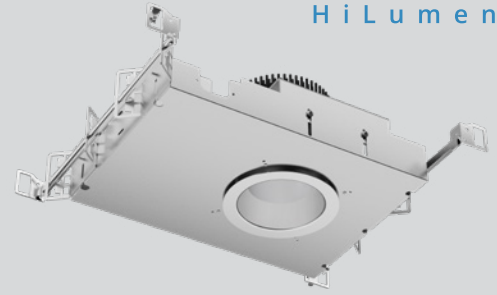


Part #	Prepared By
Project	Date
Type	

4" Round, F-Class HiLumen

Lensed, LED Downlight, 4000-8000 Lumens - HiLumen Shallow



Features & Construction

ELECTRICAL SYSTEM

- 4000 - 8000 lumens
- Efficient LED system up to 112 LPW Lumens Per Watt
- 3000K - 5000K CCT
- 80 CRI with 3 SDCM color consistency, 90+ CRI option
- 0-10V 10% dimming standard
- 120V - 277V Universal Input Volts, 347V option
- Minimum 50,000 hour lifetime at L70
- -20°C to 30°C Ambient Operating Temperature Range

OPTICS

- Precision spun architectural-grade reflector with regressed lens
- Polycarbonate and Glass lens options
- Reflectors available in Alzak® and painted finishes
- Distribution is free of streaks, striations and hotspots
- 60° Medium distribution
- Easy to clean

FRAME & MOUNTING

- Anticorrosive galvanized steel frame with integrated junction box featuring hinged access covers with spring retaining latches
- Rigid formed mounting brackets accept a variety of mounting bars with auxiliary 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 spring clips

Listings

- ETL certified to UL 1598 and UL8750 requirements
- Tested according to LM-79 and LM-80 standards
- Damp Location and Wet Location Under Covered Ceiling (per NEC 410 & UL 1598)
- Buy American Act (BAA Compliant)
- Flicker Free (per NEMA 77-2017)

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	All measured at 4000K with a standard medium distribution
4000	4341	39.8	109.07	
5000	5426	49.6	109.40	
6000	6512	58.6	111.13	
8000	8682	77	112.75	*Actual Wattage/Lumens may vary.

Ordering Information

EXAMPLE: A4VEFHLU-8040K-L4011-SGC-SDM

A4VEFHL		-		-	L401	-		-		-	
Series	Voltage	Lumens	Kelvin (CCT)	Reflector	Lens*	Reflector Finish	Dimming Options**	Additional Options***			
A4VEFHL	U - 120V-277V 1 - 120V 2 - 277V 3 - 347V (347V Step Down Transformer) *Must provide voltage when optional drivers are selected.	40 - 4000 50 - 5000 60 - 6000 80 - 8000	30K - 3000K 35K - 3500K 40K - 4000K 50K - 5000K	L401 60° Medium Regressed Lens Reflector	1 1FR 1P 1FRP 4	SCL Specular Clear SGC Soft Glow Clear WHT White Matte *All trims supplied standard with white painted flange.	SDM (standard) ZDMHL TDMHL DMX DCA	HCR EM17 EM20 PF			

*Lens Notes

- 1 - Clear Glass Lens
- 1FR - Frosted Glass Lens
- 1P - Clear Polycarbonate Lens
- 1FRP - Frosted Polycarbonate Lens
- 4 - Prismatic Glass Lens

** Dimming Options Notes

- SDM - 0-10V 10% dimming driver. (standard)
- ZDMHL - 0-10V 1% dimming driver (up to 10000 Lumens)
- TDMHL - Triac (Forward Phase, 120V only) dimming driver. (up to 12000 lumens)
- DMX - DMX with RDM dimming driver. Available up to 10,000 lumens.
- DCA - Daisy Chain Adapter (must be used when daisy chaining DMX fixtures)

*** Additional Options Notes

- HCR - High CRI, 90+ minimum.
- EM17 - Battery Backup W/remote Test Button & Indicator Light (for up to 5000 Lumen Luminaires)
- EM20 - Battery Backup W/remote Test Button & Indicator Light (for Greater Than 5000 Lumen Luminaires)
- PF - Polished Flange

4" Round, F-Class HiLumen

Lensed, LED Downlight, 4000-8000 Lumens - HiLumen Shallow

F-CLASS
HiLumen

Photometry

L4011 - 60° Medium Distribution

Model
A4VEFHL-8040K-L4011-SCL

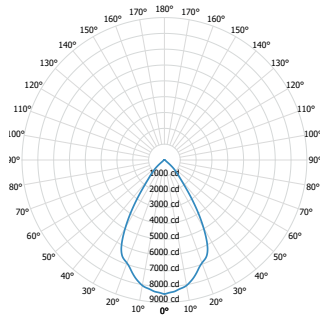
Lumens
8682

Watts
77

Efficacy
112.75

SC
1.01

Candela Curve



Cone of Light

Mounting Height AFF	FC at Center on Floor	Beam Diameter
8.0 ft	132 fc	9.9 ft
10.0 ft	85 fc	12.4 ft
12.0 ft	59 fc	14.9 ft
14.0 ft	43 fc	17.4 ft
16.0 ft	33 fc	19.9 ft
20.0 ft	21 fc	24.9 ft
24.0 ft	15 fc	29.8 ft
30.0 ft	9 fc	37.3 ft

Candela Table

	0.00°
0.00°	8467
5.00°	8301
10.00°	8051
15.00°	7529
20.00°	6928
30.00°	4933
40.00°	1637
50.00°	475
60.00°	88
70.00°	31
80.00°	1
90.00°	0

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0° - 30°	5755	66%
0° - 40°	7672	88%
0° - 60°	8614	99%
60° - 90°	68	1%
0° - 20°	2894	33%
20° - 50°	5559	64%
50° - 70°	222	3%
70° - 90°	7	0%
0° - 90°	8682	100%
90° - 180°	0	0%
Total	8682	100%

Spacing Criterion

Height	Spacing	Light Level*
8 ft	8.1 ft	~ 132 fc
10 ft	10.1 ft	~ 85 fc
12 ft	12.1 ft	~ 59 fc
8 ft	6.1 ft	~ 235 fc
10 ft	7.6 ft	~ 151 fc
12 ft	9.1 ft	~ 105 fc
8 ft	4.0 ft	~ 529 fc
10 ft	5.0 ft	~ 339 fc
12 ft	6.1 ft	~ 235 fc

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

MULTIPLIER

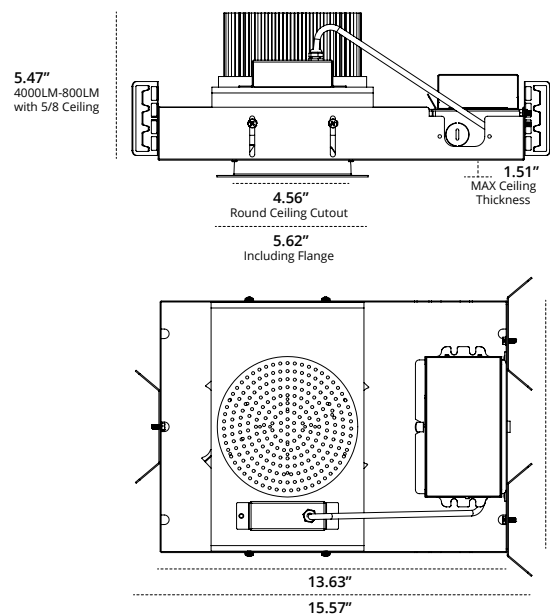
CRI	Multiplier	Kelvin	Multiplier	Reflector Finish	Multiplier
80	1	3000K	0.965	SCL	1
90	0.8	3500K	0.975	SGC	0.95
		4000K	1	WHT	0.87
		5000K	1.098		

Reflector Finishes / Lens Options



Dimensional Data

Medium Reflector - L401



EM17/EM20

