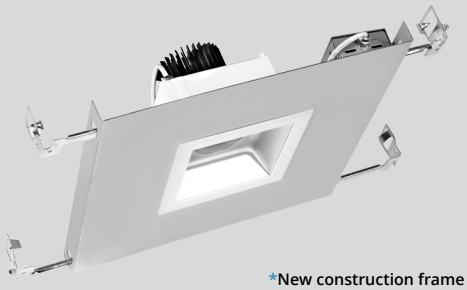
Part #	Prepared By
Project	Notes
Type	
Date	

6" Capela® Series

Regressed Lens Square, 700-3000 lumens

2700K 3000K 3500K 4000K



*New construction frame & IC-Rated box sold seperately

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 reflector that provides 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, 3000 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 2000 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	
2000	19.6	
3000	27.4	

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
2000	20.3	3100	95	85	3.8	1800	95	85

Ordering Information

EXAMPLE: V6CRS-0730K-S6040-SCL-N-WHT-NCFAQ-XDM

V6CRS		-			-	L6040	-		-		-		-		-	
Series	Voltage		Lumens	Kelvin		Reflector		Finish		Distribution		Flange Finish		Frame		Options*
V6CRS	**U - 120V-277V***		**07 - 700**	**27K - 2700K**		**S6040**		**SGC**		**N - Narrow 15°**		**WHT**		**NCFAQ**		**ZDM**
	1 - 120 V		**13 - 1300**	**30K - 3000K**		Regressed Frosted		Soft Glow Clear		**M - Medium 30°**		White Matte		New		(standard)
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	**3** - 347V**		**20 - 2000**	**35K - 3500K**		Polycarbonate Lens		**SCL**		**W - Wide 45°**		**BLK**		Construction Frame		**XDM**
	*Must provide voltage when optional drivers are selected.		**30** - 3000	**40K - 4000K**				Specular Clear				Black Matte		**NCFIC**		**TDM**
	**Step-down transformer			**DTW -** Dim-to-Warm (3000K-1800K) 2000 Lumen Max				**WHT** White Matte						New Construction Frame w/ IC-RATED Box		**DL-2**
																DL-3
														RMDL Remodeler		**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

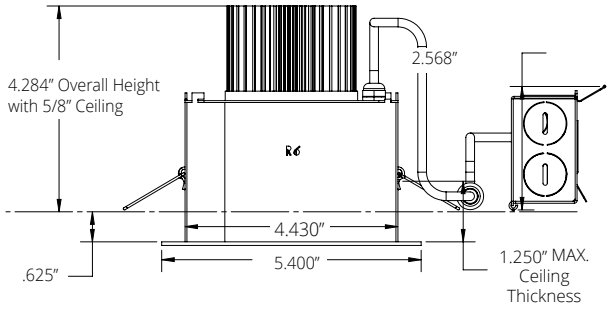
Vantage reserves the right to change components, finishes or design details in any manner which does not alter the installed appearance or reduce performance and intended function. | Capela® is a registered trademark Lexington Lighting Group, LLC dba Vantage Lighting.

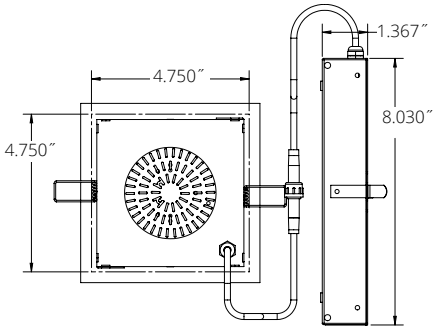
6″ Capela® Series

Regressed Lens Square, 700-3000 lumens

Dimensional Data

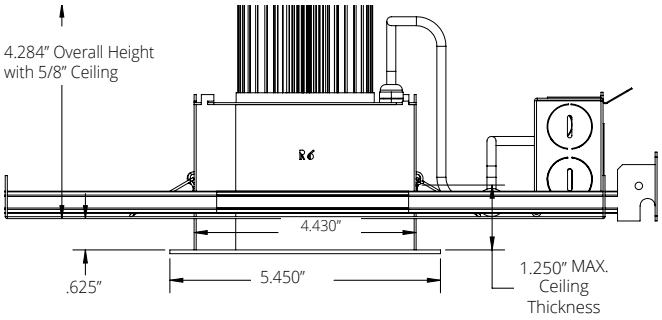
RMDL
(standard)

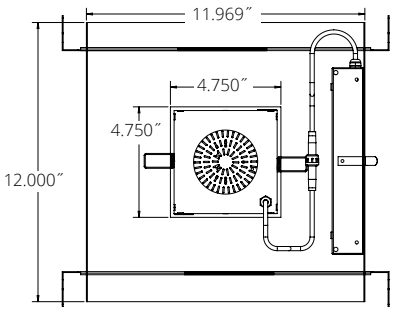




Ceiling Cut Out 4.75″ x 4.75″

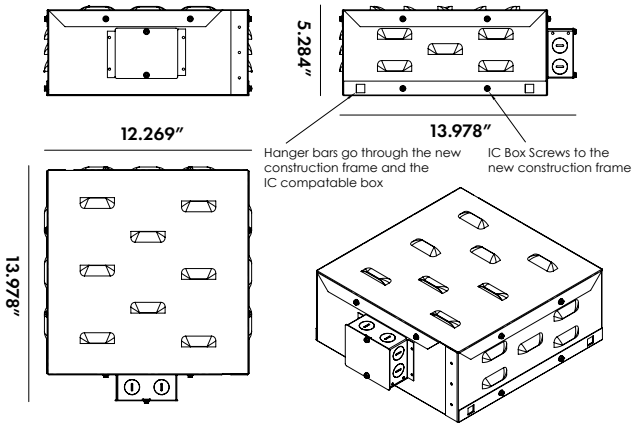
NCFAQ
(new construction frame)





Ceiling Cut Out 4.75″ x 4.75″

NCFIC
(IC-RATED)



RMDL
(standard)



NCFAQ
(new construction frame)



*New construction frame sold seperately

NCFIC
(IC-RATED)



*IC-RATED box sold separately

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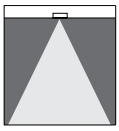
6" Capela® Series

Regressed Lens Square, 700-3000 lumens

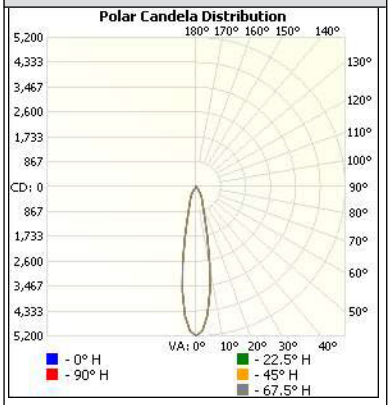
Photometry

15° Distribution

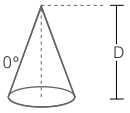
Test Number
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Model
V6CRSU-0735K-N
Lumens
1064.4
Efficacy
110.1
SC
0.941



Curve



Cone of Light



	Center Beam fc	Beam Width	
1.7	1799	0.6	0.6
3.3	477	1.2	1.2
5.0	288	1.8	1.8
6.7	116	2.4	2.4
8.3	75.5	3.0	3.0
10.0	52.0	3.6	3.6

Candela Table

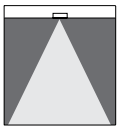
Degrees Vertical	Candela
0.0	5199
5.0	4494
10.0	2694
15.0	1200
20.0	672
25.0	476
30.0	331
35.0	149
40.0	30
45.0	6
50.0	3
55.0	2
60.0	0
65.0	0
70.0	0
75.0	0
80.0	0
85.0	0
90.0	0

Zonal Lumen Summary

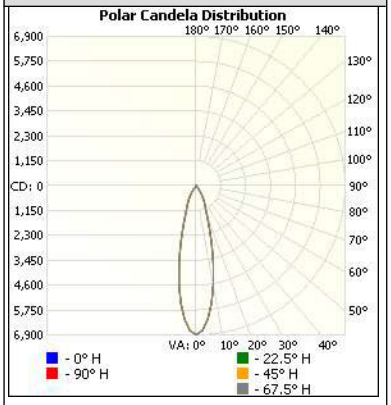
Zone	Lumens	% Luminaire
0-30	954.4	89.7
0-40	1051.0	98.7
10-60	1064.2	100.0
60-90	0.1	0.0
0-90	1064.4	100.0
90-180	0.0	0.0
0-180	1064.4	100.0

30° Distribution

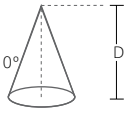
Test Number
103268734CRT-003
Model
V6CRSU-2035K-M
Lumens
1973.9
Efficacy
100.8
SC
0.990



Curve



Cone of Light



	Center Beam fc	Beam Width	
1.7	2385	0.8	0.8
3.3	633	1.5	1.5
5.0	276	2.3	2.3
6.7	154	3.1	3.1
8.3	100	3.9	3.9
10.0	68.9	4.7	4.7

Candela Table

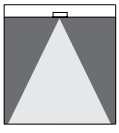
Degrees Vertical	Candela
0.0	6893
5.0	6183
10.0	4590
15.0	2769
20.0	1477
25.0	939
30.0	606
35.0	273
40.0	75
45.0	23
50.0	12
55.0	5
60.0	0
65.0	0
70.0	0
75.0	0
80.0	0
85.0	0
90.0	0

Zonal Lumen Summary

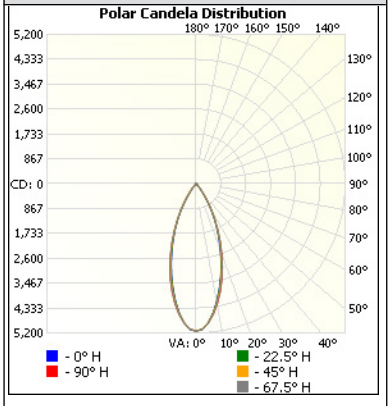
Zone	Lumens	% Luminaire
0-30	1747.8	88.5
0-40	1938.1	98.2
10-60	1973.6	100.0
60-90	0.2	0.0
0-90	1973.9	100.0
90-180	0.0	0.0
0-180	1973.9	100.0

45° Distribution

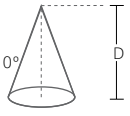
Test Number
103233437CRT-004
Model
V6CRSU-3035K-W
Lumens
2605.2
Efficacy
94.9
SC
0.995



Curve



Cone of Light



	Center Beam fc	Beam Width	
1.7	1778	1.2	1.3
3.3	472	2.3	2.3
5.0	206	3.5	3.7
6.7	114	4.7	5.0
8.3	74.6	5.9	6.1
10.0	51.4	7.1	7.4

Candela Table

Degrees Vertical	Candela
0.0	3546
5.0	3417
10.0	3152
15.0	2719
20.0	2046
25.0	1394
30.0	798
35.0	260
40.0	75
45.0	27
50.0	9
55.0	1
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	2181.1	83.7
0-40	2524.6	96.9
10-60	2604.2	100.0
60-90	1.0	0.0
0-90	2605.2	100.0
90-180	0.0	0.0
0-180	2605.2	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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