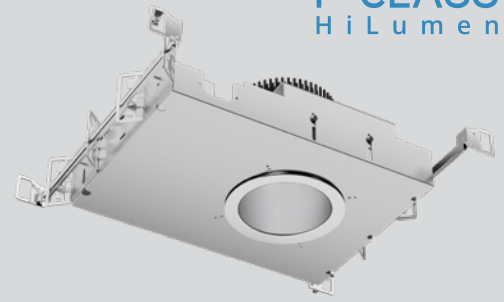


Part #	Prepared By
Project	Date
Type	

4" Round, F-Class HiLumen

Open, LED Downlight, 4000-10000 Lumens - HiLumen Shallow



Features & Construction

ELECTRICAL SYSTEM

- 4000 - 10000 lumens
- Efficient LED system up to 136 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
- Reflectors available in Alzak® and painted finishes
- Distribution is free of streaks, striations and hotspots
- 60° Medium Distribution or 80° 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 high quality friction 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	Wattage	Medium Delivered Lumens	Lumens Per Watt	Wide Delivered Lumens	Lumens Per Watt
4000	34.2	3832	112.05	3869	113.13
5000	42.3	4790	113.24	4836	114.33
6000	50.4	5748	114.05	5804	115.16
8000	64.9	7664	118.09	7738	119.23
10000	77	9934	129.01	10475	136.04

All measured at 4000K with a standard medium & wide distribution
*Actual Wattage/Lumens may vary.

Ordering Information

EXAMPLE: A4VOFHLU-8040K-L4060-SGC-SDM

Series	Voltage	Lumens	Kelvin (CCT)	Reflector	Reflector Finish	Dimming Options*	Additional Options**
A4VOFHL	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	30K - 3000K 35K - 3500K 40K - 4000K 50K - 5000K	L4060 60° Medium Open Reflector W4060 80° 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 EMI17 EMI17 EMI20 EMI20 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.
EMI17 - Battery Backup W/remote Test Button & Indicator Light (for up to 5000 Lumen Luminares)
EMI17 - Battery Backup W/Integral Test Button & Indicator Light (for up to 5000 Lumen Luminares)
EMI20 - Battery Backup W/remote Test Button & Indicator Light (for Greater Than 5000 Lumen Luminares)
EMI20 - Battery Backup W/Integral Test Button & Indicator Light (for Greater Than 5000 Lumen Luminares)
PF - Polished Flange

Reflector Finishes



4" Round, F-Class HiLumen

Open, LED Downlight, 4000-10000 Lumens - HiLumen Shallow

F-CLASS
HiLumen

Photometry

L4060 - 60° Medium Distribution

Model
A4VOFHL-10040K-W4060-SCL

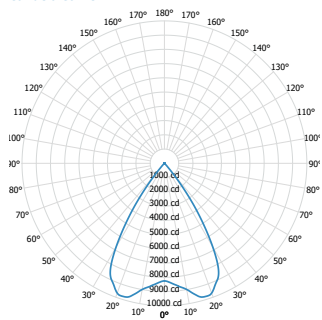
Lumens
9934

Watts
77

Efficacy
129.01

SC
1.18

Candela Curve



Cone of Light

Mounting Height AFF	FC at Center on Floor	Beam Diameter
8.0 ft	129 fc	10.4 ft
10.0 ft	83 fc	13.0 ft
12.0 ft	57 fc	15.6 ft
14.0 ft	42 fc	18.1 ft
16.0 ft	32 fc	20.7 ft
20.0 ft	21 fc	25.9 ft
24.0 ft	14 fc	31.1 ft
30.0 ft	9 fc	38.9 ft

Candela Table

	0.00°
0.00°	8260
5.00°	8554
10.00°	8993
15.00°	9706
20.00°	9693
30.00°	6793
40.00°	821
50.00°	53
60.00°	17
70.00°	8
80.00°	2
90.00°	0

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0° - 30°	7527	76%
0° - 40°	9741	98%
0° - 60°	9917	100%
60° - 90°	18	0%
0° - 20°	3554	36%
20° - 50°	6339	64%
50° - 70°	36	0%
70° - 90°	6	0%
0° - 90°	9934	100%
90° - 180°	0	0%
Total	9934	100%

Spacing Criterion

Height	Spacing	Light Level*
8 ft	9.4 ft	~ 129 fc
10 ft	11.8 ft	~ 83 fc
12 ft	14.2 ft	~ 57 fc
8 ft	7.1 ft	~ 229 fc
10 ft	8.8 ft	~ 147 fc
12 ft	10.6 ft	~ 102 fc
8 ft	4.7 ft	~ 516 fc
10 ft	5.9 ft	~ 330 fc
12 ft	7.1 ft	~ 229 fc

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

W4060 - 80° Wide Distribution

Model
A4VOFHL-10040K-L4060-SCL

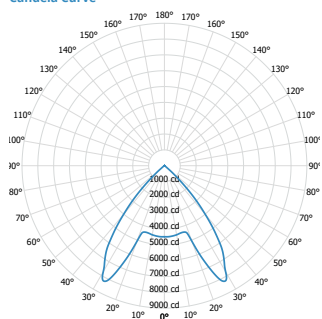
Lumens
10475

Watts
77

Efficacy
136.04

SC
1.59

Candela Curve



Cone of Light

Mounting Height AFF	FC at Center on Floor	Beam Diameter
8.0 ft	70 fc	13.3 ft
10.0 ft	45 fc	16.7 ft
12.0 ft	31 fc	20.0 ft
14.0 ft	23 fc	23.3 ft
16.0 ft	18 fc	26.6 ft
20.0 ft	11 fc	33.3 ft
24.0 ft	8 fc	40.0 ft
30.0 ft	5 fc	50.0 ft

Candela Table

	0.00°
0.00°	4493
5.00°	4486
10.00°	4435
15.00°	4365
20.00°	5101
30.00°	7728
40.00°	4013
50.00°	373
60.00°	40
70.00°	19
80.00°	7
90.00°	0

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0° - 30°	5088	49%
0° - 40°	8856	85%
0° - 60°	10432	100%
60° - 90°	44	0%
0° - 20°	1692	16%
20° - 50°	8643	83%
50° - 70°	125	1%
70° - 90°	15	0%
0° - 90°	10475	100%
90° - 180°	0	0%
Total	10475	100%

Spacing Criterion

Height	Spacing	Light Level*
8 ft	12.7 ft	~ 70 fc
10 ft	15.9 ft	~ 45 fc
12 ft	19.1 ft	~ 31 fc
8 ft	9.5 ft	~ 125 fc
10 ft	11.9 ft	~ 80 fc
12 ft	14.3 ft	~ 55 fc
8 ft	6.4 ft	~ 281 fc
10 ft	8.0 ft	~ 180 fc
12 ft	9.5 ft	~ 125 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		

4" Round, F-Class HiLumen

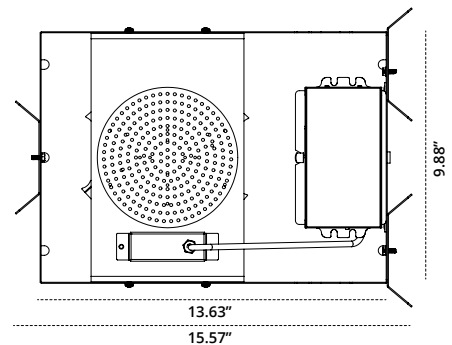
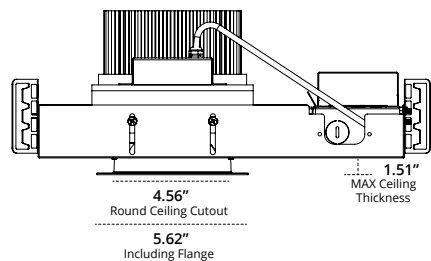
Open, LED Downlight, 4000-10000 Lumens - HiLumen Shallow

F-CLASS
HiLumen

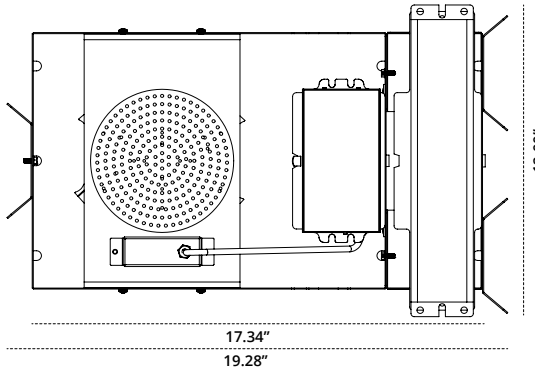
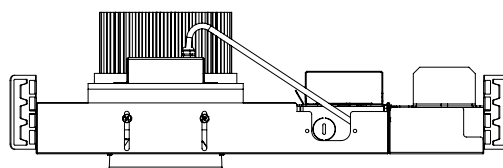
Dimensional Data

Medium Reflector - L4060

5.47"
4000LM-1000LM
with 5/8" Ceiling

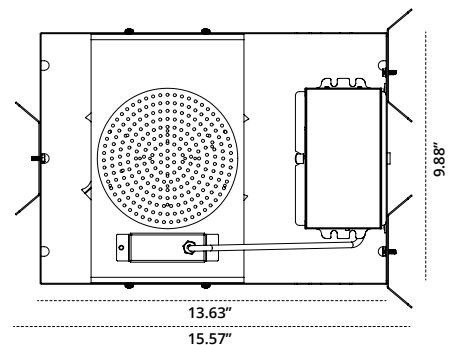
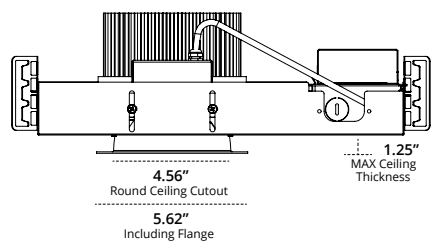


EM17/EM20



Wide Reflector - W4060

4.53"
4000LM-1000LM
with 5/8" Ceiling



EM17/EM20

