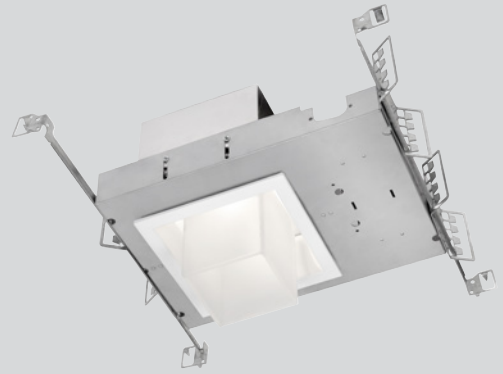
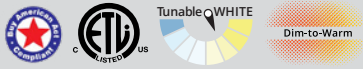


Part #	Prepared By
Project	Notes
Type	
Date	

4" Luna Sqaure, F-Class Gen V

Decorative LED Downlight, 750-7000 Lumens



Features & Specifications

ELECTRICAL SYSTEM

- 750 - 7000 lumens
- 2700K - 5000K CCT
- Optional Tunable White, 2700K - 6500K or 1800K - 4000K CCT
- 80 CRI with 3 SDCM color consistency (+90 CRI optional)
- Standard 0-10V 1% dimming driver, ZDM; optional drivers available
- 120V - 277V Universal Input Volts, 347V option
- Minimum 50,000 hour lifetime at L70
- -20°C to 30°C Ambient Operating Temperature Range

OPTICS

- Sqaure architectural-grade reflector with Luna decorative element
- Polycarbonate decorative element to reduce breakage potential
- Reflectors available in Alzak® and painted finishes
- 40° distribution

FRAME & MOUNTING

- Galvanized steel frame with integrated junction box featuring hinged access covers with spring retaining latches
- Vertically adjustable rigid formed mounting brackets that accept a variety of mounting bars with auxillary nail holes and T-bar slots
- T-Bars included, suitable for joist spacing from 12" to 24"
- Supports straight conduit runs - (3) 3/4" knockouts
- Through branch wiring - (8) #12 AWG (4 in, 4 out), 90°C conductors
- Accessibility to all LED components from below ceiling
- Flush to the ceiling reflectors, secured by high quality friction clips

Listings

- ETL certified to UL 1598 and UL8750 requirements
- Tested according to LM-79 and LM-80 standards
- Energy Star® certified versions available (see Vantage Energy Star® guide for details)
- Suitable for damp locations 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 must be kept 3" away from luminaire

Lumens*

Nominal Lumens	Delivered Lumens	Wattage	Lumens Per Watt
750	529	9.4	56.28
1100	776	15.4	50.39
1500	1176	21.6	54.44
2000	1411	27.2	51.88
3000	2117	33.5	63.19
4000	2822	45.6	61.89
5000	3528	58.5	60.31
6000	4233	60.1	70.43
7000	4939	85.3	57.90

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

Ordering Information

EXAMPLE: VGCSQ44VEFLEDU-1130K-LSQ4421-200-SGC-ZDM

Series	Voltage	Lumens	Kelvin (CCT)	Reflector	Finishes	Options**
VGCSQ44VEFLED	U - 120V-277V 1 - 120V 2 - 277V 3 - 347V (347V Step Down Transformer) *Must provide voltage when optional drivers are selected.	07 - 750 11 - 1100 15 - 1500 20 - 2000 30 - 3000 40 - 4000 50 - 5000 60 - 6000 70 - 7000	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K 50K - 5000K TWC - Tunable White Full Color (2700K-6500K)* TWW - Turnable White Warm Color (1800K-4000K)* DTW - Dim-to-Warm (1800K-3000K)** *Available up to 2000 lumens **Available up to 5000 lumens	LVGCSQ4421-200	SCL Specular Clear SGC Soft Glow Clear WHT White Matte *All trims supplied standard with white painted flange.	ZDM (standard) HCR PF EM17 EM20 EM-CW-LED GR-44-"xx" GTD SENSDYOC BRGESEN

**Options Notes

ZDM - 0-10V 1% dimming driver (standard)
DTD - 0-10V 0.1% dimming driver. (up to 4000 lumens)
DTDHL - 0-10V 0.1% dimming driver. (use with 5000 - 7000 lumens)
DMX - DMX with RDM dimming driver, requires DCA
DCA - Daisy Chain Adaptor
TDM - Triac (Forward Phase, 120V only) dimming driver. (up to 5000 lumens)
DMM - Dali Driver (up To 5000 Lumens)
DMMHO - Dali Driver (use with 6000 and 7000 Lumens)
TWC - Tunable White Full Color 27k-65k, 90+ Cri With 0-10v Dual Control And 0.1% Dimming. (up to 2000 Lumens)
TWW - Turnable White Warm Color 18k-40k, 90+ Cri With 0-10v Dual Control And 0.1% Dimming. (up to 2000 Lumens)
DTW - Dim-to-Warm 18K-30K, 90CRI with 0-10V. (up to 5000 lumens)
DL-2 - Lutron 2-Wire Hi-lume dimming driver. (up to 3000 lumens)
DL-3 - Lutron Hi-lume 1% 3-wire dimming driver. (up to 3000 Lumens)
LDE1 - Lutron Hi-lume 1% with Soft-On, Fade-to-Black dimming driver. (up to 4000 lumens)
PEQ0 - Lutron Hi-lume Premier 0.1% with Soft-On, Fade-to-Black dimming driver. (up to 4000 lumens)

PSQ0 - Lutron Eco-system Tunable White Driver .1% (not available above 2000 lumens (requires TWW or TWC and ECOSYSTEM PROJECT ID)
HCR - High CRI, 90+ minimum. (Not available in 5000 Kelvin)
PF - Polished Flange
EM17 - Battery Backup W/remote Test Button & Indicator Light (for 800-5000 Lumen Luminaires)
EM17 - Battery Backup W/integral Test Button & Indicator Light (for 800-5000 Lumen Luminaires)
EM20 - Battery Backup W/remote Test Button & Indicator Light (for Greater Than 5000 Lumen Luminaires)
EM20 - Battery Backup W/integral Test Button & Indicator Light (for Greater Than 5000 Lumen Luminaires)
EM-CW-LED - Cold Weather Rated Emergency Driver
GR-44-"xx" - 4" Goof Ring (inner Dimension - Specify outer dimension In place of 'xx')
GTD - Generator Transfer Device
SENSDYOC - Daylight/occupancy Sensor - remote mount
BRGESEN - Bridge up to 400 Watts for Sesndyoc

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" Luna Sqaure, F-Class Gen V

Decorative LED Downlight, 750-7000 Lumens

Dimensional Data

Ceiling cut Out 5.12" x 5.12"

Above Ceiling Height
with 5/8" Ceiling

4.69" ≤ 3000L

5.00" 4000L & 5000L

Above Ceiling Height

Max Ceiling Thickness

1.50" - 3.87"

Min Ceiling Thickness

0.38" - 4.94"

Above Ceiling Height

with 5/8" Ceiling

7.45" 6000 & 7000L

Lumen

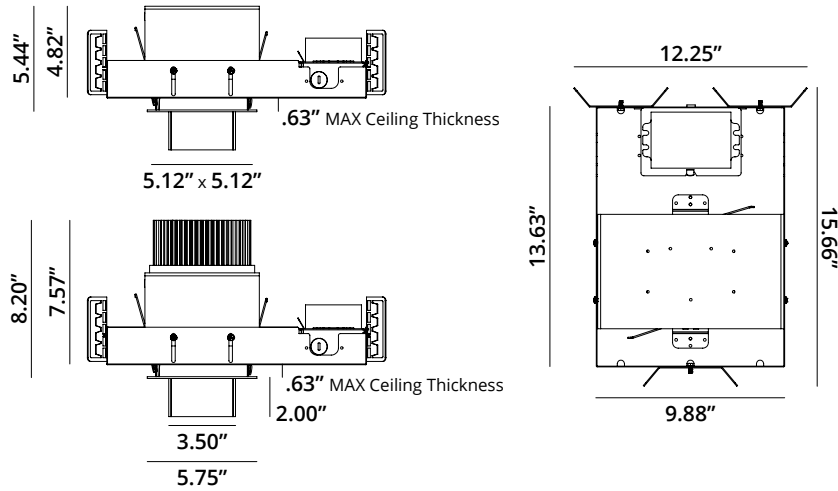
Above Ceiling Height

Max Ceiling Thickness

1.50" - 6.45"

Min Ceiling Thickness

0.38" - 7.70"



Reflector Finishes



WHT
White Matte

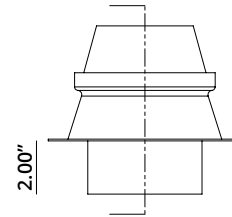


SGC
Soft Glow Clear



SCL
Specular Clear

LVGCSQ4421-200



Photometry

LVGCSQ4421-200 - 40° Distribution

Model
VGSSQ44VEFLEDU2035K

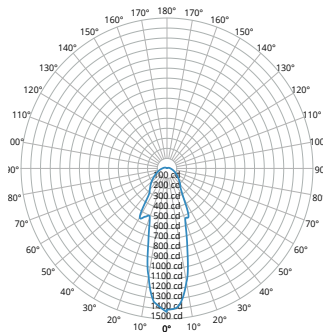
Lumens
1,411

Watts
27.2

Efficacy
51.88

SC
0.55

Candela Curve



Cone of Light

Mounting Height AFF	FC at Center on Floor	Beam Diameter
8.0 ' 1	22 fc	4.7 ' 1
10.0 ' 1	14 fc	5.9 ' 1
12.0 ' 1	10 fc	7.1 ' 1
14.0 ' 1	7 fc	8.3 ' 1
16.0 ' 1	6 fc	9.5 ' 1
20.0 ' 1	4 fc	11.8 ' 1
24.0 ' 1	2 fc	14.2 ' 1
30.0 ' 1	2 fc	17.8 ' 1

Candela Table

	0.00°
0.00°	1,409
5.00°	1,375
10.00°	1,149
15.00°	805
20.00°	550
30.00°	342
40.00°	211
50.00°	153
60.00°	108
70.00°	76
80.00°	52
90.00°	35

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0° - 30°	545	39%
0° - 40°	728	52%
0° - 60°	1,024	73%
60° - 90°	269	19%
0° - 20°	344	24%
20° - 50°	541	38%
50° - 70°	252	18%
70° - 90°	155	11%
0° - 90°	1,293	92%
90° - 180°	118	8%
Total	1,411	100%

Spacing Criterion

Height	Spacing	Light Level*
8 ft	4.4 ft	~ 22 fc
10 ft	5.5 ft	~ 14 fc
12 ft	6.6 ft	~ 10 fc
8 ft	3.3 ft	~ 39 fc
10 ft	4.1 ft	~ 25 fc
12 ft	5.0 ft	~ 17 fc
8 ft	2.2 ft	~ 88 fc
10 ft	2.8 ft	~ 56 fc
12 ft	3.3 ft	~ 39 fc

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

MULTIPLIER

CRI	Multiplier	Kelvin	Multiplier	Reflector Finish	Multiplier
80	1	2700K	0.939	SCL	1
90	0.8	3000K	0.975	SGC	0.95
		3500K	1	WHT	0.87
		4000K	1.035		
		5000K	1.098		

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