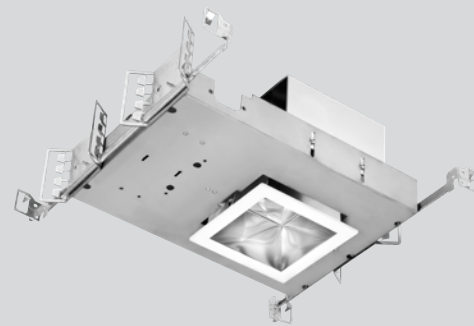


|         |             |
|---------|-------------|
| Part #  | Prepared By |
| Project | Notes       |
| Type    |             |
| Date    |             |

# 6" Sqaure, F-Class Gen V

## Open 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
- Reflectors available in Alzak® and painted finishes
- 60° Medium 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
- Suitable for damp locations under covered ceiling
- IC-Rated: insulation can be in direct contact with luminaire
- Buy American Act (BAA)

### Warranty & Notes

- 5-year limited warranty on LED module and driver
- [www.vantageltg.com/product-warranty](http://www.vantageltg.com/product-warranty)
- Photometric tests peformed by an accredited NVLP facility and in accordance to IESNA LM-79-2008 testing procedures

### Lumens\*

| Nominal Lumens | Wattage |
|----------------|---------|
| 750            | 9.4     |
| 1100           | 15.4    |
| 1500           | 21.6    |
| 2000           | 27.2    |
| 3000           | 36.79   |
| 4000           | 45.6    |
| 5000           | 58.5    |
| 6000           | 60.1    |
| 7000           | 70.35   |

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

### Ordering Information

EXAMPLE: SQ66VOFLEDU-1130K-LSQ6600-SGC-ZDM

| Series     | Voltage  | Lumens   | Kelvin (CCT)   | Reflector                            | Finishes   | Options**   |  |
|------------|--|--|--|--------------------------------------|--|---|--|
| SQ66VOFLED | U - 120V-277V<br>1 - 120V<br>2 - 277V<br>3 - 347V<br>(347V Step Down Transformer)<br><br>*Must provide voltage when optional drivers are selected. | 07 - 750<br>11 - 1100<br>15 - 1500<br>20 - 2000<br>30 - 3000<br>40 - 4000<br>50 - 5000<br>60 - 6000<br>70 - 7000 | 27K - 2700K<br>30K - 3000K<br>35K - 3500K<br>40K - 4000K<br>50K - 5000K<br>TWC - Tunable White Full Color (2700K-6500K)*<br>TWW - Turnable White Warm Color (1800K-4000K)*<br>DTW - Dim-to-Warm (1800K-3000K)**<br><br>*Available up to 2000 lumens<br>**Available up to 5000 lumens | LSQ6600<br>Medium 60° Open Reflector | SCL<br>Specular Clear<br>SGC<br>Soft Glow Clear<br>WHT<br>White Matte<br><br>*All trims supplied standard with white painted flange. | ZDM (standard)<br>DTD<br>DTDHL<br>DMX<br>DCA<br>TDM<br>DMM<br>DMMHO | HCR<br>PF<br>EM17<br>EM-CW-LED<br>GR-66-"xx"<br>GTD<br>SENSDYOC<br>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 (Foward 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)

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)  
 EM-CW-LED - Cold Weather Rated Emergency Driver  
 GR-66-"xx" - 6" Goof Ring (inner Dimension - Specify outer dimension In place of 'xx')  
 GTD - Generator Transfer Device  
 SENS DYOC - Daylight/occupancy Sensor - remote mount  
 BRGESEN - Bridge up to 400 Watts for Sesndyoc

# 6" Sqaure, F-Class Gen V

## Open LED Downlight, 750-7000 Lumens

### Dimensional Data

Ceiling Cut Out 6.50" x 6.50"

Above Ceiling Height  
with 5/8" Ceiling  
4.55" ≤ 5000L

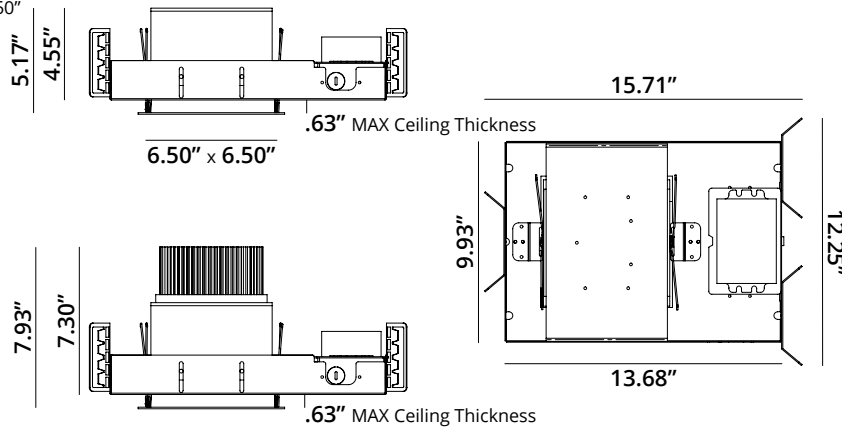
4.86" 4000 & 5000L

Above Ceiling Height  
Max Ceiling Thickness  
1.30" - 3.87"

Min Ceiling Thickness  
0.25" - 4.92"

Above Ceiling Height  
with 5/8" Ceiling  
7.30" 6000L & 7000L

Above Ceiling Height  
Max Ceiling Thickness  
1.30" - 6.63"  
Min Ceiling Thickness  
0.25" - 7.68"



### Reflector Finishes



**WHT**  
White Matte

**SGC**  
Soft Glow Clear

**SCL**  
Specular Clear

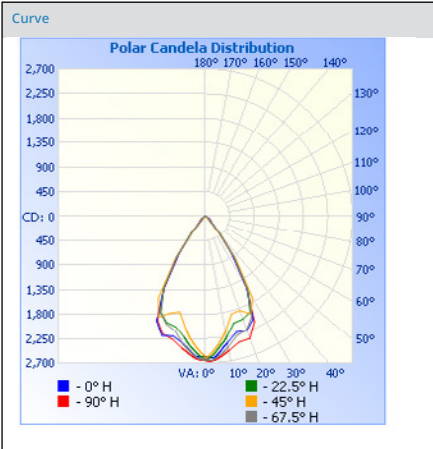
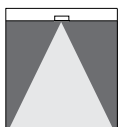
### Photometry

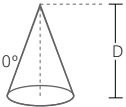
Model  
SQ66VOFLEDU-3035K

Lumens  
2571.65

Efficacy  
69.90

SC  
0.9960



| Cone of Light   |                |            |      |
|---|----------------|------------|------|
|  |                |            |      |
|   | Center Beam fc | Beam Width |      |
| 1.7   | 904            | 2.1        | 2.1  |
| 3.3   | 240            | 4.0        | 4.0  |
| 5.0   | 104            | 6.1        | 6.1  |
| 6.7   | 58.2           | 8.2        | 8.2  |
| 8.3   | 37.9           | 10.1       | 10.1 |
| 10.0  | 26.1           | 12.2       | 12.2 |

| Candela Table    |         |
|------------------|---------|
| Degrees Vertical | Candela |
| 0.0              | 2612    |
| 1.0              | 2589    |
| 3.0              | 2607    |
| 5.0              | 2556    |
| 7.0              | 2470    |
| 9.0              | 2398    |
| 10.0             | 2360    |
| 15.0             | 2206    |
| 20.0             | 2230    |
| 25.0             | 2077    |
| 30.5             | 1509    |
| 35.5             | 842     |
| 40.5             | 369     |
| 45.0             | 173     |
| 50.0             | 118     |
| 55.0             | 101     |
| 60.5             | 85      |
| 65.5             | 41      |
| 70.0             | 14      |
| 75.0             | 10      |
| 80.0             | 9       |
| 85.0             | 8       |
| 90.0             | 6       |
| 100.0            | 6       |

| Zonal Lumen Summary |        |             |
|---------------------|--------|-------------|
| Zone                | Lumens | % Luminaire |
| 0-30                | 1719.7 | 66.9        |
| 0-40                | 2295.3 | 89.3        |
| 0-60                | 2480.0 | 96.4        |
| 60-90               | 46.3   | 1.8         |
| 70-100              | 26.4   | 1           |
| 90-120              | 19.6   | 0.8         |
| 0-90                | 2626.3 | 98.2        |
| 90-180              | 45.3   | 1.8         |
| 0-180               | 2571.6 | 100         |

### 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      |                  |            |

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.