

Part #	Prepared By
Project	Date
Type	

12" Luxify™ Performance High Bay

5000-15000 Lumens



Features & Specifications

ELECTRICAL SYSTEM

- High-Output energy efficient LED light engine, up to 133 LPW
- 5000 - 15000 lumens
- 3000K - 5000K CCT
- 80 CRI with 3 SDCM color consistency (+90 CRI optional)
- Standard 0-10V 10% dimming driver, SDM; optional drivers available
- 120V - 277V Universal Input Volts
- Minimum 50,000 hour lifetime at L70
- -20°C to 30°C Ambient Operating Temperature Range

SHADE & ACCESSORIES

- Aluminum Shade with high reflective white painted inner shade
- Durable Polycarbonate shade, shatter resistant
- Flat bottom lens for added protection, for use with Polycarbonate shade
- Conical bottom lens produces a wide beam spread, for use with Polycarbonate shade
- Offering 80° and 65° distribution options depending on shade and accessory chosen

HOUSING & MOUNTING

- Housing is constructed of 0.040" thick aluminum and coated with a polyester powder coat for protection, durability and aesthetics
- Slotted design for superior thermal management.
- 3 mounting styles include Pendant Mount, Cord & Cable Mount and Hook Mount to support a variety of project requirements.
- Pendant Mount system utilizes a 3/8 IPS stem with a standard swivel canopy to accommodate up to a 45° ceiling.

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 COB 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

Lumens*

Nominal Lumens	Wattage	AGV Delivered Lumens	LPW	LGV Delivered Lumens	LPW	LGV + BL Delivered Lumens	LPW	LGV + CL Delivered Lumens	LPW
5000	41.7	4870	116.79	5303	127.17	4605	110.43	4619	110.77
6000	47.8	5844	122.26	6363	133.12	5526	115.61	5543	115.96
8000	62.9	7914	125.82	7613	121.03	7368	117.14	7391	117.5
10000	85.2	9295	109.1	9517	111.7	9210	108.1	9238	108.43
12000	94.2	10310	109.45	10928	116.01	11052	117.32	11086	117.69
15000	112	12887	115.06	13660	121.96	13816	123.36	13858	123.73

All measured at 4000K with either a White Painted Aluminum, Clear Polycarbonate Shade, Flat Bottom Lens or a Conical Lens. *Actual Wattage/Lumens may vary.

Ordering Information

EXAMPLE: AVGBLED12-10040K-WHT-WHT-P-12-SDM-HCR

Shade Options	Series	Lumens	Kelvin (CCT)	Housing Finish	Shade Finish	Mounting Options	Driver Options*	Additional Options**
AGV Aluminum Shade	BLED12	50 - 5000 60 - 6000 80 - 8000 100 - 10000 120 - 12000 150 - 15000	30K - 3000K 35K - 3500K 40K - 4000K 50K - 5000K	WHT White Matte BLK Black Matte BZ Bronze CS Silver CC Custom RAL Color	(Aluminum Shade Only) WHT White Matte BLK Black Matte BZ Bronze CS Silver CC Custom RAL Color	P-"xx" CH34TK CCK-72"-Color CCK-120"-Color CCK-180"-Color CCK-240"-Color	SDM (standard) ZDMHL DTDHL TDMHL	DCA HC HCP SC BL-12 CL-12 HCR REM REMHL
LGV Polycarbonate Shade								

*Driver Options Notes

SDM - 0-10V 10% dimming driver (standard)
ZDMHL - 0-10V 1% dimming driver (up to 8000 lumens)
DTDHL - 0-10V 0.1% dimming driver. (up to 8000 lumens)
TDMHL - Triac (Forward Phase, 120V only) dimming driver. (up to 12000 lumens)
DMX - DMX with RDM dimming driver, requires DCA (up to 10000 lumens)

**Additional Options Notes

DCA - Daisy Chain Adaptor
HC - Die-cast Hook, 18/3 Cord
HCP - Die-cast Hook, 18/3 Cord & NEMA Twist Lock Plug
SC - Safety Cable (not available with HC or HCP)
BL-12 - Flat, Clear Bottom Lens (only for use with LGV shade)
CL-12 - Conical Lens (only for use with LGV shade)
HCR - High Color Rendering - 90 CRI (15000 Lumens and Below)
REM - Remote Battery Backup W/remote Test Button and Indicator Light (not available With HC or HCP) (for up to 5000 Lumen)
REMHL - Remote Battery Backup W/remote Test Button and Indicator Light (not available with HC or HCP) (for above 5000 Lumen)

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5000-15000 Lumens

Shade & Additional Options



POLYCARBONATE
LGVLED12
Clear



FLAT CLEAR LENS
BL-12
For Use With Polycarbonate shade only



ALUMINUM
AGVLED12
Available Finishes
WHT, BLK, BZ, CS, CC



CONICAL LENS
CL-12
For Use With Polycarbonate shade only



DIE CAST HOOK
HC, HCP

Housing / Aluminum Shade Finishes



WHT
White Matte



CS
Silver



BLK
Black Matte



BZ
Bronze



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5000-15000 Lumens



Photometry

AGV- Aluminum Shade 80°

Model
AGVBLED12-10040K-WHT-SDM

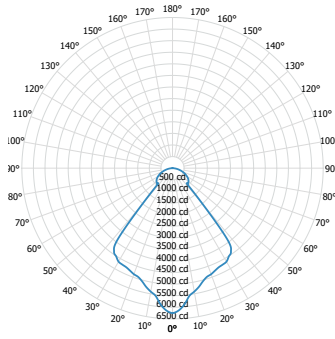
Lumens
9295

Watts
85.2

Efficacy
109.10

SC
1.1

Candela Curve



Cone of Light

Mounting Height AFF	FC at Center on Floor	Beam Diameter
8.0 ft	98 fc	12.7 ft
10.0 ft	63 fc	15.9 ft
12.0 ft	43 fc	19.1 ft
14.0 ft	32 fc	22.3 ft
16.0 ft	24 fc	25.5 ft
20.0 ft	16 fc	31.9 ft
24.0 ft	11 fc	38.2 ft
30.0 ft	7 fc	47.8 ft

Candela Table

	0.00°
0.00°	6257
5.00°	5900
10.00°	5408
15.00°	5057
20.00°	4869
30.00°	4656
40.00°	2029
50.00°	901
60.00°	727
70.00°	472
80.00°	208
90.00°	0

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0° - 30°	4174	45%
0° - 40°	6682	72%
0° - 60°	8243	89%
60° - 90°	1053	11%
0° - 20°	1984	21%
20° - 50°	5522	59%
50° - 70°	1332	14%
70° - 90°	457	5%
0° - 90°	9295	100%
90° - 180°	0	0%
Total	9295	100%

Spacing Criterion

Height	Spacing	Light Level*
8 ft	8.8 ft	~ 98 fc
10 ft	11.0 ft	~ 63 fc
12 ft	13.2 ft	~ 43 fc
8 ft	6.6 ft	~ 174 fc
10 ft	8.3 ft	~ 111 fc
12 ft	9.9 ft	~ 77 fc
8 ft	4.4 ft	~ 391 fc
10 ft	5.5 ft	~ 250 fc
12 ft	6.6 ft	~ 174 fc

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

LGV - Polycarbonate Shade 65°

Model
LGVLED12-10040K-SDM

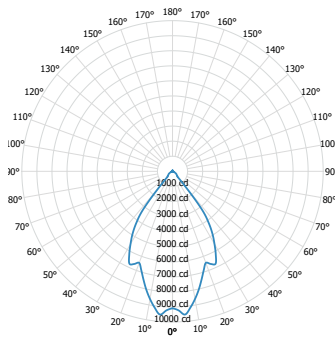
Lumens
9517

Watts
85.2

Efficacy
111.70

SC
1

Candela Curve



Cone of Light

Mounting Height AFF	FC at Center on Floor	Beam Diameter
8.0 ft	142 fc	10.4 ft
10.0 ft	91 fc	13.0 ft
12.0 ft	63 fc	15.6 ft
14.0 ft	46 fc	18.2 ft
16.0 ft	36 fc	20.9 ft
20.0 ft	23 fc	26.1 ft
24.0 ft	16 fc	31.3 ft
30.0 ft	10 fc	39.1 ft

Candela Table

	0.00°
0.00°	9091
5.00°	9540
10.00°	8603
15.00°	7442
20.00°	6467
30.00°	5573
40.00°	1404
50.00°	363
60.00°	216
70.00°	90
80.00°	52
90.00°	38

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0° - 30°	5918	62%
0° - 40°	8355	88%
0° - 60°	9051	95%
60° - 90°	263	3%
0° - 20°	2964	31%
20° - 50°	5821	61%
50° - 70°	407	4%
70° - 90°	122	1%
0° - 90°	9314	98%
90° - 180°	203	2%
Total	9517	100%

Spacing Criterion

Height	Spacing	Light Level*
8 ft	8.0 ft	~ 142 fc
10 ft	10.0 ft	~ 91 fc
12 ft	12.0 ft	~ 63 fc
8 ft	6.0 ft	~ 253 fc
10 ft	7.5 ft	~ 162 fc
12 ft	9.0 ft	~ 112 fc
8 ft	4.0 ft	~ 568 fc
10 ft	5.0 ft	~ 364 fc
12 ft	6.0 ft	~ 253 fc

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

LGV-CL - Polycarbonate Shade - Flat Bottom Lens 65°

Model
LGVLED12-10040K-SDM-BL

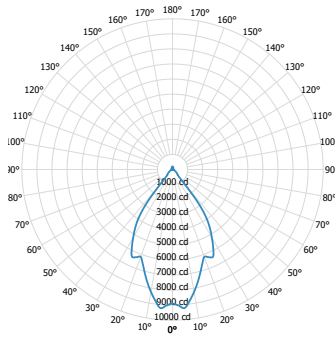
Lumens
9210

Watts
85.2

Efficacy
108.10

SC
0.98

Candela Curve



Cone of Light

Mounting Height AFF	FC at Center on Floor	Beam Diameter
8.0 ft	139 fc	10.2 ft
10.0 ft	89 fc	12.7 ft
12.0 ft	62 fc	15.3 ft
14.0 ft	45 fc	17.8 ft
16.0 ft	35 fc	20.4 ft
20.0 ft	22 fc	25.5 ft
24.0 ft	15 fc	30.6 ft
30.0 ft	10 fc	38.2 ft

Candela Table

	0.00°
0.00°	8893
5.00°	9230
10.00°	8245
15.00°	7111
20.00°	6171
30.00°	5223
40.00°	1086
50.00°	379
60.00°	205
70.00°	86
80.00°	51
90.00°	45

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0° - 30°	5626	61%
0° - 40°	7845	85%
0° - 60°	8519	92%
60° - 90°	256	3%
0° - 20°	2840	31%
20° - 50°	5424	59%
50° - 70°	391	4%
70° - 90°	120	1%
0° - 90°	8774	95%
90° - 180°	436	5%
Total	9210	100%

Spacing Criterion

Height	Spacing	Light Level*
8 ft	7.8 ft	~ 139 fc
10 ft	9.8 ft	~ 89 fc
12 ft	11.8 ft	~ 62 fc
8 ft	5.9 ft	~ 247 fc
10 ft	7.4 ft	~ 158 fc
12 ft	8.8 ft	~ 110 fc
8 ft	3.9 ft	~ 556 fc
10 ft	4.9 ft	~ 356 fc
12 ft	5.9 ft	~ 247 fc

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

LGV-CL - Polycarbonate Shade - Conical Lens 80°

Model
LGVLED12-10040K-SDM-CL

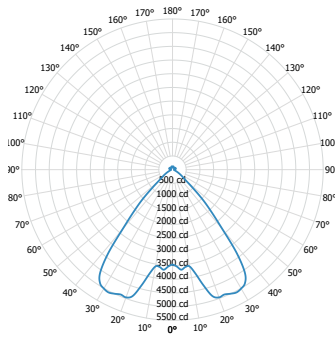
Lumens
9238

Watts
85.2

Efficacy
108.43

SC
1.56

Candela Curve



Cone of Light

Mounting Height AFF	FC at Center on Floor	Beam Diameter
8.0 ft	54 fc	14.0 ft
10.0 ft	35 fc	17.4 ft
12.0 ft	24 fc	20.9 ft
14.0 ft	18 fc	24.4 ft
16.0 ft	14 fc	27.9 ft
20.0 ft	9 fc	34.9 ft
24.0 ft	6 fc	41.9 ft
30.0 ft	4 fc	52.3 ft

Candela Table

	0.00°
0.00°	3465
5.00°	3666
10.00°	3587
15.00°	4374
20.00°	4962
30.00°	5012
40.00°	2830
50.00°	726
60.00°	283
70.00°	106
80.00°	52
90.00°	56

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0° - 30°	3919	42%
0° - 40°	6608	72%
0° - 60°	8265	89%
60° - 90°	311	3%
0° - 20°	1607	17%
20° - 50°	6253	68%
50° - 70°	584	6%
70° - 90°	133	1%
0° - 90°	8577	93%
90° - 180°	662	7%
Total	9238	100%

Spacing Criterion

Height	Spacing	Light Level*
8 ft	12.5 ft	~ 54 fc
10 ft	15.6 ft	~ 35 fc
12 ft	18.7 ft	~ 24 fc
8 ft	9.4 ft	~ 96 fc
10 ft	11.7 ft	~ 62 fc
12 ft	14.0 ft	~ 43 fc
8 ft	6.2 ft	~ 217 fc
10 ft	7.8 ft	~ 139 fc
12 ft	9.4 ft	~ 96 fc

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

MULTIPLIER

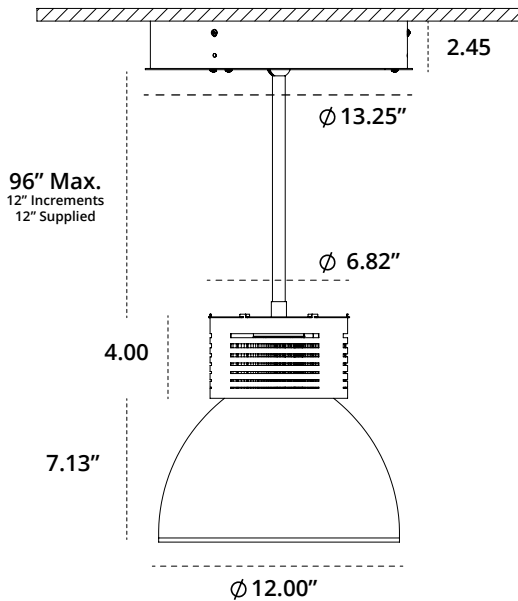
CRI	Multiplier	Kelvin	Multiplier
80	1	3000K	0.975
90	0.84	3500K	1
		4000K	1.035
		5000K	1.098

12" Luxify™ Performance High Bay

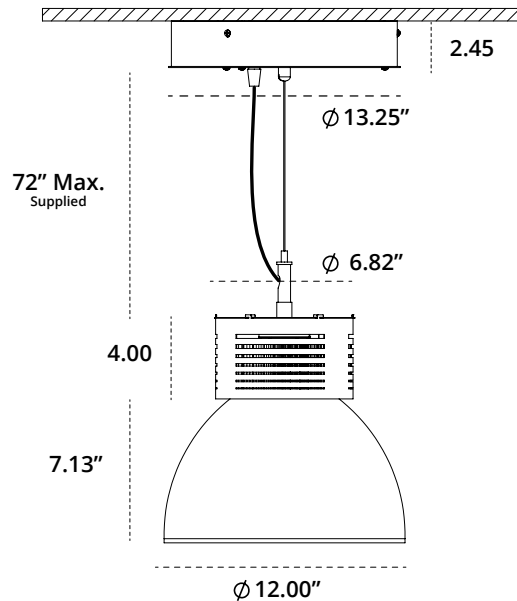
5000-15000 Lumens

Dimensional Data

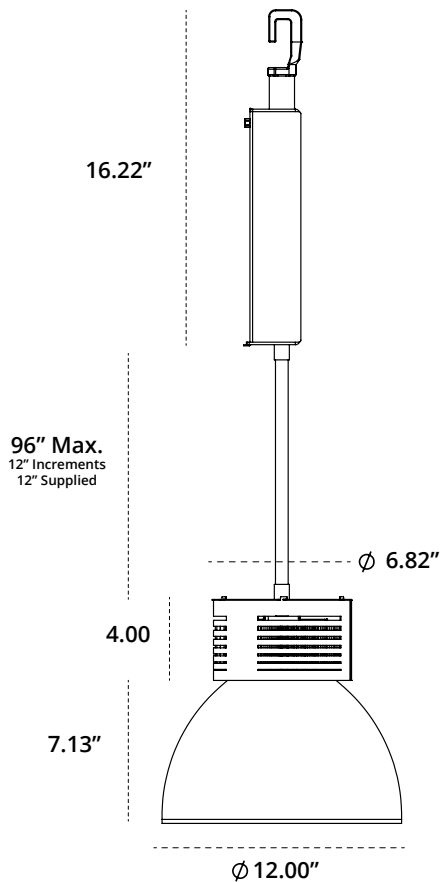
VP - Pendant Mount



CCK - Cord & Cable Mount



HC / HCP - Hook Mount



VP - Pendant Mount



CCK - CORD & CABLE MOUNT



HC / HCP - Hook Mount

Mounting Options Notes

P-XX" - 3/8" IP x 12" rigid stem with swivel canopy to accommodate sloped ceilings up to 45°. Standard Pendant lengths (stem): 12", 24", and 36". If a different length is desired, please specify in 12" increments and add a field cut kit to the order (CH34TK). CCK-XX" 5 conductor cord to support 0-10V dimming (standard). Other lengths available.

12" Luxify™ Performance High Bay

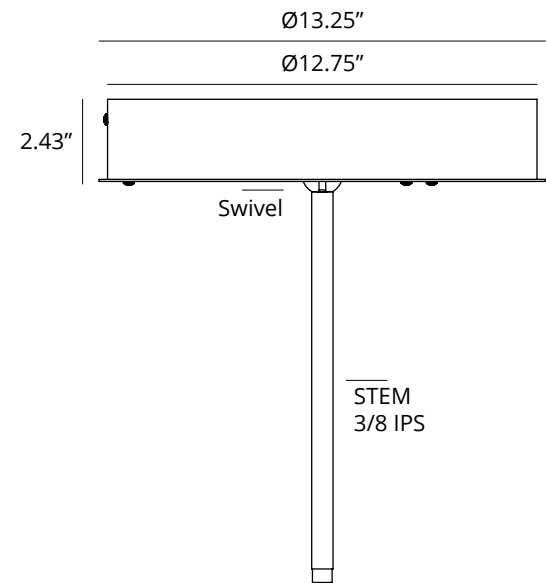
5000-15000 Lumens



Canopy Information

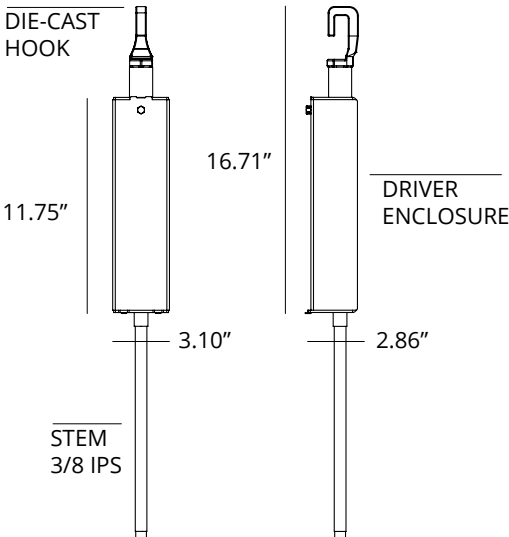
VP - Pendant Mounting

Driver located in canopy.



HC - Hook Mounting

Driver located in driver enclosure.



CCK - Cord & Cable Mounting

Cord & Cable Mount, fixed canopy (standard), driver located in canopy

