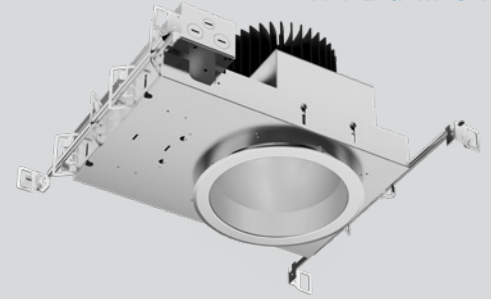


Part #	Prepared By
Project	Date
Type	

8" Round, F-Class HiLumen

Lensed, LED Downlight, 4000-12000 Lumens - HiLumen Shallow



Features & Construction

ELECTRICAL SYSTEM

- 4000 - 12000 lumens
- Efficient LED system up to 125 LPW Lumens Per Watt
- 3000K - 5000K CCT
- 80 CRI with 3 SDCM color consistency
- 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 or 20° Narrow 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 screw and keyslot features

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	Wattage	Medium Delivered Lumens	Lumens Per Watt	Narrow Delivered Lumens	Lumens Per Watt
4000	37.9	4628	122.11	4363	115.12
5000	46.7	5784	123.85	5453	116.77
6000	55.5	6941	125.06	6544	117.91
8000	73.8	9255	125.41	8725	118.22
10000	94.2	11569	122.81	10906	115.77
12000	112	13883	123.96	13088	116.86

All measured at 4000K with a standard medium & wide distribution

*Actual Wattage/Lumens may vary.

Ordering Information

EXAMPLE: A8VEFHLU-8040K-L8011-SGC-SDM

Series	Voltage	Lumens	Kelvin (CCT)	Reflector	Lens*	Reflector Finish	Dimming Options**	Additional Options***
A8VEFHL	U - 120V-277V 1 - 120V 2 - 277V 3 - 347V (347V Step Down Transformer)	40 - 4000 50 - 5000 60 - 6000 80 - 8000 100 - 10000 120 - 12000	30K - 3000K 35K - 3500K 40K - 4000K 50K - 5000K	L801 60° Medium Regressed Lens Reflector W801 20° Narrow Regressed Lens Reflector	1 1FR 1P 1FRP 4	SCL Specular Clear SGC Soft Glow Clear WHT White Matte	SDM (standard) ZDMHL TDMHL DMX DCA	HCR EM17 EM20 PF

*Must provide voltage when optional drivers are selected.

*All trims supplied standard with white painted flange.

*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

8" Round, F-Class HiLumen

Lensed, LED Downlight, 4000-12000 Lumens - HiLumen Shallow

F-CLASS
HiLumen

Photometry

L8011 - 60° Medium Distribution

Model
A8VEFHL-12040K-L8011-SCL

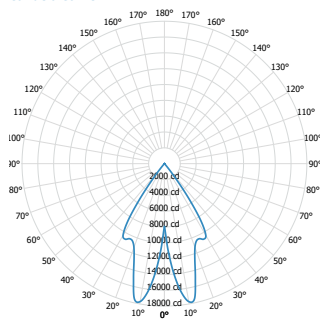
Lumens
13883

Watts
112

Efficacy
123.96

SC
1.34

Candela Curve



Cone of Light

Mounting Height AFF	FC at Center on Floor	Beam Diameter
8.0 ft	124 fc	10.1 ft
10.0 ft	79 fc	12.6 ft
12.0 ft	55 fc	15.1 ft
14.0 ft	41 fc	17.6 ft
16.0 ft	31 fc	20.1 ft
20.0 ft	20 fc	25.2 ft
24.0 ft	14 fc	30.2 ft
30.0 ft	9 fc	37.8 ft

Candela Table

	0.00°
0.00°	7944
5.00°	14062
10.00°	17703
15.00°	15101
20.00°	11276
30.00°	10455
40.00°	532
50.00°	41
60.00°	0
70.00°	0
80.00°	0
90.00°	0

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0° - 30°	10531	76%
0° - 40°	13753	99%
0° - 60°	13883	100%
60° - 90°	0	0%
0° - 20°	5603	40%
20° - 50°	8267	60%
50° - 70°	12	0%
70° - 90°	0	0%
0° - 90°	13883	100%
90° - 180°	0	0%
Total	13883	100%

Spacing Criterion

Height	Spacing	Light Level*
8 ft	10.7 ft	~ 124 fc
10 ft	13.4 ft	~ 79 fc
12 ft	16.1 ft	~ 55 fc
8 ft	8.0 ft	~ 221 fc
10 ft	10.1 ft	~ 141 fc
12 ft	12.1 ft	~ 98 fc
8 ft	5.4 ft	~ 497 fc
10 ft	6.7 ft	~ 318 fc
12 ft	8.0 ft	~ 221 fc

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

W8011 - 20° Narrow Distribution

Model
A8VEFHL-12040K-W8011-SCL

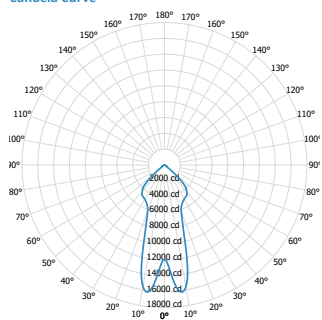
Lumens
13088

Watts
112

Efficacy
116.86

SC
0.66

Candela Curve



Cone of Light

Mounting Height AFF	FC at Center on Floor	Beam Diameter
8.0 ft	186 fc	4.8 ft
10.0 ft	119 fc	6.0 ft
12.0 ft	83 fc	7.3 ft
14.0 ft	61 fc	8.5 ft
16.0 ft	47 fc	9.7 ft
20.0 ft	30 fc	12.1 ft
24.0 ft	21 fc	14.5 ft
30.0 ft	13 fc	18.1 ft

Candela Table

	0.00°
0.00°	11928
5.00°	15075
10.00°	15598
15.00°	10045
20.00°	6196
30.00°	4981
40.00°	4360
50.00°	1524
60.00°	347
70.00°	170
80.00°	2
90.00°	0

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0° - 30°	6763	52%
0° - 40°	9744	74%
0° - 60°	12713	97%
60° - 90°	375	3%
0° - 20°	4278	33%
20° - 50°	7976	61%
50° - 70°	759	6%
70° - 90°	75	1%
0° - 90°	13088	100%
90° - 180°	0	0%
Total	13088	100%

Spacing Criterion

Height	Spacing	Light Level*
8 ft	5.3 ft	~ 186 fc
10 ft	6.6 ft	~ 119 fc
12 ft	7.9 ft	~ 83 fc
8 ft	4.0 ft	~ 331 fc
10 ft	5.0 ft	~ 212 fc
12 ft	5.9 ft	~ 147 fc
8 ft	2.6 ft	~ 746 fc
10 ft	3.3 ft	~ 477 fc
12 ft	4.0 ft	~ 331 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



8" Round, F-Class HiLumen

Lensed, LED Downlight, 4000-12000 Lumens - HiLumen Shallow

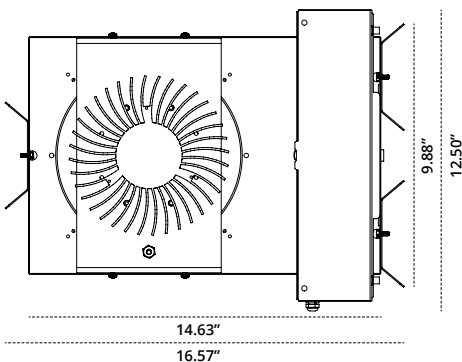
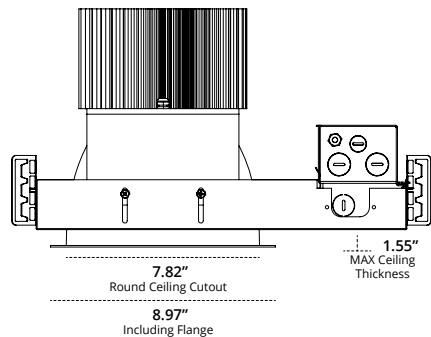
F-CLASS
HiLumen

Dimensional Data

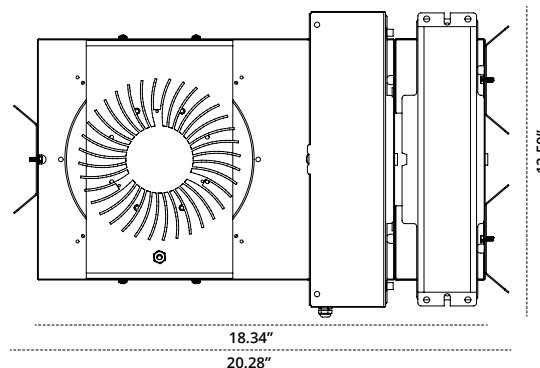
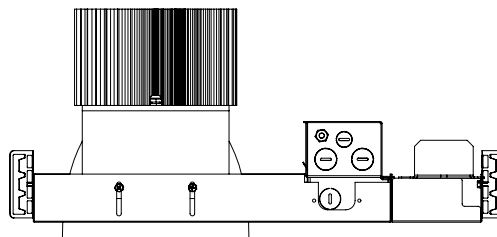
Medium Reflector - L801

6.90"
4000LM-12000LM
with 5/8" Ceiling

8.71"
15000LM
with 5/8" Ceiling



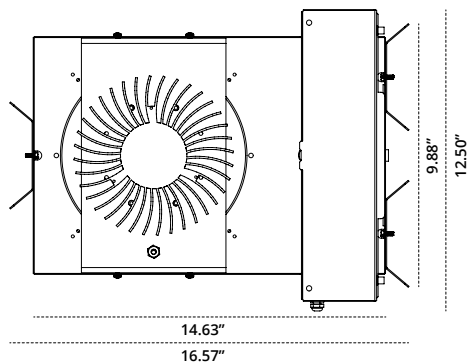
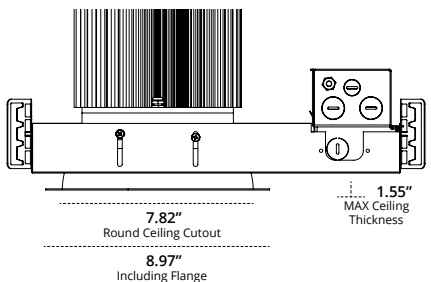
EM17/EM20



Narrow Reflector - W801

5.36"
4000LM-12000LM
with 5/8" Ceiling

6.54"
15000LM
with 5/8" Ceiling



EM17/EM20

