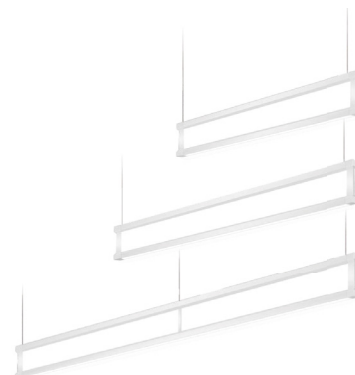




Avanta Vertical Linear



Description

The LITELUME™ LED Avanta Vertical Linear (LL-AVL) commercial pendant lighting fixture features ultra-thin semi-transparent vertical optics enveloped in a sloping silhouette where the frame meets the optics with precisely controlled direct and indirect distribution. Offering a bottom diffuser or louver. The highly engineered luminaire joining design allows for simple and intuitive assembly in the field without tools which is perfect for applications that include conference rooms, open offices, retail settings, anywhere you want to make a statement.

Fixture Information

Size:	40W/60W/80W
Housing:	Extruded aluminum
Finish:	Protective powdercoat
Length:	4', 6', 8' & continuous runs
Color:	Standard: White (WH), Black (BK)
Mounting:	Pendant Dry ceiling or T-Grid ceiling compatible. Cable lengths choices of 4' or 12' or others are optional.
Cord length options:	Choices of 4' or 12' or others are optional.
Optics:	Semi transparent high precision allows distribution of controlled light to create direct-indirect vertical & downlight light distribution.
Driver Type:	External, constant current, class 2, high efficiency
Dimming:	Choices of 0-10V dimming, dim to 10% or 0-10V dimming, dim to 1% . Tested Dimmers : LEVITON DD710, LUTRON NTSTV-DV, LEGRAND RH4FBL3PTC, LUTRON DVSTV, LEVITON IP710.
Operating Temperature:	-4° F to 104° F
Power Factor:	.90
THD:	<20%
CRI:	Standard: 80
Voltage:	Standard: 120-277V
Warranty:	10-Year Limited Warranty

Performance Data

Lumen Output:

3,000 to 8,800 lm

Lumens Per Watt (typical):

120 lm/W

CCT:

3000K

3500K

4000K

Distribution

Direct-indirect vertical & downlight

Lifespan:

Features Premium LED's
Minimum 50,000h with 87.8% of lumen maintenance in 25°C ambient temperature, in compliance with IES LM-80 testing measurements.

Ratings & Certificates

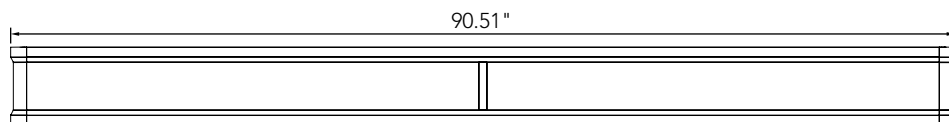
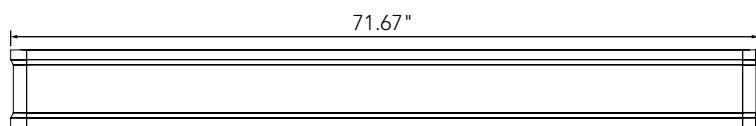
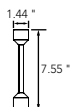
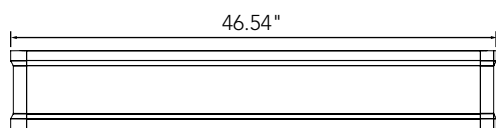
UL Listed For damp Location





Dimension

Item	Length	Width	Height
4'	46.54"	1.44"	7.55"
6'	71.67"	1.44"	7.55"
8'	90.51"	1.44"	7.55"

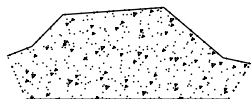
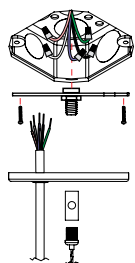
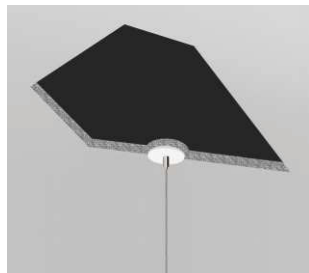


Mounting

Dry Ceiling / Off Grid (ORDER CODE: DW)

*Various hard ceilings (Mount to J-box)

Please see the installation instructions for more details

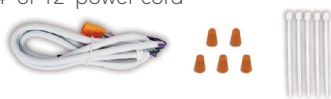


Pendant Accessories For Dry Ceiling

Canopy Kits



Mounting Kit 4' or 12' power cord



4' or 12' aircraft cable

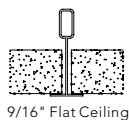


*Refer to accessories ordering guide to select specific canopy, power cord & aircraft cable combination

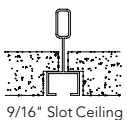


Drop ceiling / On grid (ORDER CODE(S):TF, TS or TX)

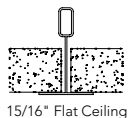
*Various T-grid ceilings 9/16" or 15/16" flat or 9/16" slot



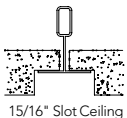
9/16" Flat Ceiling



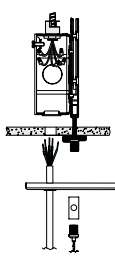
9/16" Slot Ceiling



15/16" Flat Ceiling



15/16" Slot Ceiling



Pendant Accessories For Drop Ceiling For 4'

Canopy Kits



Junction Box



Mounting Kit

4' or 12' power cord



4' or 12' aircraft cable



T-Grid Clips



For 9/16" and
15/16" Flat Ceiling
(2 Clips/Set)



For 9/16" Slot
Ceiling
(2 Clips/Set)



For 15/16" Slot
Ceiling
(2 Clips/Set)

*Refer to accessories ordering guide to select specific canopy, power cord & aircraft cable combination

Canopy Style



1.6" Round
(Non Power Feed)

○ WH ● BK



4.5" Round
(Power Feed)

○ WH ● BK



4.5" Round With
Emergency Driver
(Non Power Feed)

○ WH ● BK



5.8" Round With
Occupancy Sensor
(Power Feed)

○ WH ● BK



1.6" Square
(Non Power Feed)

○ WH ● BK



4.5" Square
(Power Feed)

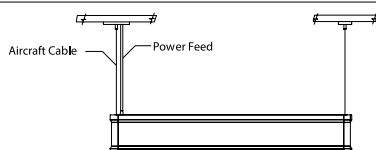
○ WH ● BK



4.5" Square With
Emergency Driver
(Non Power Feed)

○ WH ● BK

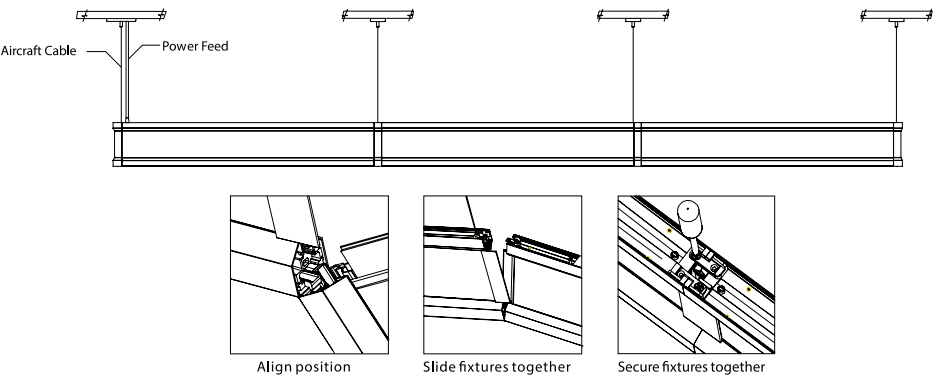
Individual





Continuous Run

The maximum connection of each input line is up to 40FT in 120AC, 100FT in 277AC.



Optional Functions

Emergency Options

LITELUME™ offers UL& CEC Listed LED emergency drivers. When AC power fails it, immediately switches to the emergency mode operating for lighting minimum 90 minutes. When AC power is restored it, automatically returns to the charging mode which meets critical life-safety lighting requirements.



Emergency battery backup

Order Separated LED emergency driver
Optional 8w or 25w high voltage LED emergency driver can be provided if you need and do it wiring in field. For more info or spec sheet please visit our website or contact sales.



Code-Required Testing

- Initial Self-Test After Installation
It will perform a functional test in 3 seconds after the driver installed to check the wiring and battery output when work. The indicator LED will be off or flicker in case of a failure or an error.
- Second Self-Test In 120 Minutes
It will perform second test in 120 minutes to check again. Upgrade in Gen 3: Repeat 4 times in every 120 minutes if fail in the second test.
- Monthly Self-Test
It will automatically perform a test every 30 days with a duration of 3 seconds, in which the wiring and battery output are checked. In case of a failure or an error, the indicator LED will be off or flicker.

Occupancy Sensor

We can provide a factory-installed integrated sensor system for multi-level control based on motion and/or daylight contribution with BRI810-B-D level & daylight harvest microwave sensor from SHARKWARD. For more info or spec sheet, please contact sales.



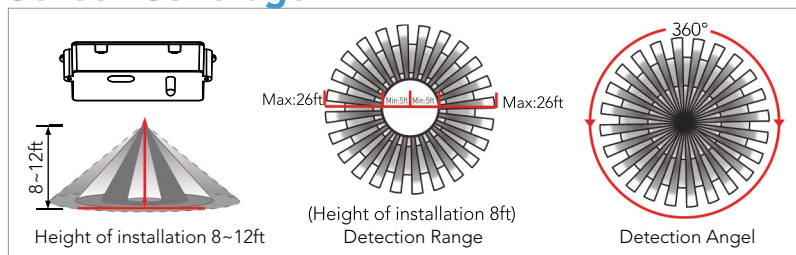
Specification

Power Supply	120/277 VAC 50/60Hz
Maximum load @-40°F~+158°F (-40°C~+70°C)	Resistive/ Tungsten-600W@120V Electronic Ballast(LED)-800VA@120V/1200VA@277V
HF System	5.8GHz CW
Dim Control Output	0-10V,max.25mA sinking current
Detection Radius/angle	Max 26ft.(8m)/360
Mounting Height	Max 12ft
Humidity	Max.95% RH
Temperature	-40°F~+158°F (-40°C~+70°C)

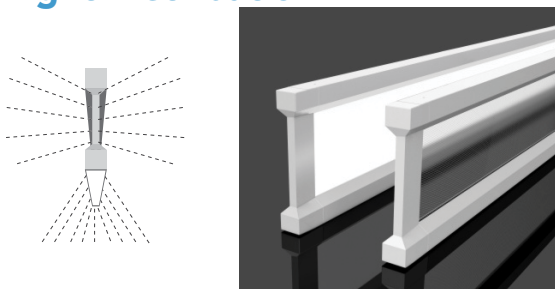




Sensor Coverage

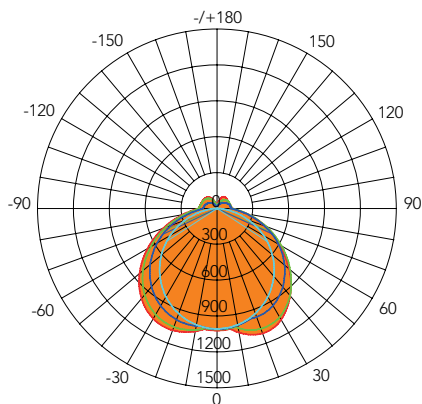


Light Distribution



Photometrics

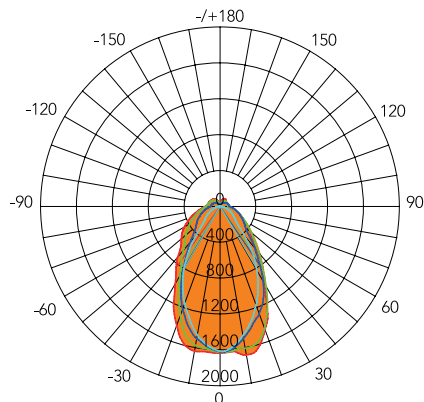
Diffuser



Zonal Flux Diagram						Zonal Lumens		Luminance cd/(m2)		
γ	C0	C45	C90	C135	C180	γ	φ total	G(DEG)	C0/180	C90/270
10	1053	996.2	987.9	1012	1043	0-10	96.00	85	67852	17105
20	1112	1025	935.3	1018	1084	10-20	384.0	80	48154	21840
30	1075	1000	851.2	979.0	1066	20-30	846.1	75	43431	25467
40	952.5	915.2	739.6	893.5	983.6	30-40	1431	70	42007	28059
50	787.0	783.7	604.5	766.6	847.0	40-50	2063	65	41821	29829
60	604.9	620.6	449.1	605.5	672.5	50-60	2662	60	41716	30971
70	416.6	440.5	278.3	424.8	478.8	60-70	3155	55	41730	31807
80	242.5	258.5	110.0	247.3	289.8	70-80	3491	50	42217	32429
90	123.9	130.3	2.740	143.7	159.0	80-90	3668	45	42641	32896
100	120.5	119.6	3.909	133.9	146.8	90-100	3787			
110	113.3	116.8	3.829	126.0	141.1	100-110	3896			
120	112.3	109.1	3.944	117.6	138.0	110-120	3991			
130	113.7	92.03	4.770	106.0	134.2	120-130	4071			
140	118.4	77.33	2.787	89.37	124.8	130-140	4133			
150	116.1	59.57	3.139	66.65	103.9	140-150	4176			
160	87.65	43.48	3.301	37.76	67.08	150-160	4199			
170	21.87	20.75	3.302	4.479	15.56	160-170	4207			
180	2.967	3.143	3.211	3.161	2.963	170-180	4207			
DEG	LUMINOUS INTENSITY:cd					UNIT: lm				



Louver



AVERAGE BEAM ANGLE(50%): 65.8°

Lumens: 3278.8 Lm

UNIT:cd

Watts: 40 W

— C0/180, 70.3°

LPW: 84.04 Lm/W

— C30/210, 67.9°

CCT: 4000K

— C60/240, 64.3°

— C90/270, 60.5°

Zonal Flux Diagram						Zonal Lumens		Luminance cd/(m2)		
γ	C0	C45	C90	C135	C180	γ	φ total	G(DEG)	C0/180	C90/270
10	1681	1536	1464	1540	1639	0-10	150.4	85	46895	6908
20	1464	1389	1174	1251	1415	10-20	556.1	80	29664	7773
30	1008	1008	825.6	852.5	999.1	20-30	1068	75	24303	8388
40	645.8	654.5	421.9	578.8	733.5	30-40	1532	70	22635	8964
50	441.9	428.7	220.7	429.0	564.5	40-50	1900	65	22130	9539
60	320.7	316.0	147.9	342.3	460.6	50-60	2215	60	22118	10201
70	224.5	227.9	88.91	263.3	343.1	60-70	2476	55	22880	10991
80	149.4	161.2	39.14	192.8	239.4	70-80	2675	50	23704	11840
90	95.30	105.0	0.5503	141.9	163.0	80-90	2812	45	25024	13586
100	91.33	97.86	1.137	126.7	144.5	90-100	2918			
110	86.32	94.92	1.330	113.6	133.7	100-110	3012			
120	83.66	91.14	1.479	101.9	126.7	110-120	3094			
130	89.55	80.84	1.696	87.96	120.0	120-130	3162			
140	100.6	69.39	2.183	71.32	108.0	130-140	3214			
150	102.4	55.47	2.860	52.64	87.64	140-150	3251			
160	81.58	42.59	3.631	31.02	57.15	150-160	3271			
170	21.51	21.88	4.194	5.299	15.68	160-170	3278			
180	4.076	4.162	4.338	4.266	4.072	170-180	3279			
DEG	LUMINOUS INTENSITY:cd					UNIT: lm				

Application Images





Project Name	
Catalog #	
Job Type	
Prepared By	
Notes	

Ordering Guide

Brand		Fixture Type		Length		Lumen Package		Voltage		CCT		Finish		Lens		Dimming	
LL	LITELUME	ALV	Avanta Vertical Linear	4	4'	3L	3000 Lumens**	UNV	120-277V	SCT*	Selectable Color Temperature	BK	Black	DF	Diffuser	D10	D10 0-10v dimming down to 10%
				6	6'	4L	4800 Lumens***					WH	White	LV	Louver	D01	D10 0-10v dimming down to 1%
				8	8'	5L	4800 Lumens**										
						6L	6400 Lumens**										
						7L	6600 Lumens***										
						9L	8800 Lumens***										

Emergency Battery		Controls	
Blank	No Emergency	Blank	No Sensor
EM8-H-170-HBF	Emergency battery backup 8W field installed	RDBK-BRI810-B-D	5.8" Round canopy black with Sharkward Line Voltage 0-10V Microwave Motion Sensor
EM25-H-170-HBF	Emergency battery backup 25W field installed	RDWH-BRI810-B-D	5.8" Round canopy white with Sharkward Line Voltage 0-10V Microwave Motion Sensor

Ceiling Type		Canopy	Power cord & aircraft cable	
DW	Drywall mount to j-box	RDBK	1.6" round black, 4'5" round black for power cable	C04BK 4' power cord black & 4' aircraft cable
TF	Drop ceiling clips for 9/16" and 15/16" flat ceiling	RDWH	1.6" round white, 4'5" round white for power cable	C04WH 4' power cord white & 4' aircraft cable
TS	Drop ceiling clips for 9/16" slot ceiling	SQBK	1.6" square black, 4'5" square black for power cable	C12BK 12' power cord black & 12' aircraft cable
TX	Drop ceiling clips for 15/16" slot ceiling	SQWH	1.6" square black, 4'5" square white for power cable	C12WH 12' power cord white & 12' aircraft cable

* SCT Selectable Color Temperature 3000K/3500K/4000K

** Louver 4' 3000L, 6' 4800L, 8' 6400L

*** Difusser 4' 4800L, 6' 6600L, 8' 8800L

Fixture Ordering Information

****MUST SELECT DIMMING OPTION, CEILING TYPE, CANOPY, POWER CORD & AIRCRAFT CABLE COMBINATION****

Part #	Wattage	Lumens	Kelvin	Voltage
LL-AVL-4-4L-UNV-SCT-BK-DF	40W	4400	3000K 3500K 4000K	120-277
LL-AVL-4-4L-UNV-SCT-WH-DF	40W	4400	3000K 3500K 4000K	120-277
LL-AVL-6-7L-UNV-SCT-BK-DF	60W	6600	3000K 3500K 4000K	120-277
LL-AVL-6-7L-UNV-SCT-WH-DF	60W	6600	3000K 3500K 4000K	120-277
LL-AVL-8-9L-UNV-SCT-BK-DF	80W	8800	3000K 3500K 4000K	120-277
LL-AVL-8-9L-UNV-SCT-WH-DF	80W	8800	3000K 3500K 4000K	120-277
LL-AVL-4-3L-UNV-SCT-BK-LV	40W	3000	3000K 3500K 4000K	120-277
LL-AVL-4-3L-UNV-SCT-WH-LV	40W	3000	3000K 3500K 4000K	120-277
LL-AVL-6-5L-UNV-SCT-BK-LV	60W	4800	3000K 3500K 4000K	120-277
LL-AVL-6-5L-UNV-SCT-WH-LV	60W	4800	3000K 3500K 4000K	120-277
LL-AVL-8-6L-UNV-SCT-BK-LV	80W	6400	3000K 3500K 4000K	120-277
LL-AVL-8-6L-UNV-SCT-WH-LV	80W	6400	3000K 3500K 4000K	120-277

Accessories Ordering Information

Part #	Description
D10	0-10V Dimming Down To 10%
D01	0-10V Dimming Down To 1%
EM8-H-170-HBF	Emergency Battery Back Up, 8W, High Voltage, 170V DC, Field Installed, 120-277V, 90 Minutes
EM25-H-170-HBF	Emergency Battery Back Up, 25W, High Voltage, 170V DC, Field Installed, 120-277V, 90 Minutes
RDBK-BRI810-B-D	5.8" Round Canopy Black With Sharkward Line Voltage 0-10V Microwave Motion Sensor
RDWH-BRI810-B-D	5.8" Round Canopy White With Sharkward Line Voltage 0-10V Microwave Motion Sensor
DW	Drywall Mount To J-Box



TF	Drop Ceiling Clips For 9/16" And 15/16" Flat Ceiling
TS	Drop Ceiling Clips For 9/16" Slot Ceiling
TX	Drop Ceiling Clips For 15/16" Slot Ceiling
RDBK	Canopy Kit 1.6" Round Black, 4'5" Round Black For Power Cable
RDWH	Canopy Kit 1.6" Round White, 4'5" Round White For Power Cable
SQBK	Canopy Kit 1.6" Square Black, 4'5" Square Black For Power Cable
SQWH	Canopy Kit 1.6" Square White, 4'5" Square White For Power Cable
C04BK	4' Power Cord Black & 4' Aircraft Cable
C04WH	4' Power Cord White & 4' Aircraft Cable
C12BK	12' Power Cord Black & 12' Aircraft Cable
C12WH	12' Power Cord White & 12' Aircraft Cable

* Please contact LITELUME for all Custom Option Requests