



ASCENT

ARCHITECTURAL LIGHTING

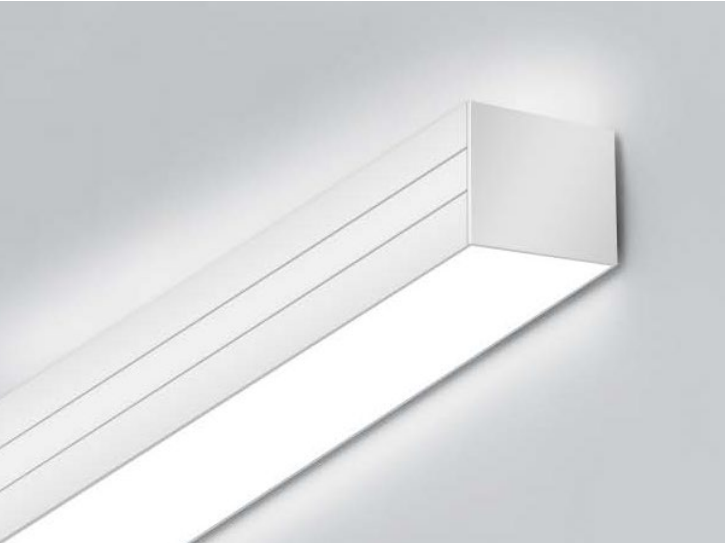
PROJECT

DATE

COMMENTS



IN STOCK



ENERGY CHART — 100% DIRECT

LENS	SIZE	DELIVERED LUMENS (100% Direct)	WATTAGE	EFFICACY
Diffuser	2	1100 / 1650 / 2200	10W / 15W / 20W	110
	3	1650 / 2530 / 3300	15W / 23W / 30W	110
	4	2200 / 3300 / 4400	20W / 30W / 40W	110
	8	4400 / 6600 / 8800	40W / 60W / 80W	110
Regressed	2	900 / 1350 / 1800	10W / 15W / 20W	90
	3	1350 / 2070 / 2700	15W / 23W / 30W	90
	4	1800 / 2700 / 3600	20W / 30W / 40W	90
	8	3600 / 5400 / 7200	40W / 60W / 80W	90

ENERGY CHART — 50% DIRECT/50% INDIRECT

LENS	SIZE	DELIVERED LUMENS (50% Indirect, 50% Direct)	WATTAGE	EFFICACY
Diffuser	2	1200 / 1800 / 2400	10W / 15W / 20W	120
	3	1800 / 2760 / 3600	15W / 23W / 30W	120
	4	2400 / 3600 / 4800	20W / 30W / 40W	120
	8	4800 / 7200 / 9600	40W / 60W / 80W	120
Regressed	2	1000 / 1500 / 2000	10W / 15W / 20W	100
	3	1500 / 2300 / 3000	15W / 23W / 30W	100
	4	2000 / 3000 / 4000	20W / 30W / 40W	100
	8	4000 / 6000 / 8000	40W / 60W / 80W	100

SUMMIT 38 W 3.8" ARCHITECTURAL LINEAR WALL LED

Summit 3.8 is a sleek, architectural linear LED luminaire that blends modern aesthetics with high-performance illumination. Designed for wall mounting, Summit 3.8 W is available in 2', 3', 4', and 8' lengths, with the ability to connect for continuous runs up to 40'. Field-selectable wattage, color temperature, and distribution provide unmatched versatility and on-site customization. Rated for damp locations, it's ideal for a wide range of applications.

- Commercial Office
- Classrooms
- Civic & Transportation

PHYSICAL

Material	Extruded Aluminum
Mounting	Wall
Optics	Diffuser, Regressed
Finish	Black, White

PERFORMANCE

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

ELECTRICAL

Wattage	Field Selectable: 10/15/20W, 15/23/30W, 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-38-W-2-FS2-UNV-FS-80-D10-DF-FS7-BK

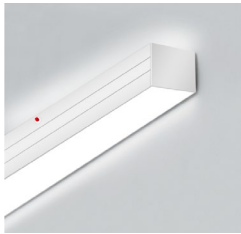
FAMILY	SIZE	MOUNTING	LENGTH	WATTAGE	VOLTAGE	CCT	CRI	DIMMING
SUMMIT	38	W			UNV	FS		
	38 3.8"	W Wall	2 2'	FS2 Field Selectable 10W / 15W / 20W	UNV 110-277V	FS Field Selectable 3000K / 3500K / 4000K	80 80 CRI	D10 Dim to 10%
			3 3'	FS3 Field Selectable 15W / 23W / 30W			90* 90 CRI	D01 Dim to 1%
			4 4'	FS4 Field Selectable 20W / 30W / 40W				
			8 8'	FS8 Field Selectable 40W / 60W / 80W				
LENS TYPE		DISTRIBUTION			FINISH		ORDERING NOTES * Made To Order (6-8 Week Lead Time for 90 CRI)	
DF	Diffuser	FS7	Field Selectable		BK	Black		
RL	Regressed Lens		100% Direct, 100% Indirect, 50% Indirect/50% Direct, 90% Indirect/10% Direct, 30% Indirect/70% Direct, 70% Indirect/30% Direct, 10% Indirect/ 90% Direct		WH	White		
		D	100% Direct					

ACCESSORIES ORDERING LOGIC (ORDER SEPARATELY)

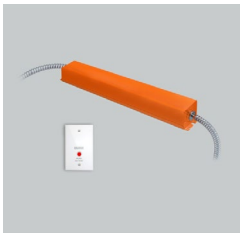
EX: SUMMIT-38-EM8-E

FAMILY	ACCESSORIES	ORDERING NOTES
SUMMIT-38		* Made To Order (14-16 Week Lead Time for accessories)
EM8-I	8W Internal Emergency Battery BUILT-IN INDICATOR (4' & 8' ONLY)	
EM8-E	8W External Emergency Battery WALL/CEILING PLATE INDICATOR (6' MAXIMUM RUN)	
EM25-E	25W External Emergency Battery WALL/CEILING PLATE INDICATOR (20' MAXIMUM RUN)	
SJ	Straight Line Joiner	
40RL-DF	Seamless Diffuser, 40' Roll FOR CONTINUOUS RUNS	
40RL-RL	Seamless Regressed Lens, 40' Roll FOR CONTINUOUS RUNS	
SMK	Surface Mount Kit COMES STANDARD	

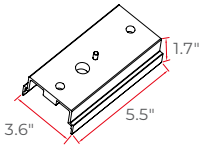
ACCESSORIES



EM8-I
8W Integral Emergency Battery (Built-in Indicator; 4' & 8' Only)



EM8-E/EM25-E
8W or 25W External Emergency Battery (Wall/Ceiling Plate Indicator)



SJ
Straight Line Joiner



40RL-DF & 40RL-RL
Seamless Diffuser/ Regressed Lens, 40' Roll



SMK
Surface Mount Kit (Comes Standard)





SPECIFICATIONS

OPTICS

100% direct distribution. 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

Wall

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

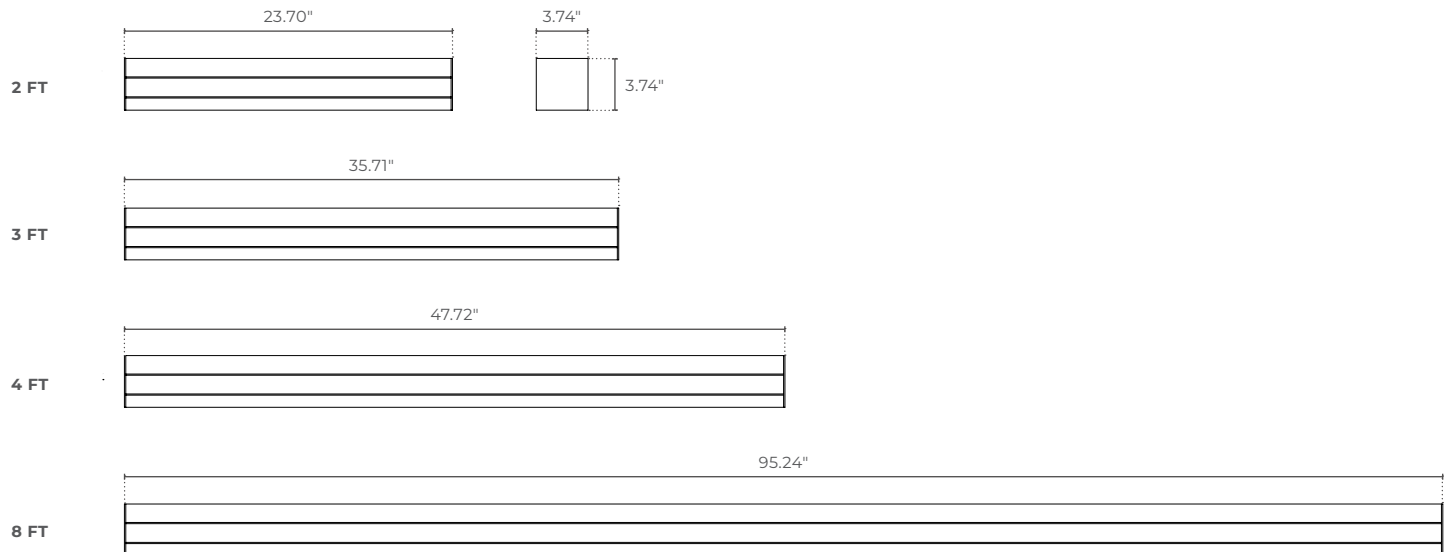
- cULus listed for damp locations
- 5 years limited warranty

OPTIONAL FUNCTION

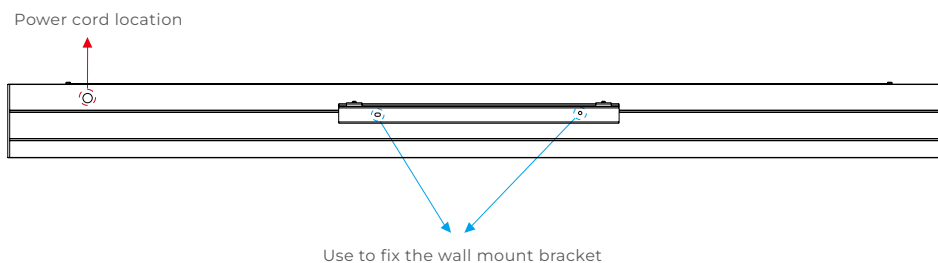
Emergency Option: Optional 110-277V emergency LED driver for lighting up to 120 minutes in event of power failure, meets critical life-safety lighting requirements.

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

DIMENSIONS



MOUNTING LOCATION



CONTINUOUS RUNS

STANDARD LINE RUNS IN 120V

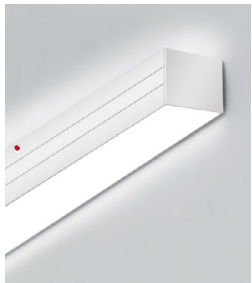
LUMINAIRE RUN LENGTH feet	RUN CONFIGURATION	LINE JOINER
2	2'	-
4	4'	-
6	4'+2'	1
8	8'	-
10	8'+2'	1
12	8'+4'	1
14	8'+4'+2'	2
16	8'+8'	1
18	8'+8'+2'	2
20	8'+8'+4'	2
22	8'+8'+4'+2'	3
24	8'+8'+8'	2
26	8'+8'+8'+2'	3
28	8'+8'+8'+4'	3
30	8'+8'+8'+4'+2'	4
32	8'+8'+8'+8'	3
34	8'+8'+8'+8'+2'	4
36	8'+8'+8'+8'+4'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

EMERGENCY OPTION

Ascent Architectural Lighting offers UL & CEC Listed LED emergency drivers. They could be factory installed or field installed. 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.

EM8-I
8W Integral Emergency Battery

Ascent Architectural Lighting offers the 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.



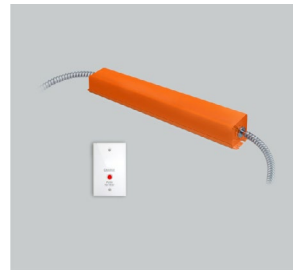
SPECIFICATION FOR LED EMERGENCY DRIVER

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-E/EM25-E

8W or 25W External Emergency Battery

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 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

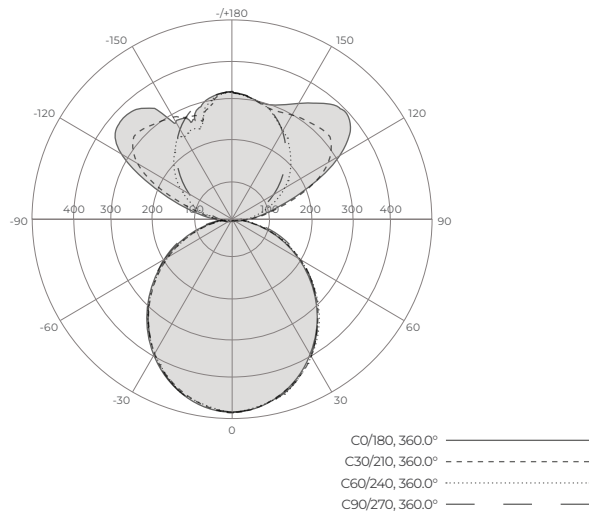
It will automatically perform a test every 30 days with a duration of 3 seconds, in which the wiring and battery output are checked. In case of a failure or an error, the indicator LED will be off or flicker.





PHOTOMETRICS - 2' - Diffuser Lens - 3500K - 50% Indirect/50% Direct Distribution

AVERAGE BEAM ANGLE (50%): 360.0°



Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	3219	5692
80	4464	5640
75	5324	5651
70	5931	6242
65	6413	6642
60	6746	6958
55	7009	7180
50	7227	7400
45	7422	7630

ZONAL FLUX DIAGRAM

T	C0	C45	C90	C135	C180
5°	480.0	476.3	475.6	476.2	479.9
10°	471.7	467.1	468.3	467.1	471.4
15°	458.1	455.4	461.1	455.4	457.7
20°	439.9	441.7	440.2	441.7	439.4
25°	417.5	417.6	419.2	418.0	416.9
30°	391.8	391.0	398.3	391.9	390.9
35°	363.0	363.6	368.0	365.3	362.0
40°	332.1	334.9	337.8	337.3	330.9
45°	299.2	299.6	307.5	302.5	297.9
50°	264.8	264.9	271.1	266.9	261.4
55°	229.1	230.5	234.7	229.9	225.7
60°	192.3	191.6	198.3	186.2	189.0
65°	154.5	153.7	160.0	144.2	151.5
70°	115.6	116.0	121.7	105.9	113.7
75°	78.55	78.56	83.37	71.61	76.61
80°	44.19	44.90	55.82	40.99	42.31
85°	15.99	28.09	28.28	21.25	14.41
90°	15.22	11.90	0.7287	2.242	12.51
95°	35.04	33.20	12.77	23.78	37.18
100°	60.69	54.28	24.80	45.12	64.58
105°	99.67	93.03	36.84	82.14	106.0
110°	158.5	132.5	60.57	120.4	165.6
115°	227.6	168.8	84.29	158.5	234.9
120°	299.8	200.0	108.0	193.0	306.6
125°	356.5	225.4	134.4	221.7	357.3
130°	387.1	241.2	160.9	239.8	372.3
135°	393.9	254.1	187.3	254.6	373.5
140°	381.2	265.5	210.7	267.3	365.7
145°	359.2	269.4	234.1	271.3	343.0
150°	339.3	273.3	257.4	274.3	281.6
155°	320.4	279.9	272.5	279.5	283.2
160°	307.7	289.3	287.6	288.6	266.4
165°	304.0	297.1	302.7	296.4	296.3
170°	309.1	306.7	308.3	306.0	312.3
175°	317.2	314.2	313.8	314.1	320.0
180°	319.4	319.4	319.4	319.4	322.4
DEG	LUMINOUS INTENSITY: cd				

ZONAL LUMEN
SUMMARY

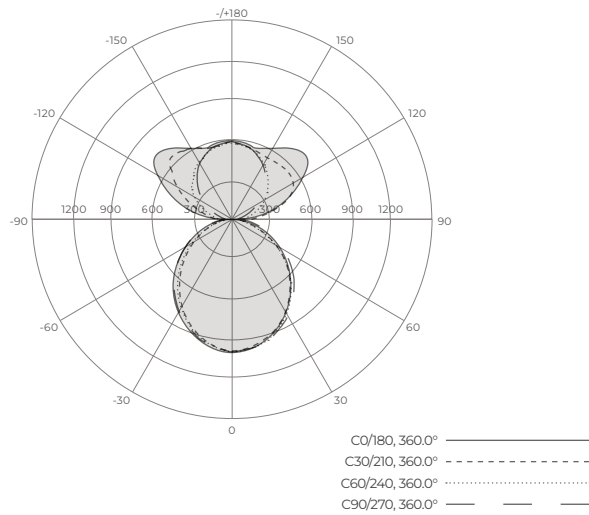
T	Φ TOTAL
0-5	11.45
5-10	45.19
10-15	99.93
15-20	173.6
20-25	263.1
25-30	365.1
30-35	476.2
35-40	592.0
40-45	708.9
45-50	822.9
50-55	929.9
55-60	1026
60-65	1109
65-70	1176
70-75	1225
75-80	1257
80-85	1275
85-90	1283
90-95	1293
95-100	1312
100-105	1344
105-110	1395
110-115	1465
115-120	1555
120-125	1657
125-130	1766
130-135	1874
135-140	1976
140-145	2069
145-150	2152
150-155	2224
155-160	2284
160-165	2332
165-170	2367
170-175	2390
175-180	2397
UNIT: lm	





PHOTOMETRICS - 4' - Diffuser Lens - 3500K - 50% Indirect/50% Direct Distribution

AVERAGE BEAM ANGLE (50%): 360.0°



Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	4134	6472
80	5140	6321
75	5942	6302
70	6484	6860
65	6878	7244
60	7174	7554
55	7415	7731
50	7615	7921
45	7797	8131

ZONAL FLUX DIAGRAM

T	C0	C45	C90	C135	C180
5°	1001	995.5	994.1	993.2	997.5
10°	985.9	979.4	982.7	976.1	978.0
15°	959.5	957.4	971.4	954.2	948.0
20°	922.8	930.4	930.2	928.7	908.6
25°	877.6	881.1	889.1	881.4	860.7
30°	824.9	825.2	847.9	828.4	805.8
35°	766.0	767.4	785.6	774.5	744.9
40°	702.0	705.4	723.4	715.9	679.5
45°	634.0	626.7	661.2	626.9	610.3
50°	562.9	547.9	585.6	529.5	537.9
55°	489.1	468.4	509.9	436.6	462.9
60°	412.5	375.5	434.3	356.4	385.9
65°	334.3	283.5	352.1	288.2	307.2
70°	255.0	196.2	269.8	229.0	226.0
75°	176.9	116.2	187.6	174.8	149.1
80°	102.6	50.45	126.2	123.9	79.05
85°	41.43	51.97	64.87	78.05	24.44
90°	39.66	55.80	3.506	33.07	18.92
95°	78.44	118.6	25.48	37.75	58.94
100°	134.8	178.6	47.45	43.61	93.80
105°	222.7	247.3	69.43	98.71	179.3
110°	345.7	310.6	113.6	166.4	288.0
115°	481.7	359.1	157.7	257.7	439.9
120°	610.5	395.5	201.8	362.8	579.1
125°	697.6	426.6	250.0	459.6	701.3
130°	736.0	446.3	298.1	529.3	799.8
135°	728.7	463.7	346.3	577.7	830.5
140°	693.0	480.9	387.2	608.6	814.5
145°	653.3	492.5	428.2	609.9	767.4
150°	618.0	508.6	469.1	602.6	711.4
155°	586.7	530.3	496.6	592.2	654.0
160°	566.5	551.7	524.1	581.7	608.0
165°	563.9	559.8	551.5	565.4	580.4
170°	572.6	567.6	561.7	563.1	572.6
175°	579.6	575.3	572.0	572.0	580.0
180°	582.2	582.2	582.2	582.2	584.4
DEG	LUMINOUS INTENSITY: cd				

ZONAL LUMEN
SUMMARY

T	Φ TOTAL
0-5	23.83
5-10	94.07
10-15	208.0
15-20	361.3
20-25	547.5
25-30	760.0
30-35	991.2
35-40	1233
40-45	1476
45-50	1712
50-55	1932
55-60	2129
60-65	2298
65-70	2434
70-75	2535
75-80	2603
80-85	2649
85-90	2678
90-95	2707
95-100	2752
100-105	2820
105-110	2918
110-115	3052
115-120	3217
120-125	3409
125-130	3617
130-135	3827
135-140	4028
140-145	4213
145-150	4378
150-155	4519
155-160	4636
160-165	4728
165-170	4794
170-175	4835
175-180	4849
UNIT: lm	

