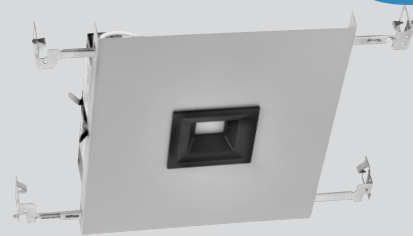


Part #	Prepared By
Project	Notes
Type	
Date	



2"x 2" C-Class, LED Downlight

Lensed Square, 700-1300 lumens - Extreme Shallow Housing



Description

Extreme Shallow 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 - 1300 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
- 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
All measured at 3500K with a standard medium distribution *Actual Wattage/Lumens may vary.	

Ordering Information

EXAMPLE: SQ22LEDEC-0735K-CSQ2211FR-WHT-NCFAQ-HCR

SQ22LEDEC		-		-	CSQ2211FR	-		-		-	
Series	Voltage		Lumens	Kelvin (CCT)	Reflector		Flange Finish		Frame		Options*
SQ22LEDEC	1 - 120V 2 - 277V 3 - 347V*		07 - 700 13 - 1300	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K	CSQ2211FR 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.

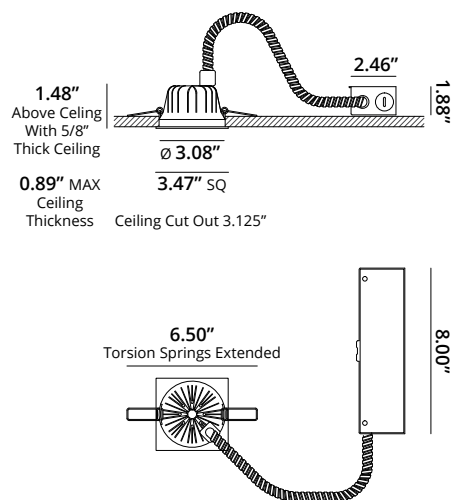
2"x 2" C-Class, LED Downlight

Lensed Square, 700-1300 lumens - Extreme Shallow Housing

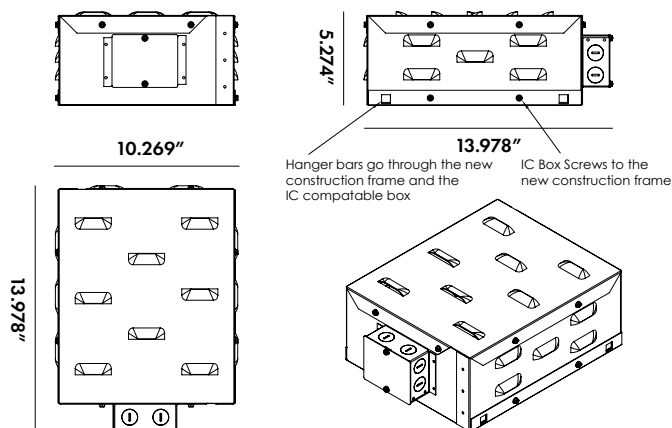


Dimensional Data

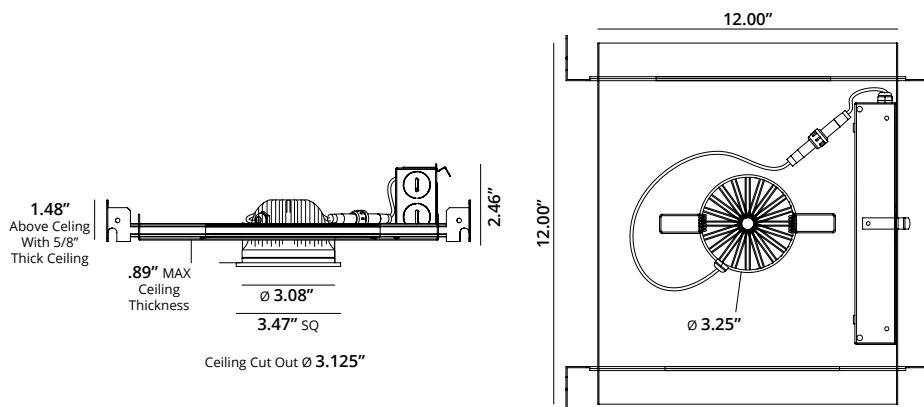
RMDL
(standard)



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

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2"x 2" C-Class, LED Downlight

Lensed Square, 700-1300 lumens - Extreme Shallow Housing



Photometry

WIDE 80° 1335K

Model
SQ22LEDEC-1335K-MD

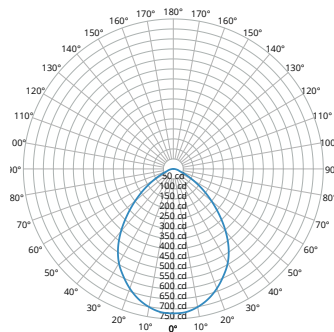
Lumens
1,374

Watts
14.4

Efficacy
95.42

SC
1.13

Candela Curve



Cone of Light

Mounting Height AFF	FC at Center on Floor	Beam Diameter
8.0 '	11 fc	14.8 '
10.0 '	7 fc	18.5 '
12.0 '	5 fc	22.2 '
14.0 '	4 fc	25.9 '
16.0 '	3 fc	29.6 '
20.0 '	2 fc	37.0 '
24.0 '	1 fc	44.5 '
30.0 '	1 fc	55.6 '

Candela Table

	0.00°
0.00°	723
5.00°	719
10.00°	701
15.00°	674
20.00°	636
30.00°	544
40.00°	407
50.00°	249
60.00°	117
70.00°	36
80.00°	15
90.00°	0

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0° - 30°	539	39%
0° - 40°	840	61%
0° - 60°	1,274	93%
60° - 90°	100	7%
0° - 20°	269	20%
20° - 50°	834	61%
50° - 70°	242	18%
70° - 90°	29	2%
0° - 90°	1,374	100%
90° - 180°	0	0%
Total	1,374	100%

Spacing Criterion

Height	Spacing	Light Level*
8 ft	9.0 ft	~ 11 fc
10 ft	11.3 ft	~ 7 fc
12 ft	13.6 ft	~ 5 fc
8 ft	6.8 ft	~ 20 fc
10 ft	8.5 ft	~ 13 fc
12 ft	10.2 ft	~ 9 fc
8 ft	4.5 ft	~ 45 fc
10 ft	5.6 ft	~ 29 fc
12 ft	6.8 ft	~ 20 fc

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