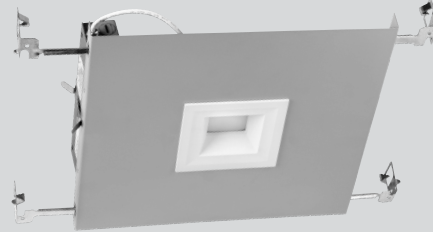


Part #	Prepared By
Project	Notes
Type	
Date	



# 4"x 4" C-Class, LED Downlight

## Lensed Square, 700-2000 lumens - Extreme Shallow Housing



### 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
- 120V - 347V input volts
- Minimum 50,000 hour lifetime at L70
- -20°C to 30°C Ambient Operating Temperature Range

#### OPTICS

- 80° Wide 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	Wattage
700	7.7
1300	14.4
2000	22.2
All measured at 3500K with a standard medium distribution *Actual Wattage/Lumens may vary.	

### Ordering Information

EXAMPLE: SQ44LEDEC-0735K-CSQ4411FR-WHT-NCFAQ-HCR

SQ44LEDEC		-			-	CSQ4411FR	-		-		-	
Series	Voltage		Lumens	Kelvin (CCT)		Reflector		Flange Finish		Frame		Options*
SQ44LEDEC	1 - 120V 2 - 277V 3 - 347V*		07 - 700 13 - 1300 20 - 2000	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K		CSQ4411FR 80° Wide Distribution Frosted Regressed Polycarbonate Lens		WHT White Matte  BLK Black		NCFAQ New Construction Frame w/ Advanced Quick-Connect  NCFIC New Construction Frame w/ IC Box  RMDL Remodeler		SDM TDM XDM ZDM DL-2 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  
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.

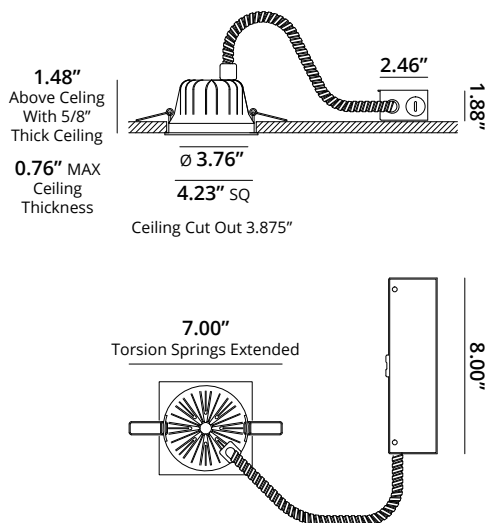
# 4"x 4" C-Class, LED Downlight

## Lensed Square, 700-2000 lumens - Extreme Shallow Housing

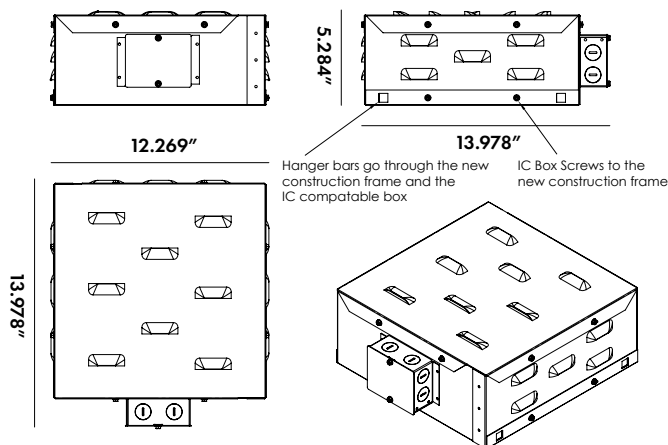


### Dimensional Data

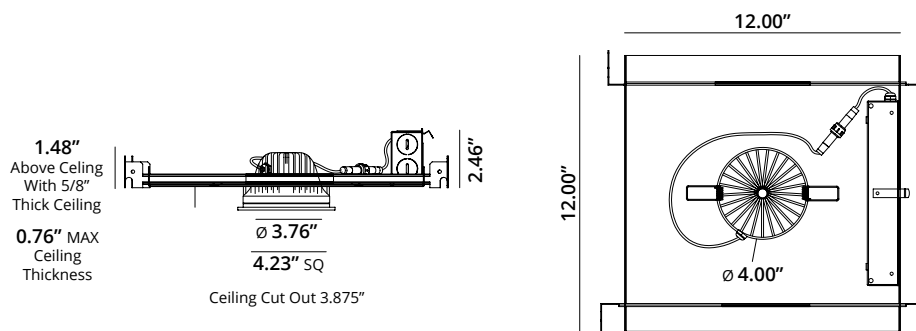
RMDL  
(standard)



NCFIC  
(IC-RATED)



NCFAQ  
(new construction frame)



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.

# 4"x 4" C-Class, LED Downlight

## Lensed Square, 700-2000 lumens - Extreme Shallow Housing



### Photometry

#### WIDE 80° 1335K

**Model**  
SQ44LEDEC-1335K-MD

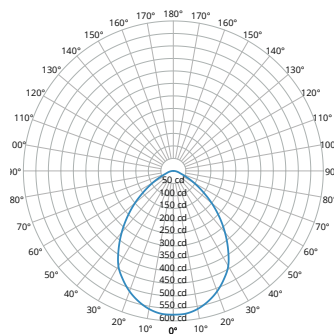
**Lumens**  
1,071

**Watts**  
20.76

**Efficacy**  
51.59

**SC**  
1.14

**Candela Curve**



**Cone of Light**

Mounting Height AFF	FC at Center on Floor	Beam Diameter
8.0 '	9 fc	14.4 '
10.0 '	6 fc	18.0 '
12.0 '	4 fc	21.6 '
14.0 '	3 fc	25.2 '
16.0 '	2 fc	28.8 '
20.0 '	1 fc	36.0 '
24.0 '	1 fc	43.1 '
30.0 '	1 fc	53.9 '

**Candela Table**

	0.00°
0.00°	575
5.00°	573
10.00°	561
15.00°	540
20.00°	513
30.00°	439
40.00°	321
50.00°	201
60.00°	96
70.00°	33
80.00°	14
90.00°	0

**Zonal Lumen Summary**

Zone	Lumens	% Luminaire
0° - 30°	433	40%
0° - 40°	671	63%
0° - 60°	993	93%
60° - 90°	78	7%
0° - 20°	215	20%
20° - 50°	654	61%
50° - 70°	176	16%
70° - 90°	25	2%
0° - 90°	1,071	100%
90° - 180°	0	0%
Total	1,071	100%

**Spacing Criterion**

Height	Spacing	Light Level*
8 ft	9.1 ft	~ 9 fc
10 ft	11.4 ft	~ 6 fc
12 ft	13.7 ft	~ 4 fc
8 ft	6.8 ft	~ 16 fc
10 ft	8.5 ft	~ 10 fc
12 ft	10.3 ft	~ 7 fc
8 ft	4.6 ft	~ 36 fc
10 ft	5.7 ft	~ 23 fc
12 ft	6.8 ft	~ 16 fc

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