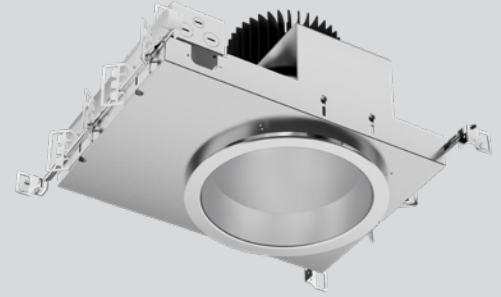


Part #	Prepared By
Project	Date
Type	

10" Round, F-Class HiLumen

Lensed, LED Downlight, 4000-17500 Lumens - HiLumen Shallow



Features & Construction

ELECTRICAL SYSTEM

- 4000 - 17500 lumens
- Efficient LED system up to 108 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
- 15° Spot Distribution or 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 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	Spot Delivered Lumens	Lumens Per Watt	Medium Delivered Lumens	Lumens Per Watt
4000	41	4203	102.51	3764	91.80
5000	50.4	5253	104.23	4706	93.37
6000	60	6304	105.07	5647	94.12
8000	79.2	8405	106.12	7529	95.06
10000	97.6	10506	107.64	9411	96.42
12000	120	12608	105.07	11293	94.11
15000	155	15760	101.68	14117	91.08
17500	170	18386	108.15	16470	96.88

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

*Actual Wattage/Lumens may vary.

Ordering Information

EXAMPLE: A10VEFHLU-8040K-L1011-SGC-SDM

A10VEFHL		-		-		-		-	
Series	Voltage	Lumens	Kelvin (CCT)	Reflector	Lens*	Reflector Finish	Dimming Options**	Additional Options***	
A10VEFHL	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	30K - 3000K 35K - 3500K 40K - 4000K 50K - 5000K	L101 15° Spot Regressed Lens Reflector W101 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

10" Round, F-Class HiLumen

Lensed, LED Downlight, 4000-17500 Lumens - HiLumen Shallow

F-CLASS
HiLumen

Photometry

L1011 - 15° Spot Distribution

Model
A10VEFHL-17040K-L1011-SCL

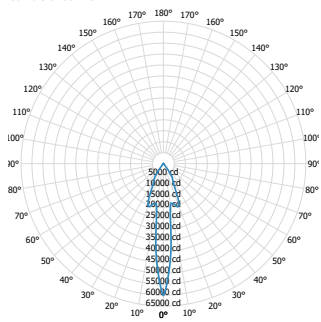
Lumens
18386

Watts
170

Efficacy
108.15

SC
0.22

Candela Curve



Cone of Light

Mounting Height AFF	FC at Center on Floor	Beam Diameter
8.0 ft	940 fc	1.8 ft
10.0 ft	602 fc	2.3 ft
12.0 ft	418 fc	2.7 ft
14.0 ft	307 fc	3.2 ft
16.0 ft	235 fc	3.7 ft
20.0 ft	150 fc	4.6 ft
24.0 ft	104 fc	5.5 ft
30.0 ft	67 fc	6.9 ft

Candela Table

	0.00°
0.00°	60157
5.00°	39316
10.00°	18798
15.00°	19093
20.00°	20389
30.00°	8442
40.00°	787
50.00°	416
60.00°	289
70.00°	102
80.00°	0
90.00°	0

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0° - 30°	14592	79%
0° - 40°	17426	95%
0° - 60°	18147	99%
60° - 90°	239	1%
0° - 20°	8511	46%
20° - 50°	9316	51%
50° - 70°	526	3%
70° - 90°	34	0%
0° - 90°	18386	100%
90° - 180°	0	0%
Total	18386	100%

Spacing Criterion

Height	Spacing	Light Level*
8 ft	1.8 ft	~ 940 fc
10 ft	2.2 ft	~ 602 fc
12 ft	2.6 ft	~ 418 fc
8 ft	1.3 ft	~ 1671 fc
10 ft	1.7 ft	~ 1069 fc
12 ft	2.0 ft	~ 743 fc
8 ft	0.9 ft	~ 3760 fc
10 ft	1.1 ft	~ 2406 fc
12 ft	1.3 ft	~ 1671 fc

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

W1011 - 60° Medium Distribution

Model
A10VEFHL-17040K-W1011-SCL

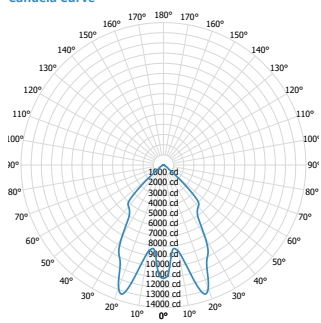
Lumens
16470

Watts
170

Efficacy
96.88

SC
1.13

Candela Curve



Cone of Light

Mounting Height AFF	FC at Center on Floor	Beam Diameter
8.0 ft	174 fc	10.2 ft
10.0 ft	111 fc	12.7 ft
12.0 ft	77 fc	15.2 ft
14.0 ft	57 fc	17.8 ft
16.0 ft	43 fc	20.3 ft
20.0 ft	28 fc	25.4 ft
24.0 ft	19 fc	30.5 ft
30.0 ft	12 fc	38.1 ft

Candela Table

	0.00°
0.00°	11129
5.00°	8899
10.00°	8653
15.00°	11844
20.00°	12879
30.00°	8153
40.00°	5332
50.00°	1213
60.00°	303
70.00°	97
80.00°	2
90.00°	0

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0° - 30°	8918	54%
0° - 40°	12740	77%
0° - 60°	16208	98%
60° - 90°	262	2%
0° - 20°	4181	25%
20° - 50°	11526	70%
50° - 70°	682	4%
70° - 90°	80	0%
0° - 90°	16470	100%
90° - 180°	0	0%
Total	16470	100%

Spacing Criterion

Height	Spacing	Light Level*
8 ft	9.0 ft	~ 174 fc
10 ft	11.3 ft	~ 111 fc
12 ft	13.6 ft	~ 77 fc
8 ft	6.8 ft	~ 309 fc
10 ft	8.5 ft	~ 198 fc
12 ft	10.2 ft	~ 137 fc
8 ft	4.5 ft	~ 696 fc
10 ft	5.6 ft	~ 445 fc
12 ft	6.8 ft	~ 309 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



10" Round, F-Class HiLumen

Lensed, LED Downlight, 4000-17500 Lumens - HiLumen Shallow

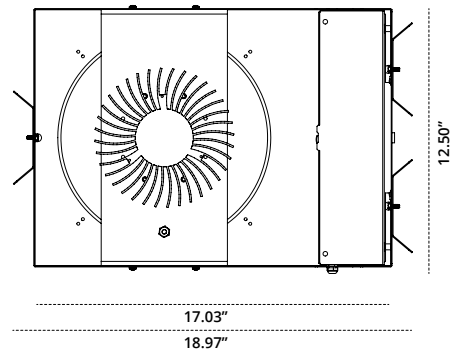
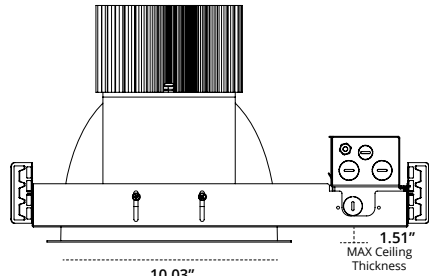
F-CLASS
HiLumen

Dimensional Data

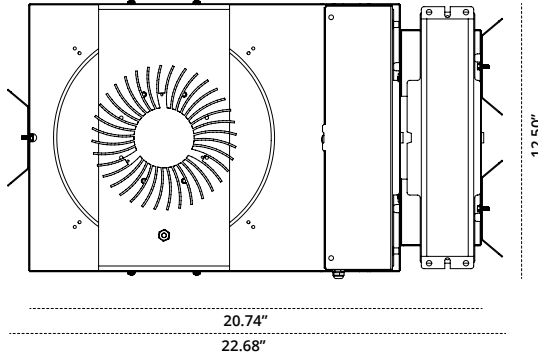
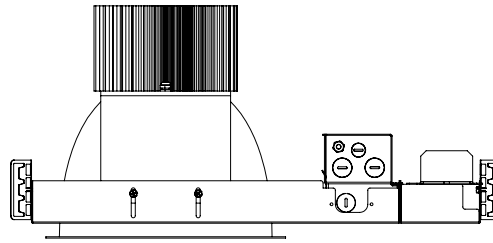
Spot Reflector - L101

10.04"
17500LM
with 5/8 Ceiling

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



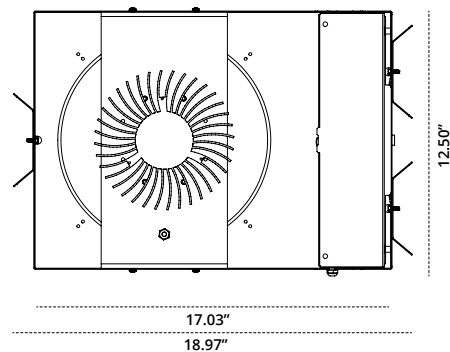
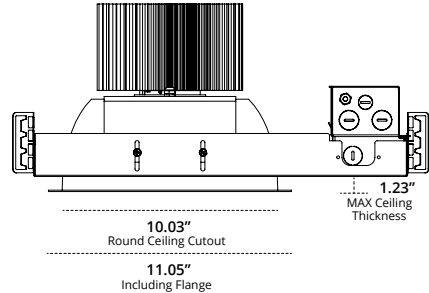
EM17/EM20



Medium Reflector - W101

7.86"
17500 LM
with 5/8 Ceiling

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



EM17/EM20

