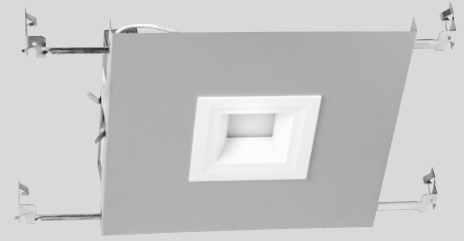


Part #	Prepared By
Project	Notes
Type	
Date	



# 6"x 6" C-Class, LED Downlight

## Lensed Square, 700-2000 lumens



### Description

C-Class small-aperture downlights provide efficient performance and a modern aesthetic at a value. New Construction, IC-Rated and Remodeler housing options available. Square C-Class downlights fit in round ceiling cutouts for easy installation.

### Features & Construction

#### ELECTRICAL SYSTEM

- 700 - 2000 lumens
- 2700K - 4000K CCT
- 80 CRI with 3 SDCM color consistency (+90 CRI optional)
- Standard 0-10V 10% dimming driver; optional drivers available
- 120 - 277V
- Minimum 50,000 hour lifetime at L70
- -20°C to 30°C Ambient Operating Temperature Range

#### OPTICS

- Medium Distribution
- Frosted Polycarbonate Regress Lens
- White Matte or Black Matte finish

#### FRAME & MOUNTING

- Stainless steel spring torsion retaining ears
- Advanced Quick Connect for easy installation
- Driver/Junction box listed for through branch wiring
- Uses round ceiling cutout for easy alignment
- Optional New Construction Frame with T-Bars
- Optional IC-Rated Frame with T-Bars

### 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

### Warranty & Notes

- 5-year limited warranty on LED module and driver
- [www.vantageltg.com/product-warranty](http://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 versions

### Lumens

Nominal Lumens	Delivered Lumens	Wattage	Lumens Per Watt
700	417	7.7	54.16
1300	774	14.4	53.75
2000	1191	27.6	43.14

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

### Ordering Information

EXAMPLE: SQ66LEDEC-0735K-CSQ6611FR-WHT-NCFAQ-HCR

		-			-		-		-		
Series	Voltage		Lumens	Kelvin (CCT)	Reflector	Flange Finish	Frame			Options*	
SQ66LEDEC	1 - 120V 2 - 277V 3 - 347V*		07 - 700 13 - 1300 20 - 2000	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K	CSQ6611FR Frosted Regressed Polycarbonate Lens  *All trims supplied standard with white painted flange.	WHT White Matte  BLK Black	NCFAQ New Construction Frame w/ Advanced Quick-Connect  NCFIC New Construction Frame w/ IC Box  RMDL Remodeler			EM HCR TDM XDM ZDM DL-2 LDE1 LDE5 PEQ0	

#### \*Options Notes

EM - Remote Emergency Battery Back-Up  
HCR - High CRI, 90+  
TDM - Triac (Forward-Phase) Dimming  
XDM - 0-10V 0.1% Dimming  
ZDM - 0-10V 1% Dimming  
DL-2 - Lutron 2-Wire Hi-Lume Dimming  
LDE1 - Lutron EcoSystem Digital Fade-to-Black 1% Dimming  
LDE5 - Lutron 5-Series EcoSystem 5% Dimming  
PEQ0 - Lutron EcoSystem Fade-to-Black 0.1% Dimming

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.

# 6"x 6" C-Class, LED Downlight

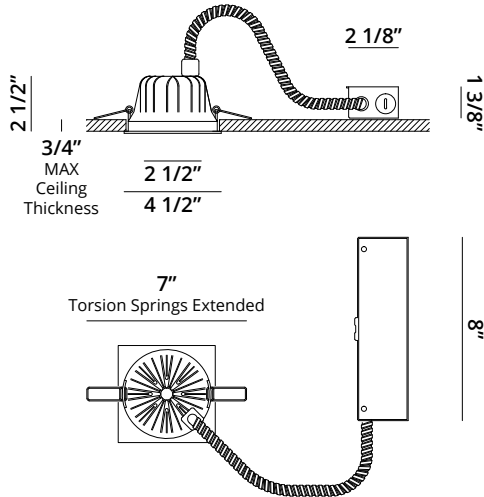
## Lensed Square, 700-2000 lumens



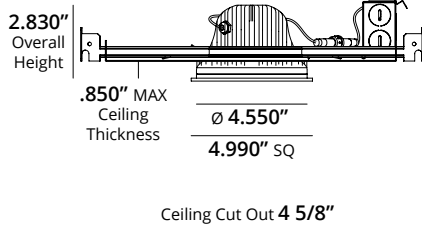
### Dimensional Data

RMDL  
(standard)

Ceiling Cut Out 3 3/4"



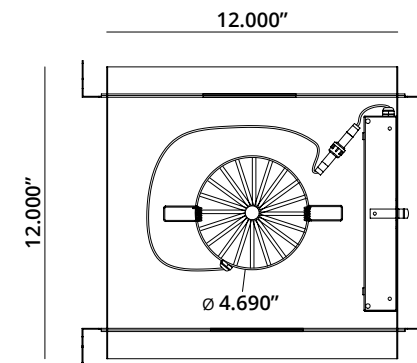
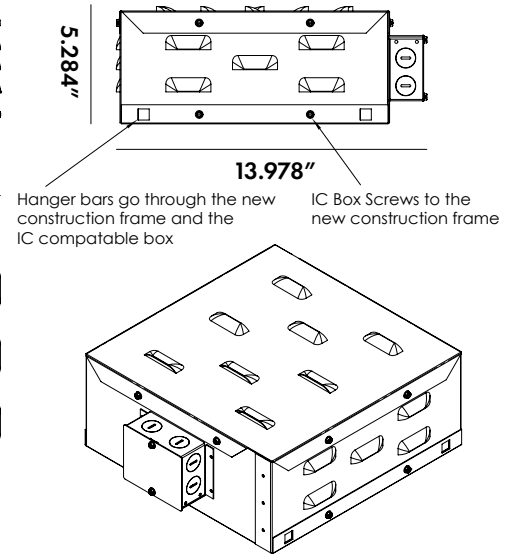
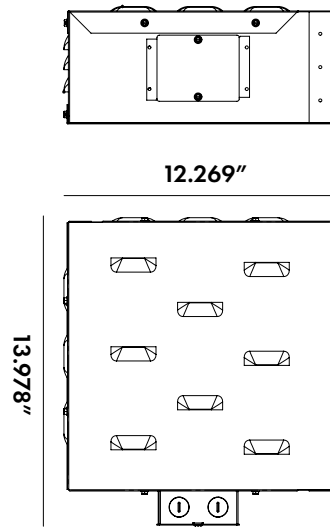
NCFAQ  
(new construction frame)



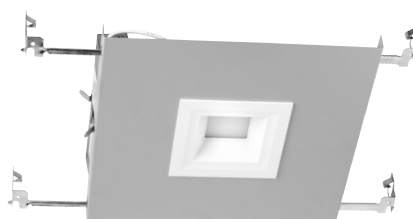
RMDL  
(standard)



NCFIC  
(IC-RATED)



NCFAQ  
(new construction frame)



\*New construction frame sold separately

NCFIC  
(IC-RATED)



\*IC-RATED box sold separately

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# 6"x 6" C-Class, LED Downlight

Lensed Square, 700-2000 lumens



## Photometry

### MEDIUM - MD 64° 1335K

**Model**  
SQ66LEDEC-1335K-MD

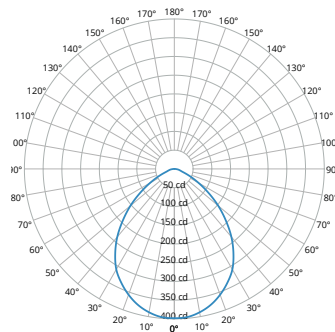
**Lumens**  
774

**Watts**  
14.4

**Efficacy**  
53.75

**SC**  
1.15

**Candela Curve**



**Cone of Light**

Mounting Height AFF	FC at Center on Floor	Beam Diameter
8.0 '	6 fc	15.0 '
10.0 '	4 fc	18.7 '
12.0 '	3 fc	22.5 '
14.0 '	2 fc	26.2 '
16.0 '	2 fc	30.0 '
20.0 '	1 fc	37.5 '
24.0 '	1 fc	44.9 '
30.0 '	0 fc	56.2 '

**Candela Table**

	0.00°
0.00°	398
5.00°	397
10.00°	388
15.00°	375
20.00°	357
30.00°	310
40.00°	237
50.00°	153
60.00°	75
70.00°	24
80.00°	11
90.00°	0

**Zonal Lumen Summary**

Zone	Lumens	% Luminaire
0° - 30°	302	39%
0° - 40°	472	61%
0° - 60°	713	92%
60° - 90°	61	8%
0° - 20°	150	19%
20° - 50°	469	61%
50° - 70°	136	18%
70° - 90°	19	2%
0° - 90°	774	100%
90° - 180°	0	0%
Total	774	100%

**Spacing Criterion**

Height	Spacing	Light Level*
8 ft	9.2 ft	~ 6 fc
10 ft	11.5 ft	~ 4 fc
12 ft	13.8 ft	~ 3 fc
8 ft	6.9 ft	~ 11 fc
10 ft	8.6 ft	~ 7 fc
12 ft	10.3 ft	~ 5 fc
8 ft	4.6 ft	~ 25 fc
10 ft	5.8 ft	~ 16 fc
12 ft	6.9 ft	~ 11 fc

\* approximate direct light level at floor based on spacing criterion overlap.