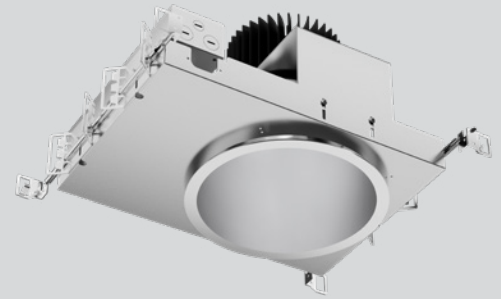


Part #	Prepared By
Project	Date
Type	

10" Round, F-Class HiLumen

Open, LED Downlight, 4000-20000 Lumens - HiLumen Shallow



Features & Construction

ELECTRICAL SYSTEM

- 4000 - 20000 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
- Reflectors available in Alzak® and painted finishes
- Distribution is free of streaks, striations and hotspots
- 70° Medium Distribution or 100° Wide Distribution
- 45° Cutoff

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	Wide Delivered Lumens	Lumens Per Watt
4000	34.9	4181	119.80	3883	111.26
5000	43	5226	121.53	4854	112.88
6000	51.2	6272	122.50	5825	113.77
8000	67.3	8362	124.25	7766	115.39
10000	85	10453	122.98	9708	114.21
12000	99.7	12543	125.81	11650	116.85
15000	129	14936	115.78	14562	112.88
17500	144	17425	121.01	16989	117.98
20000	170	19914	117.14	19416	114.21

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

*Actual Wattage/Lumens may vary.

Ordering Information

EXAMPLE: A10VOFHLU-8040K-L1060-SGC-SDM

Series	Voltage	Lumens	Kelvin (CCT)	Reflector	Reflector Finish	Dimming Options*	Additional Options**
A10VOFHL	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 100 - 10000 120 - 12000 150 - 15000 175 - 17500 200 - 20000	30K - 3000K 35K - 3500K 40K - 4000K 50K - 5000K	L1060 70° Medium Open Reflector W1060 100° Wide Open Reflector	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 EM117 EM20 EM120 PF

* 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 Luminares)
 EM117 - Battery Backup W/integral Test Button & Indicator Light (for up to 5000 Lumen Luminares)
 EM20 - Battery Backup W/remote Test Button & Indicator Light (for Greater Than 5000 Lumen Luminares)
 EM120 - Battery Backup W/integral Test Button & Indicator Light (for Greater Than 5000 Lumen Luminares)
 PF - Polished Flange

Reflector Finishes



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F-CLASS
HiLumen

Photometry

L1060 - 70° Medium Distribution

Model
A10VOFHL-20040K-L1060-SCL

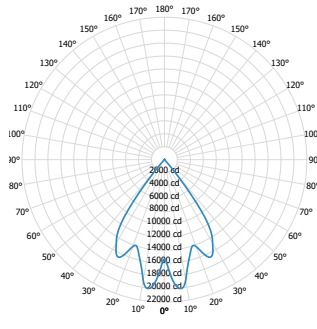
Lumens
19914

Watts
170

Efficacy
117.14

SC
1.3

Candela Curve



Cone of Light

Mounting Height AFF	FC at Center on Floor	Beam Diameter
8.0 ft	240 fc	11.4 ft
10.0 ft	154 fc	14.3 ft
12.0 ft	107 fc	17.1 ft
14.0 ft	78 fc	20.0 ft
16.0 ft	60 fc	22.8 ft
20.0 ft	38 fc	28.6 ft
24.0 ft	27 fc	34.3 ft
30.0 ft	17 fc	42.8 ft

Candela Table

	0.00°
0.00°	15358
5.00°	19417
10.00°	18896
15.00°	15215
20.00°	14282
30.00°	14880
40.00°	2191
50.00°	89
60.00°	47
70.00°	23
80.00°	9
90.00°	0

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0° - 30°	13518	68%
0° - 40°	19522	98%
0° - 60°	19860	100%
60° - 90°	54	0%
0° - 20°	6188	31%
20° - 50°	13614	68%
50° - 70°	92	0%
70° - 90°	20	0%
0° - 90°	19914	100%
90° - 180°	0	0%
Total	19914	100%

Spacing Criterion

Height	Spacing	Light Level*
8 ft	10.4 ft	~ 240 fc
10 ft	13.0 ft	~ 154 fc
12 ft	15.6 ft	~ 107 fc
8 ft	7.8 ft	~ 427 fc
10 ft	9.8 ft	~ 273 fc
12 ft	11.7 ft	~ 190 fc
8 ft	5.2 ft	~ 960 fc
10 ft	6.5 ft	~ 614 fc
12 ft	7.8 ft	~ 427 fc

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

W1060 - 100° Wide Distribution

Model
A10VOFHL-20040K-W1060-SCL

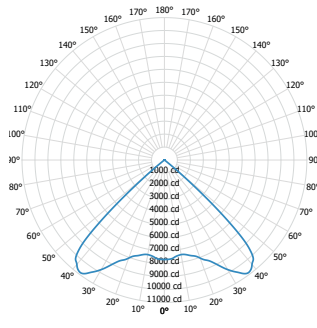
Lumens
19416

Watts
170

Efficacy
114.21

SC
1.87

Candela Curve



Cone of Light

Mounting Height AFF	FC at Center on Floor	Beam Diameter
8.0 ft	120 fc	17.2 ft
10.0 ft	77 fc	21.5 ft
12.0 ft	53 fc	25.8 ft
14.0 ft	39 fc	30.2 ft
16.0 ft	30 fc	34.5 ft
20.0 ft	19 fc	43.1 ft
24.0 ft	13 fc	51.7 ft
30.0 ft	9 fc	64.6 ft

Candela Table

	0.00°
0.00°	7682
5.00°	7608
10.00°	7418
15.00°	7631
20.00°	8059
30.00°	9774
40.00°	10525
50.00°	1502
60.00°	30
70.00°	15
80.00°	6
90.00°	0

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0° - 30°	6990	36%
0° - 40°	13602	70%
0° - 60°	19383	100%
60° - 90°	33	0%
0° - 20°	2896	15%
20° - 50°	16308	84%
50° - 70°	200	1%
70° - 90°	13	0%
0° - 90°	19416	100%
90° - 180°	0	0%
Total	19416	100%

Spacing Criterion

Height	Spacing	Light Level*
8 ft	15.0 ft	~ 120 fc
10 ft	18.7 ft	~ 77 fc
12 ft	22.4 ft	~ 53 fc
8 ft	11.2 ft	~ 213 fc
10 ft	14.0 ft	~ 137 fc
12 ft	16.8 ft	~ 95 fc
8 ft	7.5 ft	~ 480 fc
10 ft	9.4 ft	~ 307 fc
12 ft	11.2 ft	~ 213 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		

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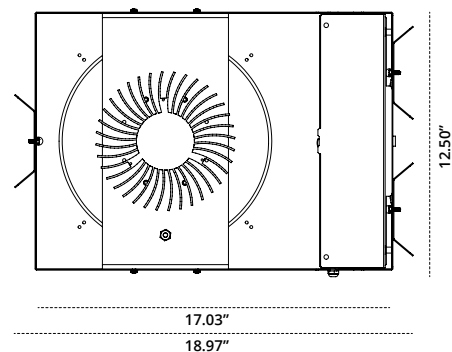
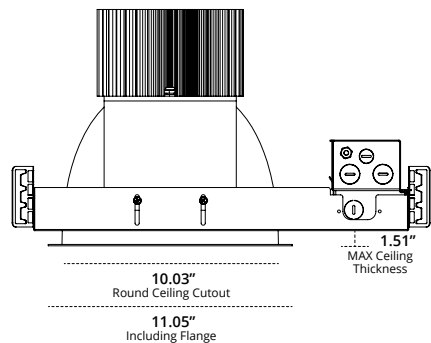
F-CLASS
HiLumen

Dimensional Data

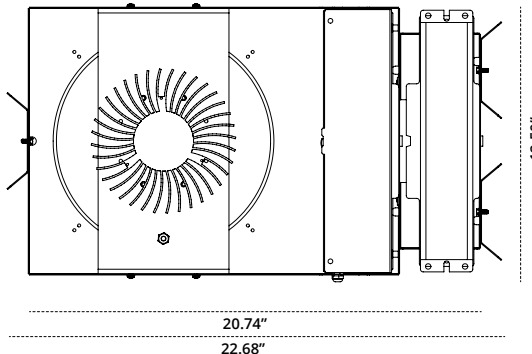
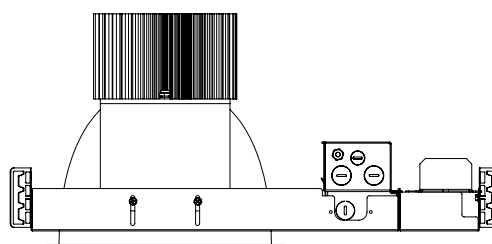
Medium Reflector - L1060

10.04"
17500LM-20000LM
with 5/8 Ceiling

8.23"
4000LM-12000LM
with 5/8 Ceiling



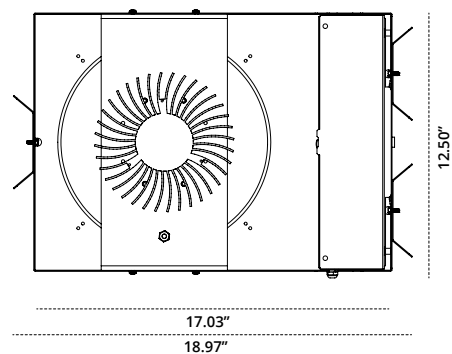
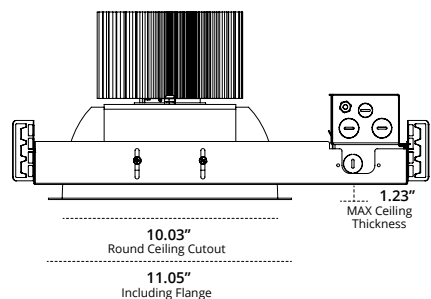
EM17/EM20



Wide Reflector - W1060

7.86"
17500LM-20000LM
with 5/8 Ceiling

6.05"
4000LM-12000LM
with 5/8 Ceiling



EM17/EM20

