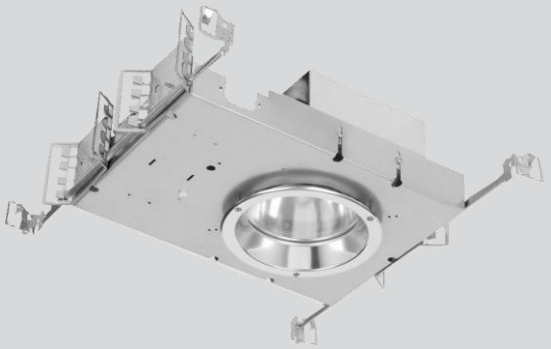
Part #	**Prepared By**
Project	**Notes**
Type	
Date	



6” Round, Vandal Resistant F-Class Gen V

Lensed, 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

- Robust spun reflector with regressed lens
- Durable polycarbonate lens
- Optics & Trim secured with tamper-proof screws (proprietary screwdriver included)
- Reflector available in Alzak® and painted finishes; antimicrobial standard
- 60° Medium distribution
- Easy to clean

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

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
- Optional IP65 dust and water protection below ceiling plane, in certain configurations
- 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	614	9.4	65.32
1100	901	15.4	58.51
1500	1229	21.6	56.90
2000	1638	27.2	60.22
3000	2457	33.5	73.34
4000	3276	45.6	71.84
5000	4095	58.3	70.24
6000	4914	60.1	81.76
7000	5733	85.3	67.21

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

Ordering Information

EXAMPLE: VVR6VEFLED-1130K-VVRL6011P-SGC-ZDM

VVR6VEFLED		-		-		-		-		-	

Series	Voltage	Lumens	Kelvin (CCT)	Reflector/Lens*	Finishes	Options**
VVR6VEFLED	**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	**VVRL6011P** **VVRL6011FRP** **VVRL6014P** **VVRL6012D** 20˚ **VVRL6014D** 40˚ **VVRL6016D** 60˚ **VVRL6018D** 80˚	**SCL** Specular Clear **SGC** Soft Glow Clear **WHT** White Matte *All trims supplied standard with white painted flange.	**ZDM** (standard) **DTD** **DTDHL** **DMX** **DCA** **TDM** **DMM** **DMMHO** **DL-2** **DL-3** **LDE1** **PEQ0** **PSQ0** **HCR** **PF** **AT** **EM17** **EM20** **EMI20** **EM-CW-LED** **GR-6-”xx”** **GTD** **SENSDYOC** **BRGESEN** **IP65**

***Lens Notes**

VVRL6011P - Medium 60˚ Clear Polycarbonate Lensed Reflector
VVRL6011FRP - Medium 60˚ Frosted Polycarbonate Lensed Reflector
VVRL6014P - Medium 60˚ Prismatic Acrylic Lensed Reflector
VVRL6012D - BeamShaper® Lens, 20˚ Beam Angle Reflector
VVRL6014D - BeamShaper® Lens, 40˚ Beam Angle Reflector
VVRL6016D - BeamShaper® Lens, 60˚ Beam Angle Reflector
VVRL6018D - BeamShaper® Lens, 80˚ Beam Angle Reflector

****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 - Daisly 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)
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)
EM20 - Battery Backup W/remote Test Button & Indicator Light (for Greater Than 5000 Lumen Luminaires)
EMI20 - Battery Backup W/integral Test Button & Indicator Light (for Greater Than 5000 Lumen Luminaires)
EM-CW-LED - Cold Weather Rated Emergency Driver
GR-6-”xx” - 6” 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
IP65 – Requires lens EXCLUDING L6014 and L6014P

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” Round, Vandal Resistant F-Class Gen V

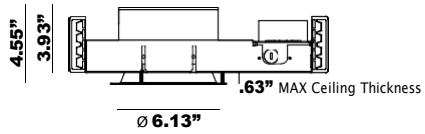
Lensed, LED Downlight, 750-7000 Lumens

Dimensional Data

Ceiling Cut Out 6.13”

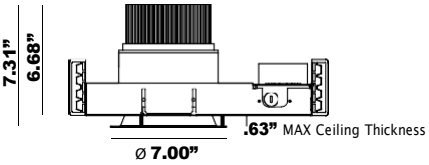
Above Ceiling Height with 5/8” Ceiling
3.93” ≤ 3000L
4.24” 4000L & 5000L

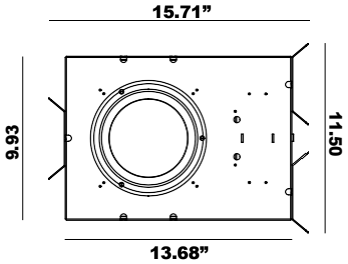
Above Ceiling Height
Max Ceiling Thickness
1.10” - **3.45”**
Min Ceiling Thickness
0.25” - **4.30”**



Above Ceiling Height
6.68” 6000L & 7000L

Above Ceiling Height
Max Ceiling Thickness
1.10” - **6.21”**
Min Ceiling Thickness
0.25” - **7.06”**





Reflector Finishes / Lens Options



SCL-1P
Clear Polycarbonate

SCL-1FRP
Frosted Polycarbonate

SCL-4P
Prismatic Acrylic

SGC-1P
Clear Polycarbonate

SGC-1FRP
Frosted Polycarbonate

SGC-4P
Prismatic Acrylic

WHT-1P
Clear Polycarbonate

WHT-1FRP
Frosted Polycarbonate

WHT-4P
Prismatic Acrylic

Photometry

VVRL601P - 60˚ Medium Distribution

Model
VVR6VEFLEDU-2035K-VVRL6011P-SCL

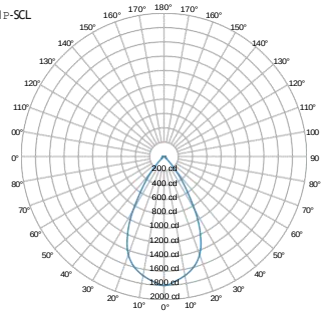
Lumens
1,638

Watts
27.2

E◆cacy
60.22

SC
0.92

Candela Curve



Cone of Light

Mounting Height AFF	FC at Center on Floor	Beam Diameter
8.0 '	28 fc	9.1 '
10.0 '	18 fc	11.3 '
12.0 '	13 fc	13.6 '
14.0 '	9 fc	15.9 '
16.0 '	7 fc	18.1 '
20.0 '	5 fc	22.7 '
24.0 '	3 fc	27.2 '
30.0 '	2 fc	34.0 '

Candela Table

	0.00°
0.00°	1,802
5.00°	1,751
10.00°	1,689
15.00°	1,601
20.00°	1,458
30.00°	863
40.00°	263
50.00°	38
60.00°	26
70.00°	22
80.00°	0
90.00°	0

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0° - 30°	1,157	71%
0° - 40°	1,482	90%
0° - 60°	1,597	98%
60° - 90°	41	2%
0° - 20°	613	37%
20° - 50°	957	58%
50° - 70°	52	3%
70° - 90°	16	1%
0° - 90°	1,638	100%
90° - 180°	0	0%
Total	1,638	100%

Spacing Criterion

Height	Spacing	Light Level*
8 ft	7.4 ft	~ 28 fc
10 ft	9.2 ft	~ 18 fc
12 ft	11.0 ft	~ 13 fc
8 ft	5.5 ft	~ 50 fc
10 ft	6.9 ft	~ 32 fc
12 ft	8.3 ft	~ 22 fc
8 ft	3.7 ft	~ 113 fc
10 ft	4.6 ft	~ 72 fc
12 ft	5.5 ft	~ 50 fc

* approximate direct light level at ◆oor 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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