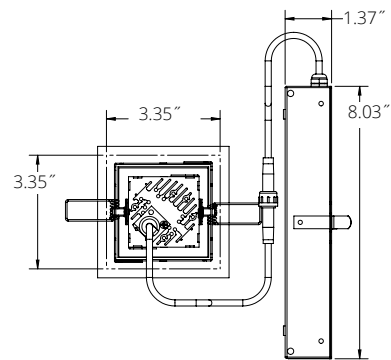
3" Capela® Series Adjustable Regressed Lens Square 700-1300 lumens - Shallow Housing

Dimensional Data

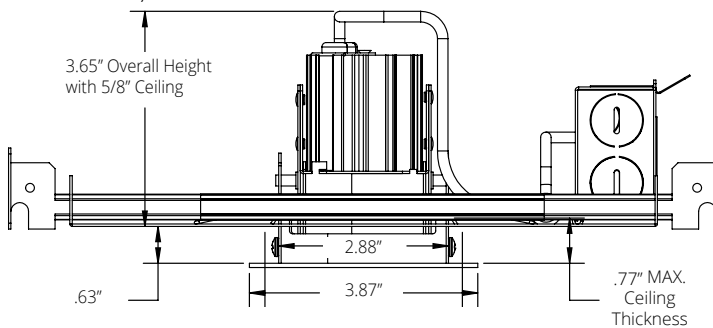
RMDL
(standard)



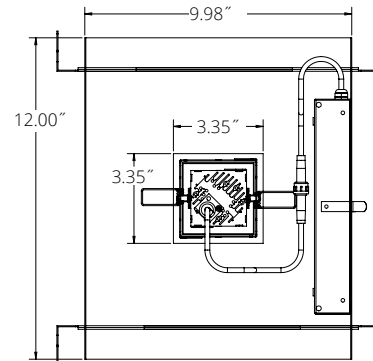
Ceiling Cut Out 3.35" x 3.35" Square



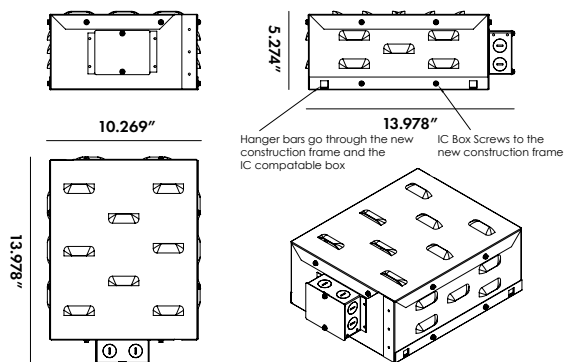
NCFAQ
(new construction frame)



Ceiling Cut Out 3.35" x 3.35" Square



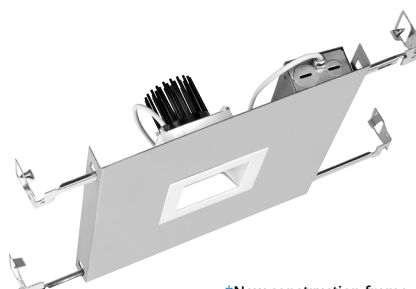
NCFIC
(IC-RATED)



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.

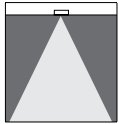
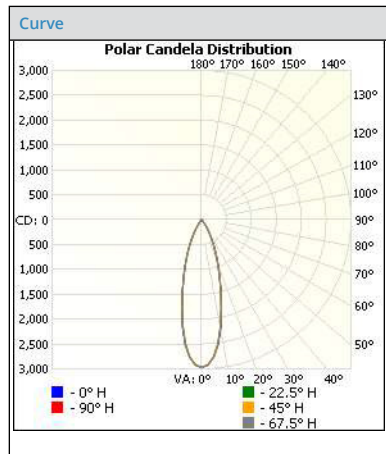
3" Capela® Series Adjustable

Regressed Lens Square 700-1300 lumens - Shallow Housing

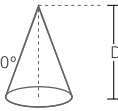
Photometry

15° Distribution

Test Number	103233437CRT-017
Model	V3CRSADJU-1335K-N
Lumens	1037.7
Efficacy	76.4
SC	0.971

Cone of Light



	Center Beam fc	Beam Width	
1.7	1027	0.9	0.9
3.3	273	1.8	1.8
5.0	199	2.7	2.7
6.7	66.1	3.6	3.6
8.3	43.1	4.5	4.5
10.0	29.7	5.4	5.4

Candela Table

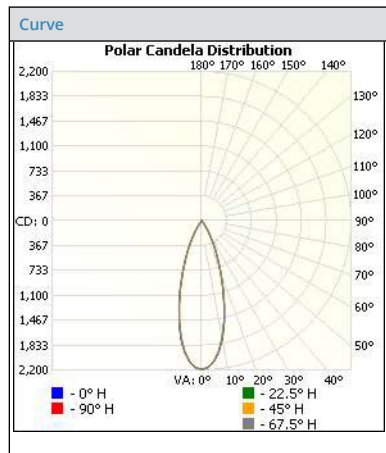
Degrees Vertical	Candela
0.0	2968
5.0	2773
10.0	2197
15.0	1496
20.0	967
25.0	585
30.0	308
35.0	135
40.0	47
45.0	26
50.0	21
55.0	14
60.0	9
65.0	0
70.0	0
75.0	0
80.0	0
85.0	0
90.0	0

Zonal Lumen Summary

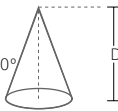
Zone	Lumens	% Luminaire
0-30	921.8	88.8
0-40	1014.7	97.8
10-60	1037.5	100.0
60-90	0.2	0.0
0-90	1037.7	100.0
90-180	0.0	0.0
0-180	1037.7	100.0

30° Distribution

Test Number	103233437CRT-016
Model	V3CRSADJU-0735K-M
Lumens	829.6
Efficacy	86.3
SC	0.

Cone of Light



	Center Beam fc	Beam Width	
1.7	759	1.0	1.0
3.3	201	2.0	2.0
5.0	87.7	3.1	3.0
6.7	48.9	4.1	4.1
8.3	31.8	5.1	5.0
10.0	21.9	6.1	6.1

Candela Table

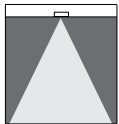
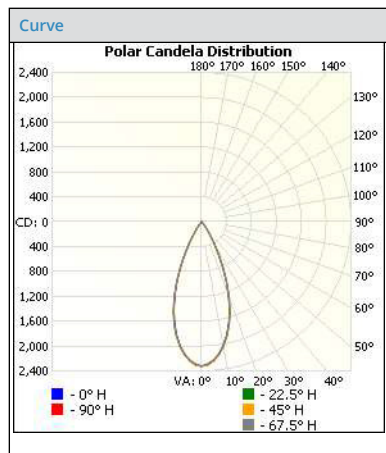
Degrees Vertical	Candela
0.0	2193
5.0	2080
10.0	1761
15.0	1289
20.0	829
25.0	481
30.0	237
35.0	90
40.0	19
45.0	7
50.0	2
55.0	0
60.0	0
65.0	0
70.0	0
75.0	0
80.0	0
85.0	0
90.0	0

Zonal Lumen Summary

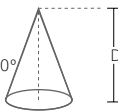
Zone	Lumens	% Luminaire
0-30	757.4	91.3
0-40	821.0	99.0
10-60	829.6	100.0
60-90	0.0	0.0
0-90	829.6	100.0
90-180	0.0	0.0
0-180	829.6	100.0

45° Distribution

Test Number	103233437CRT-015
Model	V3CRSADJU-1335K-W
Lumens	1154.5
Efficacy	85.7
SC	0.972

Cone of Light



	Center Beam fc	Beam Width	
1.7	803	1.3	1.3
3.3	213	2.6	2.6
5.0	92.8	3.9	3.9
6.7	51.7	5.2	5.2
8.3	33.7	5.4	5.4
10.0	23.2	7.7	7.8

Candela Table

Degrees Vertical	Candela
0.0	2320
5.0	2241
10.0	2017
15.0	1686
20.0	1267
25.0	801
30.0	398
35.0	142
40.0	33
45.0	11
50.0	4
55.0	0
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	1038.8	90.0
0-40	1141.6	98.9
10-60	1154.4	100.0
60-90	0.0	0.0
0-90	1154.5	100.0
90-180	0.0	0.0
0-180	1154.4	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