

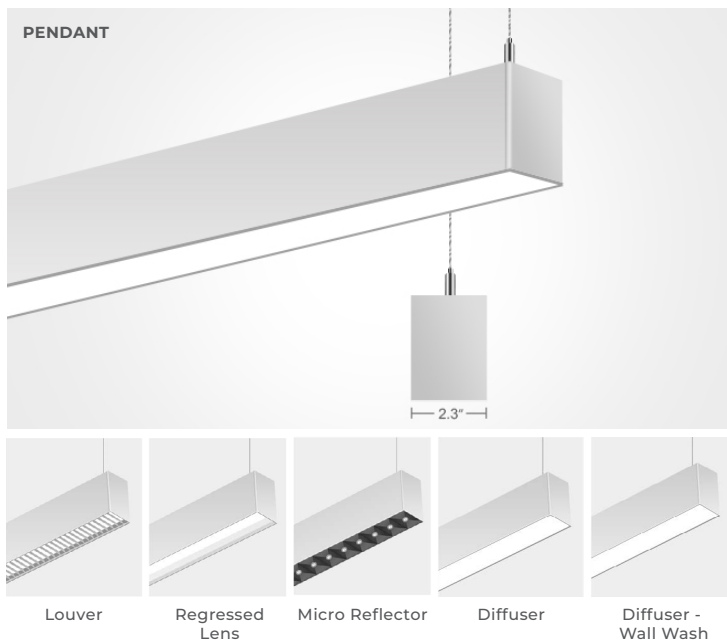
PROJECT

DATE

COMMENTS



IN STOCK



ENERGY CHART — 100% DIRECT

LENS	SIZE	DELIVERED LUMENS (100% Direct)	WATTAGE	EFFICACY lm/ft
Diffuser	2	Up to 2100	10W / 15W / 20W	1050
	3	Up to 3150	15W / 23W / 30W	1050
	4	Up to 4200	20W / 30W / 40W	1050
	8	Up to 8400	40W / 60W / 80W	1050
Louver	2	Up to 1300	10W / 15W / 20W	650
	3	Up to 1950	15W / 23W / 30W	650
	4	Up to 2600	20W / 30W / 40W	650
	8	Up to 5200	40W / 60W / 80W	650
Regressed	2	Up to 1800	10W / 15W / 20W	900
	3	Up to 2700	15W / 23W / 30W	900
	4	Up to 3600	20W / 30W / 40W	900
	8	Up to 7200	40W / 60W / 80W	900
Micro Reflector	2	Up to 1800	10W / 15W / 20W	900
	3	Up to 2700	15W / 23W / 30W	900
	4	Up to 3600	20W / 30W / 40W	900
	8	Up to 7200	40W / 60W / 80W	900

Lumens are subject to maximum wattage, 4000K with white finish only.

Lumen output may vary $\pm$ 5% base on different CCT and wattage. Actual wattage may vary $\pm$ 5%

Full energy chart on page 13.

SUMMIT 23 P ARCHITECTURAL LINEAR PENDANT LED

Summit is a sleek, streamlined architectural linear LED luminaire combining modern aesthetics with exceptional lighting quality. Summit 23 P has a 2.34" wide profile in a black or white finish. Summit 23 P can adapt to any application with 2ft, 4ft, or 8ft lengths that are equipped with field selectable CCT, field selectable wattage and field selectable distribution offering 7 optical options for direct, indirect, and direct/indirect lighting.

- Commercial Office
- Classrooms
- Civic & Transportation

PHYSICAL

Material	Extruded Aluminum
Mounting	Pendant
Optics	Diffuser, Wall Wash, Louver, Regressed Lens, Micro Reflector
Finish	Black, White

PERFORMANCE

Warranty	5 years
Certifications	Damp Location, cULus
Operating Temperature	-4° to 104° F (-20°C to 40°C)
Rated Life	50,000 hours
THD	<20%
CCT	Field Selectable: 3000K, 3500K, 4000K
CRI	80, 90
Distribution	Field Selectable: 100% Direct, 100% Indirect, 50% Indirect/ 50% Direct, 90% Indirect/10% Direct, 30% Indirect/70% Direct, 70% Indirect/30% Direct, 10% Indirect/90% Direct

ELECTRICAL

Wattage	Field Selectable: 10/15/20W, 12/23/30W, 20/30/40W, 40/60/80W
Voltage	110-277V
Power Factor	>0.9
LED Driver	Class 2 High Efficiency
Dimming	0-10V to 1% 1-10V to 10%





ORDERING LOGIC

EX: SUMMIT-23-P-2-FS2-UNV-FS-80-D10-DF-FS7-BK-F-RDWH

FAMILY	SIZE	MOUNTING	LENGTH	WATTAGE		VOLTAGE	CCT	CRI	DRIVER						
SUMMIT	23	P				UNV	FS								
	23	2.3"	P	Pendant	2 2'	FS2	Field Selectable 10W / 15W / 20W	UNV	110-277V	FS	Field Selectable 3000K / 3500K / 4000K	80	80 CRI	D10	Dim to 10%
					3 3'	FS3	Field Selectable 15W / 23W / 30W					90*	90 CRI	D01	Dim to 1%
					4 4'	FS4	Field Selectable 20W / 30W / 40W								
					8 8'	FS8	Field Selectable 40W / 60W / 80W								
OPTICS			DISTRIBUTION				FINISH		CEILING TYPE			CANOPY			
DF	Diffuser		FS7	Field Selectable			BK	Black	F	9/16" or 15/16" Flat			RDWH	Round White	
RL	Regressed Lens			• 100% Direct • 100% Indirect • 50% Indirect/50% Direct • 90% Indirect/10% Direct					D	Drywall			SQWH	Square White	
WW	Wall Wash (30° Tilt)								S916	9/16" Slot			RDBK	Round Black	
LV	Louver		D	100% Direct					S1516	15/16" Slot			SQBK	Square Black	
MR	Micro Reflector														

CABLE LENGTH

ORDERING NOTES

* Made To Order (16-20 Week Lead Time)

- C05WH 5' White Power Cord & Aircraft Cable
C12WH 12' White Power Cord & Aircraft Cable
C05BK 5' Black Power Cord & Aircraft Cable
C12BK 12' Black Power Cord & Aircraft Cable

ACCESSORIES ORDERING LOGIC (ORDER SEPARATELY)

EX: SUMMIT-23-EM8-I

FAMILY	ACCESSORIES
SUMMIT-23	
EM8-I	8W Integral Emergency Battery BUILT-IN INDICATOR
EM8-EC	8W External Emergency Battery WALL/CEILING PLATE OR ROUND CANOPY INDICATOR
EM25-EC	25W External Emergency Battery WALL/CEILING PLATE OR ROUND CANOPY INDICATOR
OS-P	Occupancy Sensor INTEGRAL, INSTALLED IN CANOPY
SC*	Smart Control Function TUNABLE WHITE, BRIGHTNESS, DISTRIBUTION 0-100% VIA APP OR WALL SWITCH
SJ	Straight Line Joiner
TJ-WH	T Joiner, White
LJ-WH	L Joiner 90°, White
XJ-WH	X Joiner 90°, White
YJ-WH	Y Joiner 120°, White
VJ-WH	V Joiner 120°, White
ZJ-WH	Z Joiner, White
TJ-BK	T Joiner, Black
LJ-BK	L Joiner 90°, Black
XJ-BK	X Joiner 90°, Black
YJ-BK	Y Joiner 120°, Black
VJ-BK	V Joiner 120°, Black
ZJ-BK	Z Joiner, Black
40RL	Seamless Diffuser, 40' Roll

LENS TYPE

Up 150°, Down 110°

Diffuser
It allows the light to custom the diffuser lengths, up to 42'.

Up 150°, Down 80°

Louver
Straight blade louver, allows the light to diffuse for a direct and indirect lighting combination.

Up 150°, Down 75°

Regressed
A snap-in lens for easy custom colors and visual comfort.

Up 150°, Down 60°

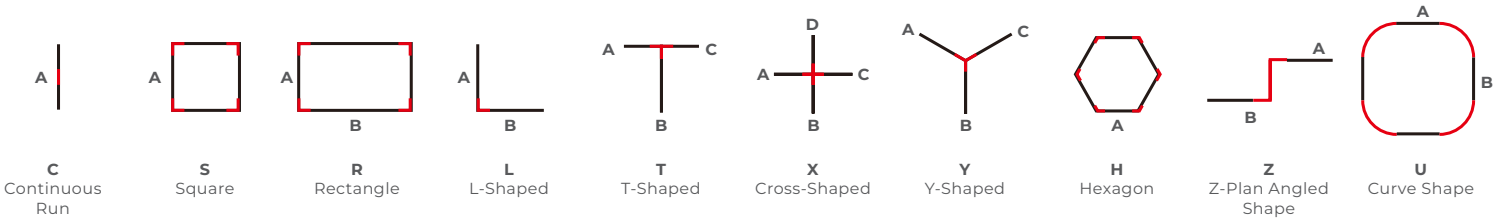
Micro Reflector
Exclusive low glare modular optics, UGR<15.





CUSTOM LINE OR SHAPE ORDERING LOGIC - CONSULT FACTORY FOR ASSISTANCE

EX: SUMMIT-23-P-R12/24-WH-DF-D01-D-RWH-C05WH



*Shape orientation viewed from the ceiling down to the floor. Joiners and rolling lens will be included. For more complex shape, contact your sales rep or SAGE Brands.

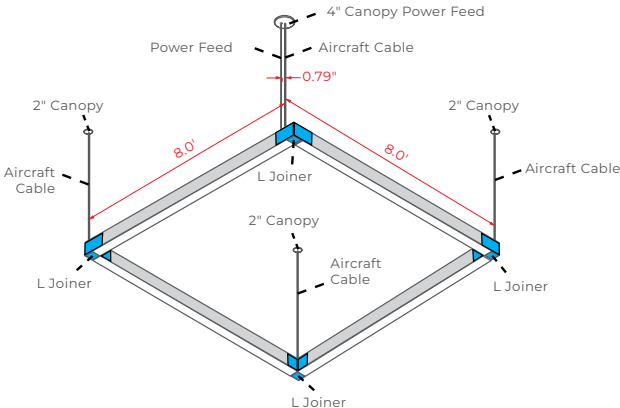
FAMILY	SIZE	MOUNTING	SHAPE/LENGTH						
SUMMIT	23	P							
	23	2.3"	P	Pendant	C __	Continuous Run ENTER RUN LENGTH IN FEET, EX: SUMMIT-23-P-C40	X __/_/_/_/	Cross Shape ENTER SIDE LENGTHS A , B , C THEN D IN FEET, EX: SUMMIT-23-P-X02/02/02/02	
					S __	Square Shape ENTER SIDE LENGTH A IN FEET, EX: SUMMIT-23-P-S08	Y __/_/_/	Y Shape ENTER SIDE LENGTHS A , B , THEN C IN FEET, EX: SUMMIT-23-P-Y04/04/04	
					R __/_/	Rectangle Shape ENTER SIDE LENGTHS A THEN B IN FEET, EX: SUMMIT-23-P-R12/24	H __	Hexagon Shape ENTER SIDE LENGTH A IN FEET, EX: SUMMIT-23-P-H04	
					L __/_/	L Shape ENTER SIDE LENGTHS A THEN B IN FEET, EX: SUMMIT-23-P-L12/24	Z __/_/	Z-Plane Angled Shape ENTER SIDE LENGTHS A THEN B IN FEET, EX: SUMMIT-23-P-Z04/04	
					T __/_/_/	T Shape ENTER SIDE LENGTHS A , B , THEN C IN FEET, EX: SUMMIT-23-P-T04/06/08	U __/_/	Curve Shape ENTER SIDE LENGTHS A THEN B IN FEET, EX: SUMMIT-23-P-A04/04	
FINISH		OPTICS		DRIVER		CEILING TYPE		CANOPY	
BK	Black	DF	Diffuser	D10	Dim to 10%	F	9/16" or 15/16" Flat	RDWH	Round White
WH	White	RL	Regressed Lens	D01	Dim to 1%	D	Drywall	SQWH	Square White
		WW	Wall Wash (30° Tilt)			S916	9/16" Slot	RDBK	Round Black
		LV	Louver			S1516	15/16" Slot	SQBK	Square Black
		MR	Micro Reflector						

CABLE LENGTH

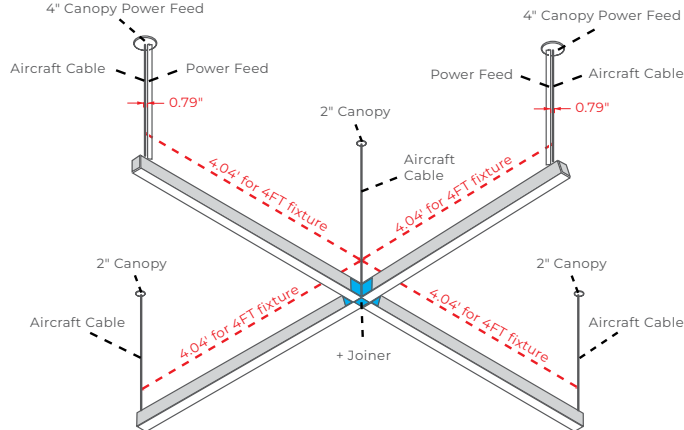
C05WH	5' White Power Cord & Aircraft Cable
C12WH	12' White Power Cord & Aircraft Cable
C05BK	5' Black Power Cord & Aircraft Cable
C12BK	12' White Power Cord & Aircraft Cable

ORDERING NOTES
* Made To Order (16-20 Week Lead Time)
* Some fixtures require an MOQ. Please contact your sales rep or SAGE Brands for more information.

EXAMPLE: SUMMIT-23-P-S08



EXAMPLE: SUMMIT-23-P-X04/04/04/04





CUSTOM LINE OR SHAPE ORDERING LOGIC - CONSULT FACTORY FOR ASSISTANCE

CONFIGURED SHAPES

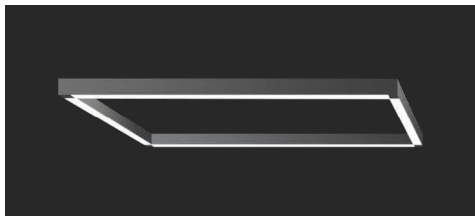
Straights & Mitered Corners



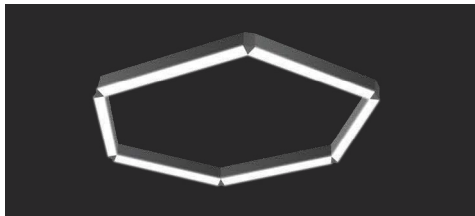
90° L Shape



Square



Rectangle

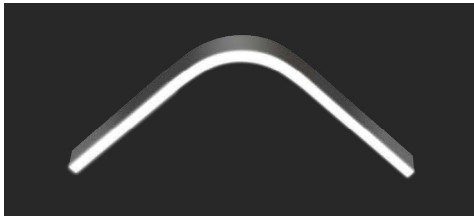


Hexagon



Straight

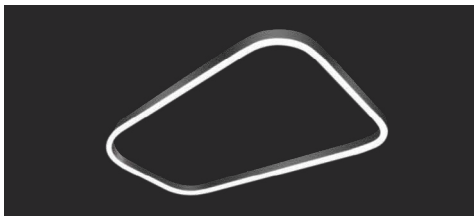
Curve Shape Lit Corners*



90° Curved Angle - Lit



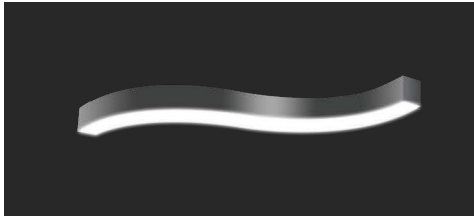
Curved Square - Lit



Curved Rectangle - Lit



Curved Square - Lit

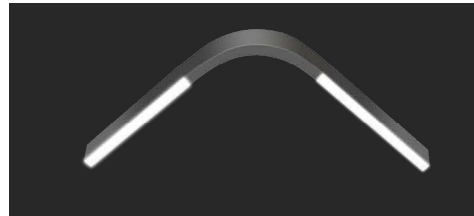


90° Double Squiggle

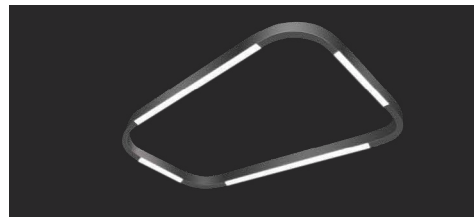


Circle - Lit

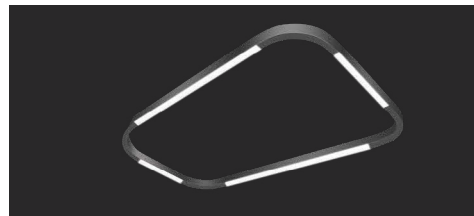
Curve Shape Non-Lit Corners*



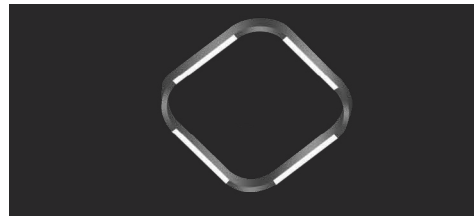
90° Curved Angle



Curved Square



Curved Rectangle



Curved Square

NOTES

- * Made To Order (16-20 Week Lead Time)
- * Some fixtures require an MOQ. Please contact your sales rep or SAGE Brands for more information.
- * Silicone rolling lens required for custom curve shapes with lit corners, it reduces brightness by 20% if using silicone rolling lens for the whole shape.





STANDARD LINE RUNS IN 120V

LUMINAIRE RUN LENGTH feet	RUN CONFIGURATION	LINE JOINER	5' POWER CABLE	5' AIRCRAFT CABLE	CANOPY
2	2'	-	1	2	2
4	4'	-	1	2	2
6	4'+2'	1	1	3	3
8	8'	-	1	2	2
10	8'+2'	1	1	3	3
12	8'+4'	1	1	3	3
14	8'+4'+2'	2	1	4	4
16	8'+8'	1	1	3	3
18	8'+8'+2'	2	1	4	4
20	8'+8'+4'	2	1	4	4
22	8'+8'+4'+2'	3	1	5	5
24	8'+8'+8'	2	1	4	4
26	8'+8'+8'+2'	3	1	5	5
28	8'+8'+8'+4'	3	1	5	5
30	8'+8'+8'+4'+2'	4	1	6	6
32	8'+8'+8'+8'	3	1	5	5
34	8'+8'+8'+8'+2'	4	1	6	6
36	8'+8'+8'+8'+4'	4	1	6	6
38	8'+8'+8'+8'+4'+2'	5	1	7	7
40	8'+8'+8'+8'+8'	4	1	6	6

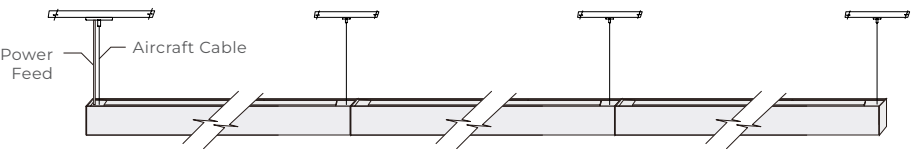
CONTINUOUS RUNS



SJ
Straight Line Joiner

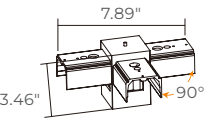


40RL
Seamless Diffuser,
40' Roll

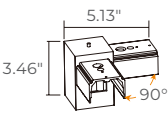


120VAC: Connections up to 40ft
277VAC: Connections up to 100ft

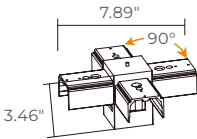
CUSTOM PATTERNS WITH JOINERS



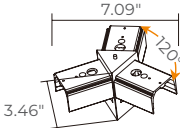
TJ
T Joiner 90°



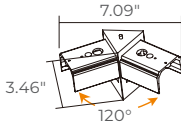
LJ
L Joiner 90°



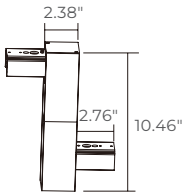
XJ
X Joiner 90°



YJ
Y Joiner 120°



VJ
V Joiner 120°

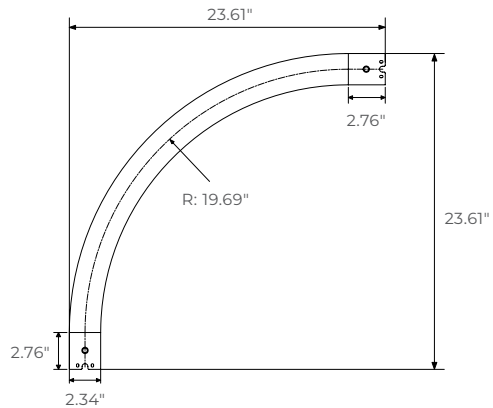


ZJ
Z Joiner





CURVE LIGHT



Curve Shape Lit Corners*

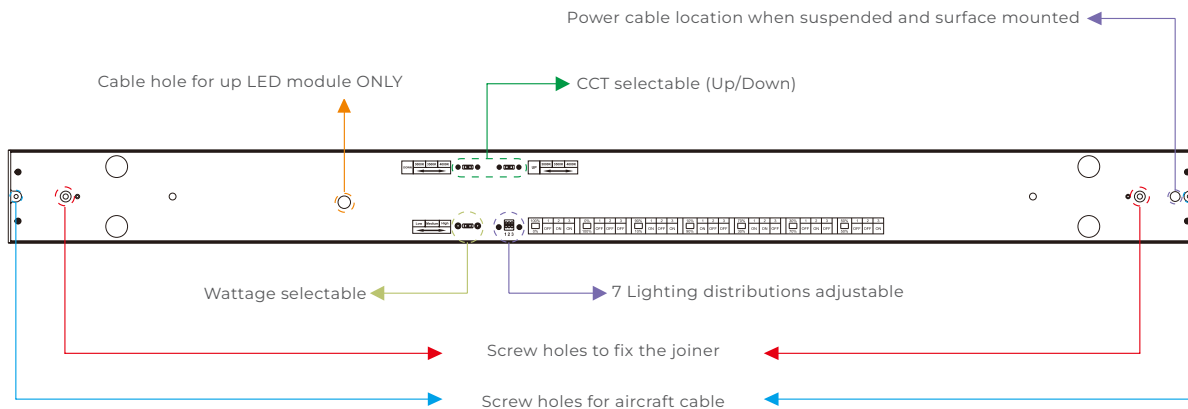
PERFORMANCE

- Wattage selectable (30W/23W/15W)
- CCT adjustable (3000K/3500K/4000K)
- Down lighting distribution adjustable (100%/90%/70%/50%/30%/10%)
- 0-10V dimming, dim to 10% or 1% options
- Up to 2700lm
- Up to 40' silicone rolling lens

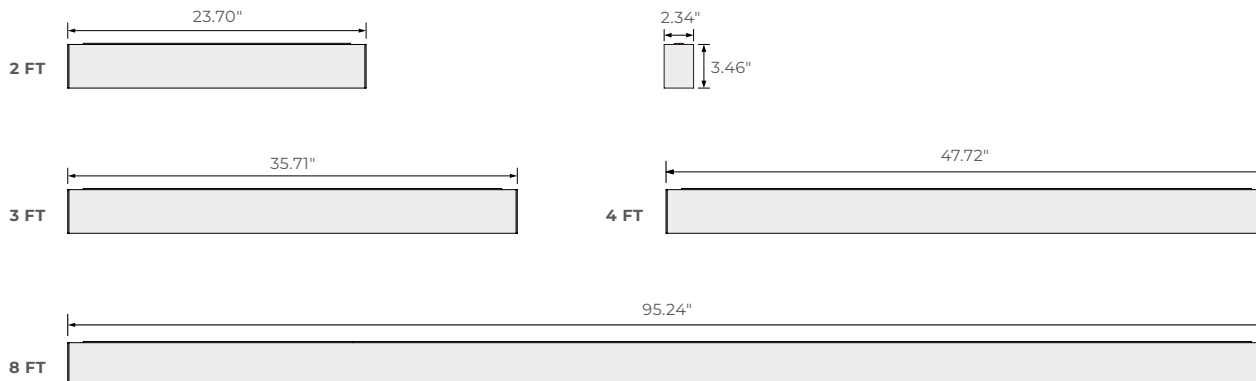
NOTES

- * Made To Order (16-20 Week Lead Time)
- * Some fixtures require an MOQ. Please contact your sales rep or SAGE Brands for more information.
- * Silicone rolling lens required for custom curve shapes with lit corners, it reduces brightness by 20% if using silicone rolling lens for the whole shape.

MOUNTING LOCATION



DIMENSIONS





MOUNTING

CANOPY STYLE

Available in Black & White



1.6" Round
(Non Power Feed)



4.5" Round
(Power Feed)



**4.5" Round with
Emergency Driver**
(Non Power Feed)



**5.8" Round with
Occupancy Driver**
(Power Feed)



1.6" Square
(Non Power Feed)



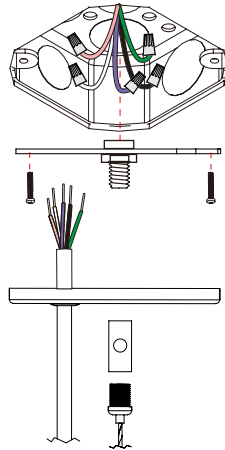
4.5" Square
(Power Feed)



**4.5" Square with
Emergency Driver**
(Non Power Feed)

DRY CEILING

"Various Hard Ceilings" (Mount to J-Box)



DROP CEILING

Suspending the luminaire in the T-grid. Compatible for various T-grid, including 9/16" Flat, 9/16" Slot, 15/16" Flat.



* Please see the installation instruction for more details.



9/16" Flat Ceiling



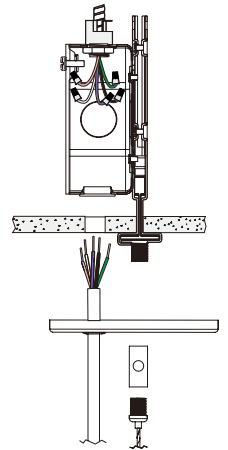
15/16" Flat Ceiling



9/16" Slot Ceiling



15/16" Slot Ceiling



PENDANT ACCESSORIES FOR DRY CEILING

CANOPY KITS



POWER CORD KITS



4 FT Standard
(12 FT Available)

AIRCRAFT CABLE KITS



5 FT Standard
(12 FT Available)

PENDANT ACCESSORIES FOR DROP CEILING

CANOPY KITS



JUNCTION BOX



POWER CORD KITS



4 FT Standard
(12 FT Available)

AIRCRAFT CABLE KITS



5 FT Standard
(12 FT Available)

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)



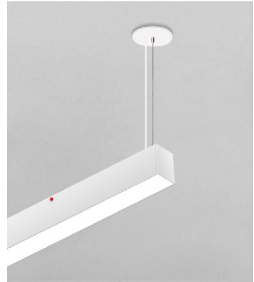


EMERGENCY OPTION

UL & CEC Listed LED emergency drivers. They can be factory installed or field installed. When AC power fails it, immediately switches to the emergency mode operating lighting minimum 90 minutes. When AC power is restored it, automatically returns to the charging mode which meets critical life-safety lighting requirements.

EM8-I 8W Integral Emergency Battery

LED luminaire with built-in 8w LED emergency driver to provide critical illumination when normal power fails for any reason. It can save your labor cost with simple wiring.



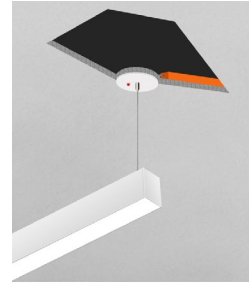
SPECIFICATION FOR LED EMERGENCY DRIVER

Output Power	8 Watts
Output Voltage	15-54V DC
Input Current	70 mA (Max)
Input Power	3.2 Watts (Max)
Input Voltage	110-277VAC, 50-60Hz
Emergency Operation	≥90 minutes
Standby Power	<0.4W
Operating Temp	-32°F to 122°F (0°C to 50°C)
Battery	Lithium
Recharge	24 Hrs
Certificate	UL , CEC

EM8-EC/EM25-EC

8W or 25W External Emergency Battery

Optional 8w or 25w high voltage LED emergency driver can be provided if you need and do wiring in field.



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



OS-P

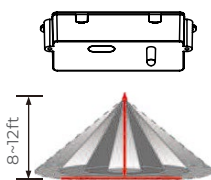
Integral Occupancy Sensor

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.

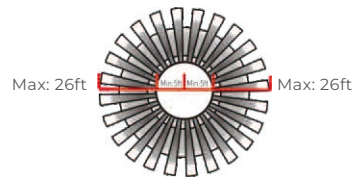
SPECIFICATION

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 to 158°F (-40°C to 70°C)

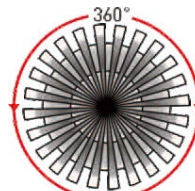
SENSOR COVERAGE



Height of installation 8~12ft



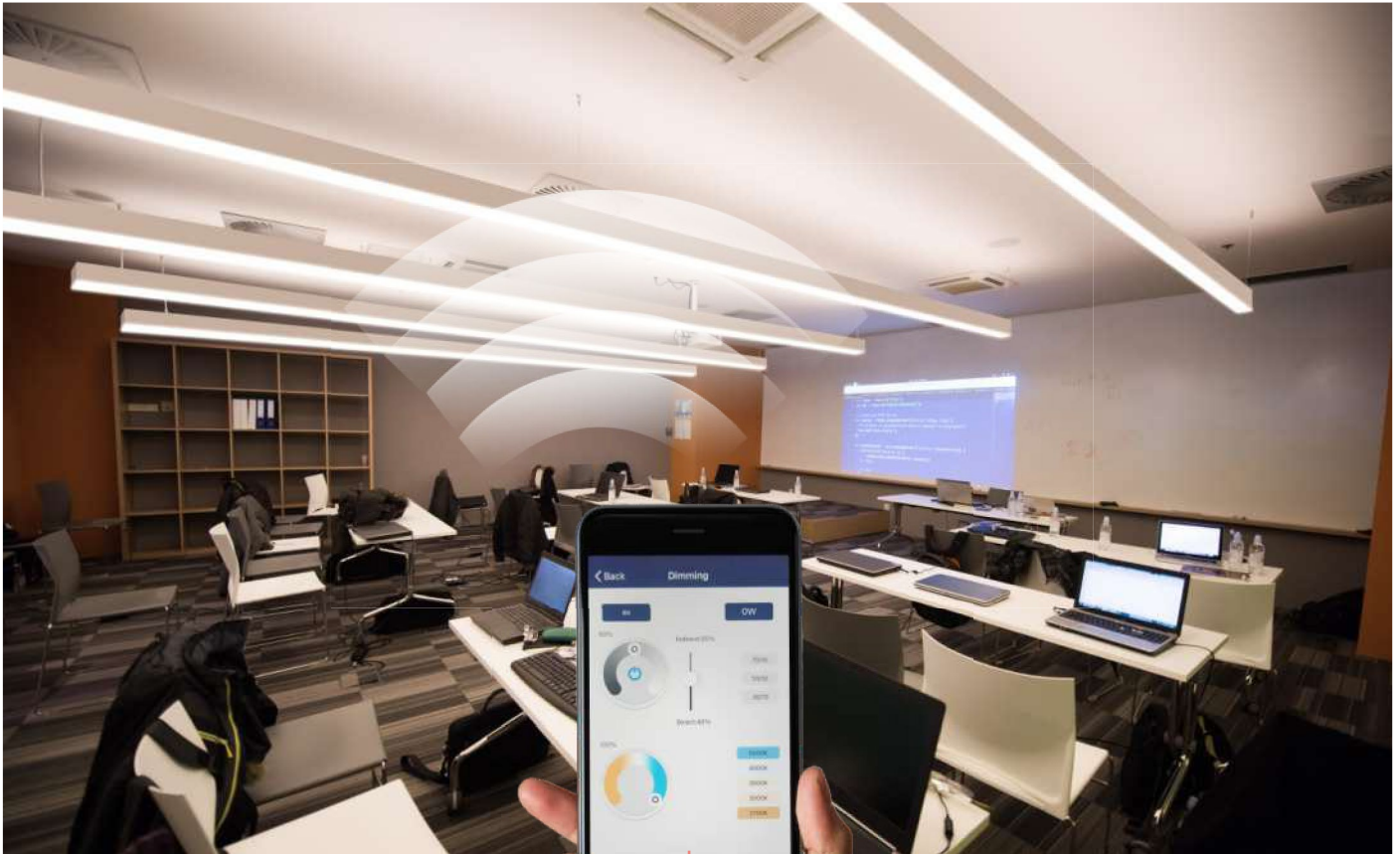
(Height of installation 8ft)
Detection Range



Detection Angle



SMART CONTROL



SMART CONTROL

KELVIN

BRIGHTNESS

LIGHTING DISTRIBUTION

**SMART CONTROL BY
APP OR WALL SWITCH**

Tunable White
2700K-5000K

Brightness Control
Dim to OFF

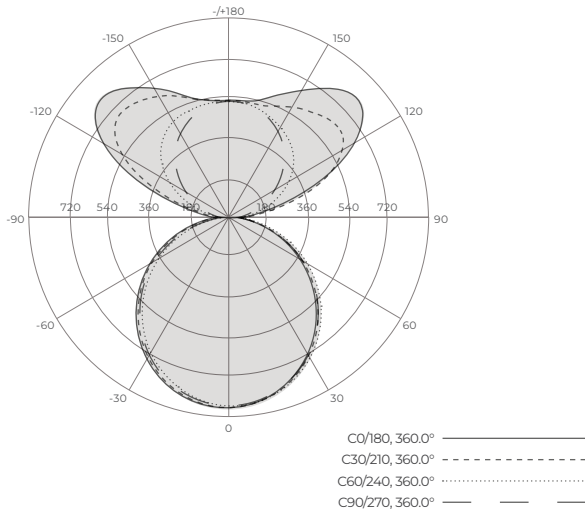
Lighting Distribution
Direct And Indirect 0%-100%





PHOTOMETRICS - 4' - Diffuser - 4000K - 50% Indirect/50% Direct Distribution

AVERAGE BEAM ANGLE (50%): 360.0°



ZONAL FLUX DIAGRAM

T	C0	C45	C90	C135	C180
10	844.1	849.1	835.1	821.8	851.1
20	792.8	807.2	788.8	762.5	807.4
30	716.2	737.2	715.9	677.7	735.6
40	616.1	644.0	619.9	572.8	639.9
50	499.2	530.9	505.0	451.3	525.8
60	365.3	402.1	374.7	315.6	395.8
70	224.4	260.6	232.0	174.7	254.3
80	90.07	120.5	95.53	51.77	117.0
90	39.69	49.44	5.334	21.91	41.89
100	151.2	163.7	51.22	102.9	136.5
110	384.4	328.2	131.1	278.8	362.9
120	647.4	443.0	219.3	441.8	634.5
130	787.6	497.4	305.2	530.7	775.5
140	758.4	518.4	382.3	561.8	757.7
150	663.4	517.6	443.7	564.1	675.3
160	581.3	514.0	489.8	540.6	586.6
170	534.3	524.9	518.7	530.1	537.2
180	529.9	529.8	529.8	529.8	529.9
DEG	LUMINOUS INTENSITY: cd				

ZONAL LUMEN SUMMARY

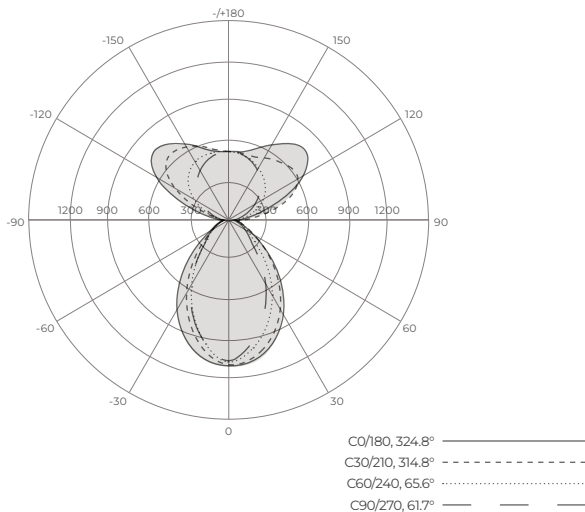
T	Φ TOTAL
0-10	80.98
10-20	312.7
20-30	663.4
30-40	1086
40-50	1525
50-60	1924
60-70	2230
70-80	2408
80-90	2466
90-100	2533
100-110	2730
110-120	3081
120-130	3517
130-140	3940
140-150	4287
150-160	4539
160-170	4689
170-180	4739
UNIT: lm	

Luminance cd/(m2)

G (DEG)	C0/180	C90/270
85	5888	6535
80	7204	7641
75	8283	8654
70	9112	9422
65	9708	10024
60	10148	10409
55	10512	10690
50	10787	10912
45	10988	11085

PHOTOMETRICS - 4' - Louver - 4000K - 50% Indirect/50% Direct Distribution

AVERAGE BEAM ANGLE (50%): 191.7°



ZONAL FLUX DIAGRAM

T	C0	C45	C90	C135	C180
10	1080	1035	954.1	927.2	1072
20	979.0	906.2	768.3	723.1	961.9
30	812.0	730.3	548.8	499.4	787.4
40	591.3	522.4	316.4	290.5	560.6
50	351.7	316.7	194.1	152.0	319.5
60	160.0	176.7	126.5	85.60	138.9
70	83.27	105.6	73.47	38.44	73.07
80	32.44	53.30	31.05	2.405	25.50
90	29.54	66.04	1.446	0.4677	28.35
100	133.0	190.9	43.89	68.63	129.1
110	355.3	337.7	121.1	230.3	353.8
120	619.5	430.1	208.1	409.1	623.0
130	768.4	471.2	292.9	520.3	762.4
140	748.7	488.8	368.7	559.9	743.5
150	654.4	489.0	431.7	567.4	661.0
160	570.4	497.4	477.9	544.6	571.4
170	521.3	510.4	508.1	524.3	523.3
180	516.7	516.6	516.5	516.6	516.7
DEG	LUMINOUS INTENSITY: cd				

ZONAL LUMEN SUMMARY

T	Φ TOTAL
0-10	99.25
10-20	361.0
20-30	707.3
30-40	1047
40-50	1308
50-60	1483
60-70	1590
70-80	1647
80-90	1672
90-100	1734
100-110	1919
110-120	2252
120-130	2672
130-140	3082
140-150	3422
150-160	3669
160-170	3816
170-180	3866
UNIT: lm	

Luminance cd/(m2)

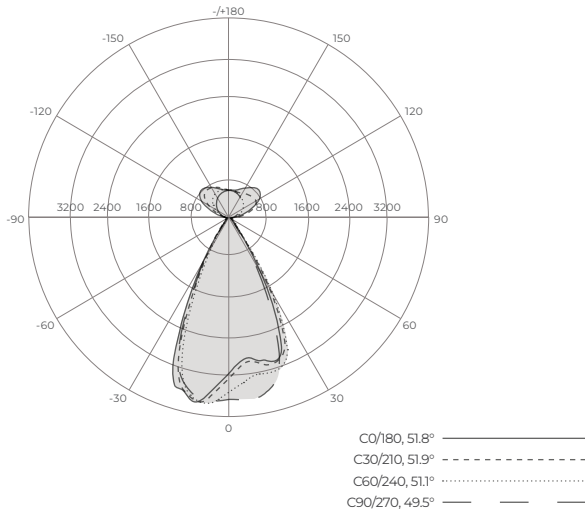
G (DEG)	C0/180	C90/270
85	2227	2085
80	2595	2483
75	2967	2740
70	3381	2983
65	3871	3236
60	4444	3513
55	5907	3834
50	7599	4195
45	9253	4620





PHOTOMETRICS - 4' - Micro Reflector - 4000K - 50% Indirect/50% Direct Distribution

AVERAGE BEAM ANGLE (50%): 51.1°



ZONAL FLUX DIAGRAM

T	C0	C45	C90	C135	C180
10	2880	3036	3634	3615	3745
20	2939	3141	2911	1757	3294
30	819.2	1675	767.6	84.95	1038
40	5.200	38.70	6.196	3.696	5.573
50	2.820	3.517	1.928	1.993	3.010
60	1.700	1.590	0.8656	1.277	1.783
70	1.244	0.8401	0.6042	0.9728	1.231
80	0.6716	0.5905	0.3831	0.7114	0.7084
90	30.98	71.66	0.2141	0.0995	29.17
100	142.1	225.0	44.13	62.52	127.1
110	372.9	363.9	121.7	217.7	351.7
120	635.7	442.3	209.3	395.6	622.1
130	775.0	475.8	294.3	511.7	761.3
140	747.9	487.4	371.4	557.4	744.0
150	655.7	488.6	438.3	571.1	664.9
160	575.3	503.6	486.8	554.1	577.9
170	529.8	517.2	519.4	534.1	531.5
180	526.1	525.7	525.2	525.2	526.1
DEG	LUMINOUS INTENSITY: cd				

ZONAL LUMEN SUMMARY

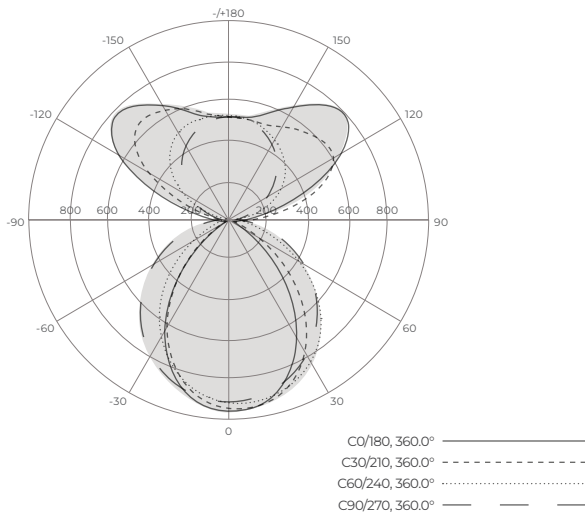
T	Φ TOTAL
0-10	328.5
10-20	1229
20-30	2096
30-40	2302
40-50	2307
50-60	2309
60-70	2310
70-80	2311
80-90	2320
90-100	2386
100-110	2576
110-120	2909
120-130	3327
130-140	3737
140-150	4079
150-160	4329
160-170	4480
170-180	4530
UNIT: lm	

Luminance cd/(m2)

G (DEG)	C0/180	C90/270
85	86	40
80	54	31
75	50	27
70	50	25
65	48	24
60	47	24
55	50	29
50	61	42
45	76	59

PHOTOMETRICS - 4' - Regressed Lens - 4000K - 50% Indirect/50% Direct Distribution

AVERAGE BEAM ANGLE (50%): 360.0°



ZONAL FLUX DIAGRAM

T	C0	C45	C90	C135	C180
10	928.1	938.5	901.8	838.4	921.2
20	829.8	899.4	855.9	712.6	814.6
30	663.4	806.8	781.9	546.8	643.6
40	442.7	657.8	682.4	347.7	418.9
50	204.9	466.2	560.3	143.4	181.6
60	27.77	244.0	420.8	10.84	16.86
70	2.630	47.83	268.2	1.816	2.600
80	1.065	1.703	117.4	0.7295	1.033
90	29.42	53.07	1.509	0.3989	28.29
100	132.9	190.9	44.10	68.59	129.0
110	355.1	337.7	121.5	230.3	353.6
120	619.3	430.1	208.7	409.3	622.8
130	768.2	471.2	293.6	520.7	762.1
140	748.5	488.9	369.4	560.2	743.3
150	654.2	489.1	432.2	567.7	660.9
160	570.3	497.3	478.0	544.8	571.3
170	521.2	510.3	508.1	524.4	523.2
180	516.6	516.4	516.4	516.4	516.6
DEG	LUMINOUS INTENSITY: cd				

ZONAL LUMEN SUMMARY

T	Φ TOTAL
5-10	87.59
15-20	334.1
25-30	691.8
35-40	1088
45-50	1441
55-60	1686
65-70	1815
75-80	1862
85-90	1875
95-100	1936
105-110	2122
115-120	2455
125-130	2876
135-140	3287
145-150	3627
155-160	3874
165-170	4021
175-180	4071
UNIT: lm	

Luminance cd/(m2)

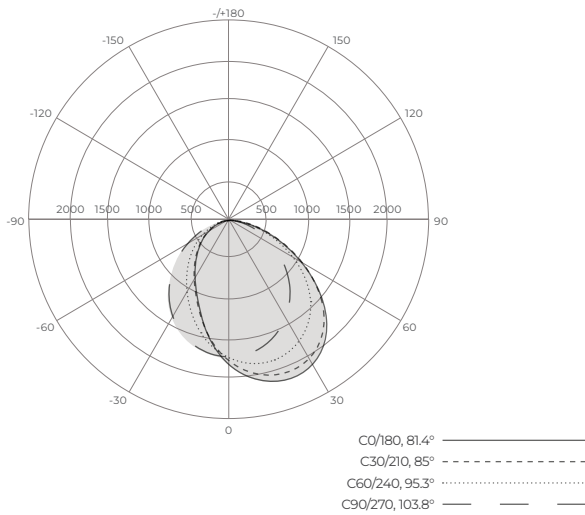
G (DEG)	C0/180	C90/270
85	119	7843
80	85	9390
75	92	10237
70	107	10891
65	135	11369
60	771	11690
55	2455	11935
50	4427	12107
45	6332	12253





PHOTOMETRICS - 4' - Diffuser Wall Wash - 4000K

AVERAGE BEAM ANGLE (50%): 91.4°



ZONAL FLUX DIAGRAM

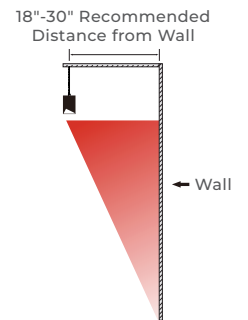
T	C0	C45	C90	C135	C180
10	2010	1892	1670	1472	1483
20	2106	1945	1568	1184	1126
30	2066	1891	1398	927.9	861.6
40	1860	1716	1174	715.0	661.5
50	1489	1408	904.0	528.6	494.0
60	1086	996.3	622.2	361.1	345.2
70	553.6	571.0	356.6	210.1	208.9
80	213.5	226.9	137.6	82.39	92.18
90	14.38	17.50	1.568	1.378	4.851
100	5.281	2.620	0.6399	0.9592	0.9344
110	1.389	0.8569	1.168	1.720	1.700
120	1.055	1.211	1.816	2.574	2.615
130	1.424	1.613	2.405	3.370	3.507
140	1.853	2.077	2.993	3.994	4.244
150	2.385	2.631	3.488	4.418	4.753
160	3.118	3.275	3.898	4.626	5.061
170	4.023	3.919	4.192	4.626	5.093
180	4.706	4.381	4.215	4.300	4.720
DEG	LUMINOUS INTENSITY: cd				

ZONAL LUMEN SUMMARY

T	Φ TOTAL
0-10	163.5
10-20	625.8
20-30	1318
30-40	2145
40-50	2988
50-60	3717
60-70	4233
70-80	4509
80-90	4586
90-100	4590
100-110	4591
110-120	4593
120-130	4595
130-140	4597
140-150	4599
150-160	4061
160-170	4062
170-180	4062
UNIT: lm	

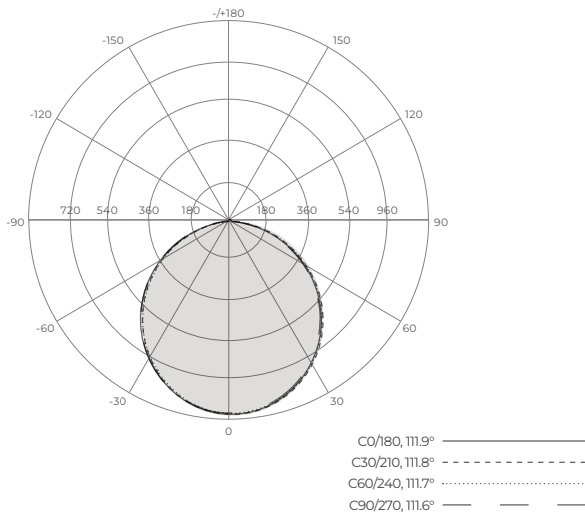
Luminance cd/(m2)

G (DEG)	C0/180	C90/270
85	14792	9050
80	17074	11003
75	19709	12753
70	22480	14479
65	25273	15947
60	28006	17283
55	30421	18643
50	32173	19532
45	33247	20509



PHOTOMETRICS - Curve Light - 4000K

AVERAGE BEAM ANGLE (50%): 111.7°



ZONAL FLUX DIAGRAM

T	C0	C45	C90	C135	C180
10	860.6	855.2	845.7	830.1	853.3
20	816.2	813.8	799.9	773.2	802.2
30	742.5	743.4	726.1	690.0	724.8
40	645.7	648.0	628.4	585.2	622.6
50	528.3	532.9	512.0	462.9	502.4
60	394.9	401.2	379.2	325.8	367.2
70	251.1	256.9	234.9	181.0	220.6
80	108.9	113.1	92.30	53.11	85.57
90	13.22	12.94	4.322	6.413	12.06
100	2.742	2.866	3.288	4.235	4.792
110	3.593	3.764	4.114	4.521	3.902
120	4.604	4.566	5.048	5.432	4.637
130	5.699	5.820	6.040	6.359	5.476
140	6.773	6.914	7.019	7.259	6.419
150	7.792	7.834	7.884	8.102	7.429
160	8.727	8.727	8.588	8.885	8.489
170	10.25	9.618	9.243	9.629	9.319
180	10.07	10.04	10.24	10.59	10.10
DEG	LUMINOUS INTENSITY: cd				

ZONAL LUMEN SUMMARY

T	Φ TOTAL
0-10	81.56
10-20	314.8
20-30	667.3
30-40	1091
40-50	1530
50-60	1926
60-70	2227
70-80	2398
80-90	2448
90-100	2454
100-110	2457
110-120	2461
120-130	2466
130-140	2470
140-150	2475
150-160	2478
160-170	2481
170-180	2482
UNIT: lm	

Luminance cd/(m2)

G (DEG)	C0/180	C90/270
85	11550	8095
80	12055	10222
75	13234	11956
70	14119	13207
65	14754	14018
60	15187	14585
55	15526	14989
50	15808	15318
45	16024	15572





SPECIFICATIONS

DISTRIBUTION

Direct Diffuser (110° beam angle), Regressed Lens (75° beam angle), Wall Wash (30-degree tilt), Louver (80° beam angle), or Micro Reflector (60° beam angle, UGR<15) options. Indirect batwing distribution (150° beam angle). Field selectable distribution by dip switch for pendant mounting includes: 100% Direct, 100% Indirect, 50% Indirect/50% Direct, 90% Indirect/10% Direct, 30% Indirect/70% Direct, 70% Indirect/30% Direct, 10% Indirect/90% Direct.

CONSTRUCTION

Extruded aluminum housing

FINISH

Powder coat white or black finish

ELECTRICAL

LED Driver: Class 2 high efficiency LED driver with 0-10V to 1% or 1-10V to 10% that works with many types of controls. Compatible with the following types of controls:

- Leviton IP710-DL
- Lutron Diva-Dvtv

THD: <20%

Power Factor: >0.9

Input Voltage: 110-277V

MOUNTING

Pendant

LED SYSTEM

CRI: Minimum 80 color rendering index.

CCT: Field selectable CCT by dip switch 3000K, 3500K, and 4000K.

LED: Rated life is 50,000 hours with 87.8% of lumen maintenance in 25°C ambient temperature, in compliance with IES LM-80 testing measurements.

APPROVALS

- cULus listed for damp locations
- 5 years limited warranty

OPTIONAL FUNCTION

Emergency Option: Optional 110-277V emergency LED driver for lighting up to 120 minutes in event of power failure, meets critical life-safety lighting requirements.

Field selectable wattage by dip switch adjusts wattage to 100%, 75%, and 50%.

Occupancy Sensor: factory-installed integrated sensor for multi-level control based on motion and/or daylight with BRI810-B-D from Sharkward

ENERGY CHART

LENS	SIZE	DELIVERED LUMENS (50% Indirect, 50% Direct)	EFFICACY (50% Indirect, 50% Direct)	DELIVERED LUMENS (100% Direct)	EFFICACY (100% Direct)	WATTAGE
Diffuser	2	Up to 2400	1200 lm/ft	Up to 2100	1050 lm/ft	10W / 15W / 20W
	3	Up to 3600	1200 lm/ft	Up to 3150	1050 lm/ft	15W / 23W / 30W
	4	Up to 4800	1200 lm/ft	Up to 4200	1050 lm/ft	20W / 30W / 40W
	8	Up to 9600	1200 lm/ft	Up to 8400	1050 lm/ft	40W / 60W / 80W
Louver	2	Up to 1900	950 lm/ft	Up to 1300	650 lm/ft	10W / 15W / 20W
	3	Up to 2850	950 lm/ft	Up to 1950	650 lm/ft	15W / 23W / 30W
	4	Up to 3800	950 lm/ft	Up to 2600	650 lm/ft	20W / 30W / 40W
	8	Up to 7600	950 lm/ft	Up to 5200	650 lm/ft	40W / 60W / 80W
Regressed	2	Up to 2200	1100 lm/ft	Up to 1800	900 lm/ft	10W / 15W / 20W
	3	Up to 3300	1100 lm/ft	Up to 2700	900 lm/ft	15W / 23W / 30W
	4	Up to 4400	1100 lm/ft	Up to 3600	900 lm/ft	20W / 30W / 40W
	8	Up to 8800	1100 lm/ft	Up to 7200	900 lm/ft	40W / 60W / 80W
Micro Reflector	2	Up to 2300	1150 lm/ft	Up to 1800	900 lm/ft	10W / 15W / 20W
	3	Up to 3450	1150 lm/ft	Up to 2700	900 lm/ft	15W / 23W / 30W
	4	Up to 4600	1150 lm/ft	Up to 3600	900 lm/ft	20W / 30W / 40W
	8	Up to 9600	1150 lm/ft	Up to 7200	900 lm/ft	40W / 60W / 80W

