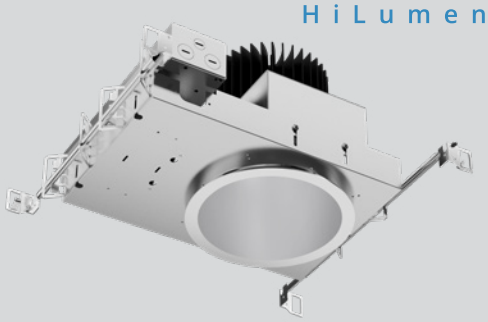
VANTAGE LIGHTING

F-CLASS HiLumen

Part #	Prepared By
Project	Date
Type	



8" Round, F-Class HiLumen

Open, LED Wall Wash, 4000-15000 Lumens - HiLumen Shallow

Features & Construction

ELECTRICAL SYSTEM

- 4000 - 15000 lumens
- Efficient LED system up to 120 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 integrated 'kicker plate'
- Reflectors available in Alzak® and painted finishes
- Distribution is free of streaks, striations and hotspots
- Medium Wall Wash 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 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
- 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 peformed 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
4000	3632	32.5	111.75
5000	4540	39.9	113.78
6000	5447	46.7	116.64
8000	7263	62.1	116.96
10000	9079	79.2	114.63
12000	10895	90.7	120.12
15000	13619	115	118.43

All measured at 4000K with a standard wall wash distribution
*Actual Wattage/Lumens may vary.

Ordering Information

EXAMPLE: A8VOFHLWWU-8040K-L8061-SGC-SDM

A8VOFHLWW		-		-		-	L8160	-		-		-	

Series	Voltage	Lumens	Kelvin (CCT)	Reflector	Reflector Finish	Dimming Options*	Additional Options**
A8VOFHLWW	**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	**30K** - 3000K **35K** - 3500K **40K** - 4000K **50K** - 5000K	**L8160** Open Wall Wash 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** **EMI17** **EM20** **EMI20** **PF**

*** Dimming Options Notes**

SDM - 0-10V 10% dimming driver. (standard)
ZDMHL - 0-10V 1% dimming driver (up to 10000 Lumens)
TDMHL - Triac (Foward 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)

**** Additonal Options Notes**

HCR - High CRI, 90+ minimum.
EM17 - Battery Backup W/remote Test Button & Indicator Light (for 800-5000 Lumen Luminaires)
EMI17 - Battery Backup W/integral 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)
PF - Polished Flange

Reflector Finishes



SCL
Specular Clear



SGC
Soft Glow Clear



WHT
White Matte

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8” Round, F-Class HiLumen

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F-CLASS HiLumen

Photometry

L8061 - Wall Wash Distribution

Model
A8VOFHLWW-15040K-L8160-SCL

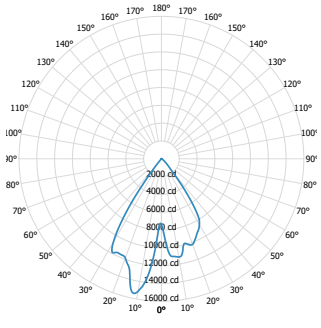
Lumens
13619

Watts
115

Efficacy
118.43

SC
1.35

Candela Curve



Cone of Light

Mounting Height AFF	FC at Center on Floor	Beam Diameter
8.0 ft	115 fc	10.4 ft
10.0 ft	74 fc	13.0 ft
12.0 ft	51 fc	15.6 ft
14.0 ft	38 fc	18.2 ft
16.0 ft	29 fc	20.8 ft
20.0 ft	18 fc	26.0 ft
24.0 ft	13 fc	31.2 ft
30.0 ft	8 fc	39.0 ft

Candela Table

	0.00°
0.00°	7389
5.00°	10809
10.00°	11201
15.00°	9879
20.00°	10236
30.00°	8522
40.00°	2000
50.00°	485
60.00°	140
70.00°	44
80.00°	12
90.00°	0

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0° - 30°	9783	72%
0° - 40°	13208	97%
0° - 60°	13564	100%
60° - 90°	55	0%
0° - 20°	4725	35%
20° - 50°	8748	64%
50° - 70°	128	1%
70° - 90°	17	0%
0° - 90°	13619	100%
90° - 180°	0	0%
Total	13619	100%

Spacing Criterion

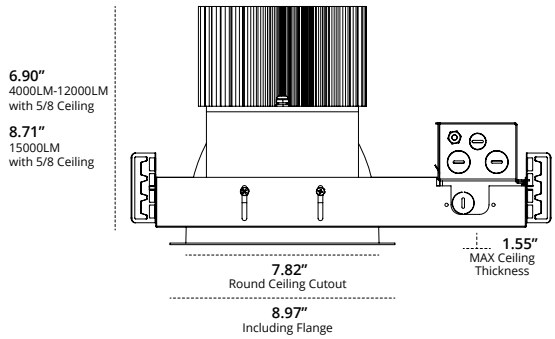
Height	Spacing	Light Level*
8 ft	10.8 ft	~ 115 fc
10 ft	13.5 ft	~ 74 fc
12 ft	16.2 ft	~ 51 fc
8 ft	8.1 ft	~ 205 fc
10 ft	10.1 ft	~ 131 fc
12 ft	12.2 ft	~ 91 fc
8 ft	5.4 ft	~ 462 fc
10 ft	6.8 ft	~ 296 fc
12 ft	8.1 ft	~ 205 fc

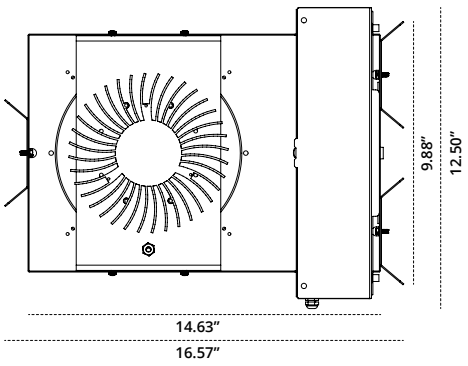
* approximate direct light level at floor based on spacing criterion overlap

MULTIPLIER

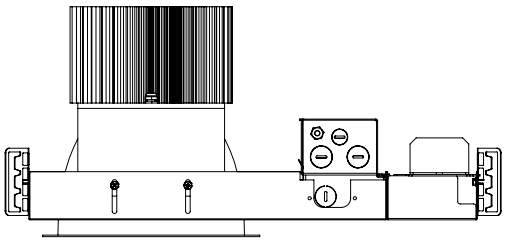
CRI	Multiplier	Kelvin	Multiplier	Reflector Finish	Multiplier
80	1	3000K	0.965	SCL	1
90	0.8	3500K	0.975	SGC	0.95
		4000K	1	WHT	0.87
		5000K	1.098		

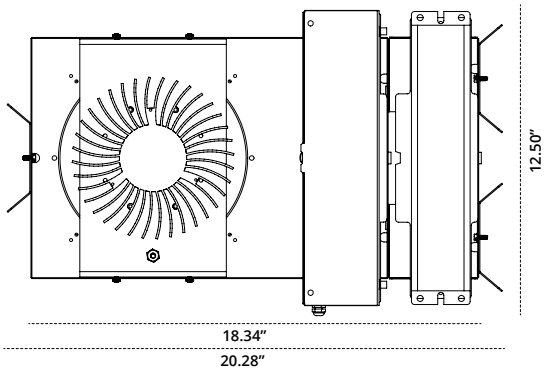
Dimensional Data





EM17/EM20







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