



Avanta Linear Up/Down



Description

The LITELUME™ LED Avanta Linear up/down (LL-ALUD) commercial pendant lighting fixture utilizing an advanced LED optical system to achieve superior performance. The unique design is nearly transparent when off and boasts excellent uniformity and efficiency when on. 55% downlighting and 45% uplighting distribution, making the illusion of the light floating in mid-air. 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 light guide made of PMMA material, allows distribution of controlled light to create 45% uplight, 55% downlight light distribution.
Driver Type:	External, constant current, class 2, high efficiency
Dimming:	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:

4,800 to 9,600 lm

Lumens Per Watt (typical):

120 lm/W

CCT:

3000K

3500K

4000K

Distribution

55% downlight and 45% uplight

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

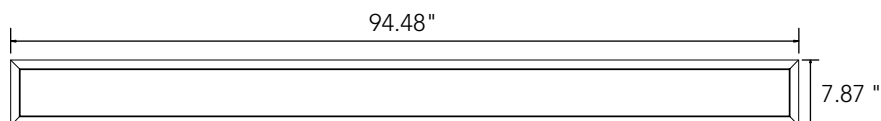
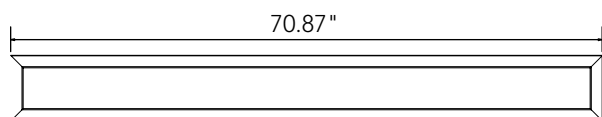
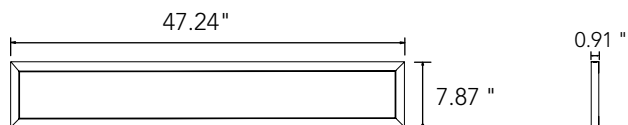
UL Listed For damp Location





Dimension

Item	Length	Width	Height
4'	47.24"	7.87"	0.91"
6'	70.87"	7.87"	0.91"
8'	94.48"	7.87"	0.91"

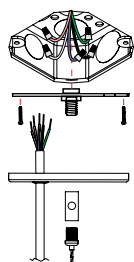
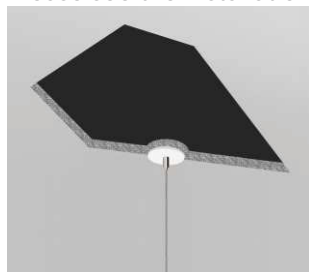


Mounting

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 For 4'

Canopy Kits



Pendant Accessories For Dry Ceiling For 6' or 8'

Canopy Kits



Mounting Kit



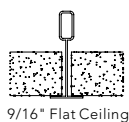
Mounting Kit



*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)**

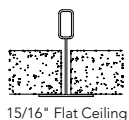
*Various T-grid ceilings 9/16" or 15/16" flat or 9/16" slot



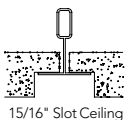
9/16" Flat Ceiling



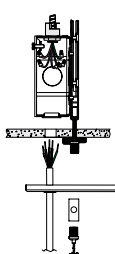
9/16" Slot Ceiling



15/16" Flat Ceiling



15/16" Slot Ceiling

**Pendant Accessories For Drop Ceiling For 4'****Canopy Kits****Junction Box****Pendant Accessories For Drop Ceiling For 6' or 8'****Canopy Kits****Junction Box****Mounting Kit**

4' or 12' power cord



4' or 12' aircraft cable



Junction Plate

**Mounting Kit**

4' or 12' power cord



4' or 12' aircraft cable



Junction Plate

**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)**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 Style1.6" 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)

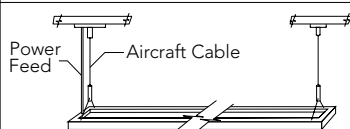
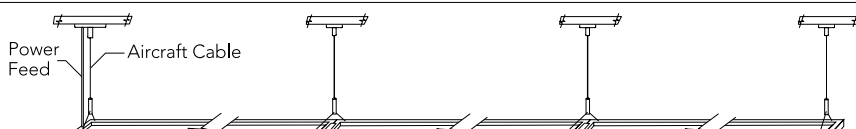
○ WH ● BK

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.



Standard Line Runs in 120V

Luminaire Run Length (ft)	Run Configuration	4' Power Cable	4' Aircraft Cable	Canopy
4	4'	1	2	2
8	8'	1	3	3
12	6'+6'	1	3	3
16	8'+8'	1	5	5
20	8'+8'+4'	1	6	6
24	8'+8'+8'	1	7	7
28	8'+8'+8'+4'	1	8	8
32	8'+8'+8'+8'	1	9	9
36	6'+6'+6'+6'+6'+6'	1	7	7

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.

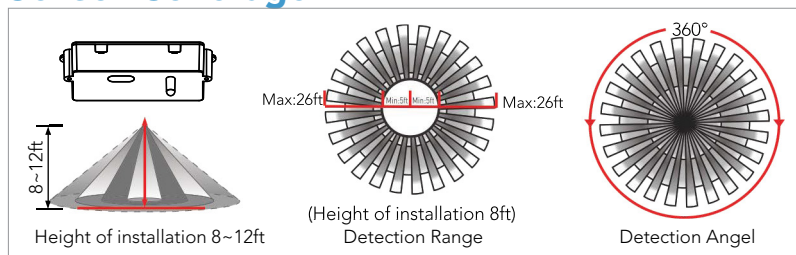


Specification

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)

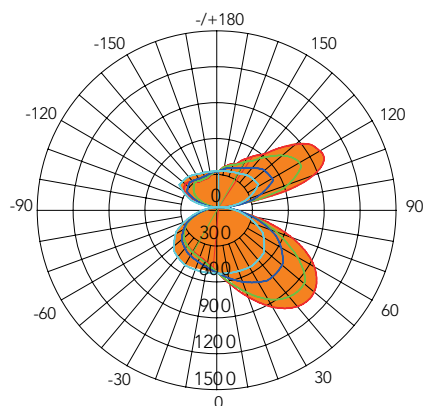


Sensor Coverage



Photometrics

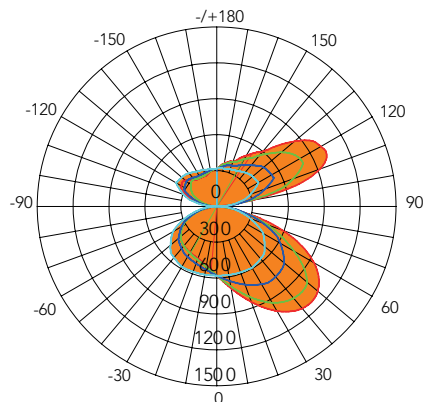
8"x4'/3000K



Zonal Flux Diagram						Zonal Lumens		Luminance cd/(m2)		
γ	C0	C45	C90	C135	C180	γ	φ total	G(DEG)	C0/180	C90/270
5	605.5	590.4	555.7	525.5	513.5	0-5	13.29	85	132	3489
10	667.7	631.2	557.2	502.3	482.7	5-10	53.50	80	2804	3456
15	738.7	675.9	558.8	483.6	460.1	10-15	121.4	75	5533	3462
20	816.4	723.2	560.9	469.0	444.8	15-20	218.2	70	6870	3481
25	895.5	767.4	562.9	458.4	434.6	20-25	344.8	65	7457	3514
30	969.2	807.0	565.0	449.8	427.4	25-30	501.9	60	7517	3560
35	1029	838.6	555.6	442.1	420.7	30-35	688.6	55	7251	3368
40	1068	858.3	546.1	432.2	412.2	35-40	901.8	50	6858	3242
45	1080	848.0	536.7	407.6	400.1	40-45	1137	45	6362	3163
50	1058	821.9	500.2	374.0	383.0	45-50	1387			
55	998.1	775.5	463.7	332.2	357.8	50-55	1639			
60	902.1	670.1	427.2	285.2	325.4	55-60	1882			
65	756.3	547.0	356.5	237.9	279.6	60-65	2104			
70	563.9	413.1	285.8	187.5	219.7	65-70	2289			
75	343.7	270.4	215.1	132.7	146.5	70-75	2428			
80	116.9	138.8	144.0	81.32	54.69	75-80	2518			
85	2.771	69.37	72.99	41.71	17.09	80-85	2563			
90	1.200	2.362	1.952	3.282	1.179	85-90	2577			
95	1.739	55.62	20.43	30.93	9.619	90-95	2593			
100	264.0	244.5	158.3	97.05	56.23	95-100	2650			
105	658.9	376.4	236.4	170.5	186.1	100-105	2770			
110	876.9	500.0	286.2	246.4	258.9	105-110	2942			
115	972.9	578.6	336.0	301.5	313.2	110-115	3147			
120	964.2	599.1	385.8	327.6	332.1	115-120	3368			
125	921.2	599.8	380.0	340.2	342.0	120-125	3586			
130	815.7	567.5	374.2	329.4	328.9	125-130	3787			
135	694.5	512.4	368.4	311.9	303.7	130-135	3963			
140	580.0	470.1	355.2	292.1	277.5	135-140	4113			
145	526.4	444.4	342.0	287.8	268.6	140-145	4239			
150	472.9	411.5	328.8	284.1	265.1	145-150	4344			
155	426.0	389.2	323.1	280.8	264.2	150-155	4429			
160	382.7	368.5	317.5	284.3	261.7	155-160	4498			
165	372.3	352.0	311.8	289.9	274.7	160-165	4551			
170	351.0	340.3	309.9	297.5	287.7	165-170	4588			
175	327.4	319.2	308.0	304.8	299.0	170-175	4611			
180	306.1	306.1	306.1	306.1	302.0	175-180	4618			
DEG	LUMINOUS INTENSITY:cd					UNIT: lm				



8"x4'/3500K



AVERAGE BEAM ANGLE(50%): 262.9°

Lumens: 4810.9 Lm UNIT:cd

Watts: 40 W C0/180, 151.7°

LPW: 130.23 Lm/W C30/210, 179.7°

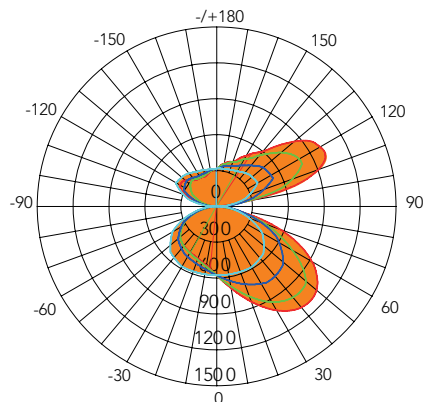
CCT: 3500K C60/240, 360.0°

C90/270, 360.0°

Zonal Flux Diagram						Zonal Lumens		Luminance cd/(m2)		
γ	C0	C45	C90	C135	C180	γ	φ total	G(DEG)	C0/180	C90/270
5	631.9	616.1	580.3	548.6	536.0	0-5	13.87	85	138	3646
10	696.6	659.0	582.0	524.4	503.6	5-10	55.83	80	2877	3611
15	770.6	705.7	583.8	504.9	480.3	10-15	126.7	75	5668	3618
20	851.6	755.2	586.2	489.8	464.0	15-20	227.7	70	7111	3639
25	933.7	801.4	588.5	478.7	453.2	20-25	359.8	65	7721	3675
30	1010	842.7	590.9	469.7	445.8	25-30	523.6	60	7800	3722
35	1072	875.8	580.8	461.3	438.6	30-35	718.3	55	7551	3521
40	1113	896.2	570.8	450.5	429.8	35-40	940.6	50	7143	3388
45	1125	885.0	560.7	424.5	417.1	40-45	1186	45	6627	3304
50	1102	857.4	500.2	374.0	383.0	45-50	1446			
55	1039	808.4	484.7	346.5	373.1	50-55	1709			
60	936.0	697.9	446.7	297.9	339.1	55-60	1963			
65	783.1	568.3	372.7	248.8	292.0	60-65	2193			
70	583.7	427.7	298.7	196.0	228.8	65-70	2385			
75	352.1	278.5	224.7	138.6	152.4	70-75	2530			
80	119.9	140.8	150.5	85.01	56.68	75-80	2623			
85	2.893	70.26	76.27	43.72	16.98	80-85	2670			
90	1.218	2.470	2.040	3.655	1.261	85-90	2684			
95	1.805	128.2	83.78	51.46	1.851	90-95	2701			
100	276.1	256.1	165.5	101.7	56.96	95-100	2760			
105	685.0	393.7	247.2	179.3	190.5	100-105	2886			
110	916.6	522.3	299.1	258.8	267.3	105-110	3064			
115	1014	603.9	351.0	314.9	323.5	110-115	3278			
120	1005	625.2	402.9	342.4	343.3	115-120	3509			
125	960.6	625.8	396.7	355.3	354.8	120-125	3736			
130	847.6	591.9	390.6	344.0	341.9	125-130	3945			
135	721.1	534.5	384.4	325.9	316.6	130-135	4129			
140	603.7	490.5	370.6	305.5	289.4	135-140	4285			
145	548.9	463.3	356.8	300.5	279.7	140-145	4416			
150	492.7	429.2	343.0	296.5	276.5	145-150	4525			
155	442.7	406.0	337.1	292.9	275.9	150-155	4614			
160	398.8	384.2	331.3	296.6	272.8	155-160	4686			
165	388.4	367.1	325.4	302.4	285.8	160-165	4741			
170	366.1	354.8	323.4	310.4	299.4	165-170	4780			
175	341.1	332.9	321.4	318.1	311.1	170-175	4803			
180	319.4	319.4	319.4	319.4	314.4	175-180	4811			
DEG	LUMINOUS INTENSITY:cd					UNIT: lm				



8"x4'/4000K



AVERAGE BEAM ANGLE(50%): 263.0°

Lumens: 4769.73 Lm UNIT:cd

Watts: 40 W C0/180, 152.2°

LPW: 125.05 Lm/W C30/210, 179.6°

CCT: 4000K C60/240, 360.0°

C90/270, 360.0°

Zonal Flux Diagram						Zonal Lumens		Luminance cd/(m2)		
γ	C0	C45	C90	C135	C180	γ	φ total	G(DEG)	C0/180	C90/270
5	627.5	612.0	576.4	544.9	532.3	0-5	13.78	85	144	3634
10	691.8	654.6	578.2	521.0	500.1	5-10	55.45	80	2917	3597
15	765.0	701.1	580.1	501.6	476.9	10-15	125.8	75	5652	3604
20	845.2	750.3	582.5	486.7	460.7	15-20	226.1	70	7023	3622
25	926.7	796.2	585.0	475.3	450.0	20-25	357.2	65	7630	3656
30	1002	837.3	587.5	465.7	442.5	25-30	519.8	60	7713	3703
35	1063	870.3	577.6	456.7	435.4	30-35	713.0	55	7476	3503
40	1104	890.6	567.7	445.5	426.6	35-40	933.6	50	7083	3371
45	1115	879.4	557.8	420.0	414.1	40-45	1177	45	6571	3287
50	1093	852.1	520.0	385.4	396.2	45-50	1435			
55	1029	803.3	482.2	342.8	370.3	50-55	1696			
60	925.6	692.3	444.4	295.9	336.2	55-60	1947			
65	773.9	562.3	370.9	247.2	289.6	60-65	2175			
70	576.5	421.9	297.3	194.7	227.3	65-70	2366			
75	351.1	273.8	223.8	137.9	151.6	70-75	2509			
80	121.6	137.2	149.9	84.87	56.50	75-80	2601			
85	3.002	68.55	76.00	43.77	16.89	80-85	2647			
90	1.246	2.661	2.088	3.893	1.280	85-90	2662			
95	2.216	127.8	83.31	53.39	1.936	90-95	2678			
100	272.1	255.0	164.5	105.1	55.83	95-100	2737			
105	679.1	391.9	245.8	176.1	190.5	100-105	2861			
110	910.0	519.6	297.4	249.3	265.8	105-110	3037			
115	1007	600.8	349.1	304.9	322.6	110-115	3249			
120	999.2	622.0	400.7	334.1	349.8	115-120	3477			
125	954.7	622.6	394.6	349.8	353.2	120-125	3702			
130	842.5	588.9	388.5	340.2	340.4	125-130	3910			
135	716.6	531.8	382.5	323.7	315.8	130-135	4092			
140	600.2	488.1	368.7	303.5	287.9	135-140	4247			
145	545.6	461.0	354.9	299.0	278.1	140-145	4378			
150	489.6	426.9	341.2	294.9	274.5	145-150	4486			
155	439.8	403.6	335.3	291.3	272.9	150-155	4574			
160	396.5	382.0	329.5	294.8	269.2	155-160	4645			
165	386.1	365.1	323.6	300.7	282.1	160-165	4700			
170	364.0	352.8	321.7	308.6	296.2	165-170	4739			
175	339.4	331.1	319.7	316.3	309.1	170-175	4762			
180	317.8	317.8	317.8	317.8	312.9	175-180	4770			
DEG	LUMINOUS INTENSITY:cd					UNIT: lm				



Application Photos





Project Name	
Catalog #	
Job Type	
Prepared By	
Notes	

Ordering Guide

Brand		Fixture Type		Length		Lumen Package		Voltage		CCT		Power		Finish		Dimming	
LL	LITELUME	ALUD	Avanta Linear Up/Down	4	4'	5L	4800 Lumens	UNV	120-277V	SCT*	Selectable Color Temperature	SP**	Selectable Power	BK	Black	D10	D10 0-10v dimming down to 10%

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

Fixture Ordering Information

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

Part #	Wattage	Lumens	Kelvin	Voltage
LL-ALUD-4-5L-UNV-SCT-BK	40W	4800	3000K 3500K 4000K	120-277
LL-ALUD-4-5L-UNV-SCT-WH	40W	4800	3000K 3500K 4000K	120-277
LL-ALUD-6-7L-UNV-SCT-BK	60W	7200	3000K 3500K 4000K	120-277
LL-ALUD-6-7L-UNV-SCT-WH	60W	7200	3000K 3500K 4000K	120-277
LL-ALUD-8-10L-UNV-SCT-BK	80W	9600	3000K 3500K 4000K	120-277
LL-ALUD-8-10L-UNV-SCT-WH	80W	9600	3000K 3500K 4000K	120-277

Accessories Ordering Information

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

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