



ASCENT

ARCHITECTURAL LIGHTING

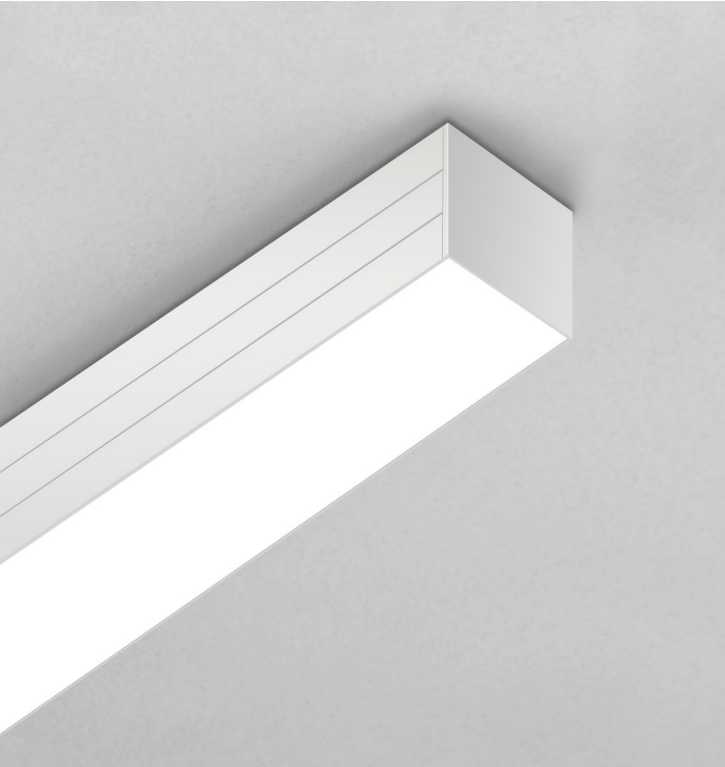
PROJECT

DATE

COMMENTS



IN STOCK



SUMMIT 38 S 3.8" ARCHITECTURAL LINEAR SURFACE LED

Summit 3.8 is a sleek, architectural linear LED luminaire that combines modern aesthetics with high-performance illumination. Designed for surface mounting, Summit 3.8 S delivers 100% direct distribution for clean, effective lighting in any space. Available in 2', 3', 4', and 8' lengths, Summit 3.8 S can be connected for continuous runs up to 40' or configured into geometric shapes using illuminated corners. Rated for damp locations, it's suitable for a wide range of environments. With field-selectable wattage and color temperature, Summit 3.8 S offers unmatched versatility and on-site customization.

- Commercial Office
- Classrooms
- Civic & Transportation

PHYSICAL

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

PERFORMANCE

Warranty	5 years
Certifications	Damp Location, cULus, UL, CUL
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

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 / 6000 / 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	40 / 60W / 80W	90

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-S-2-FS2-UNV-FS-80-D10-DF-D-BK

FAMILY	SIZE	MOUNTING	LENGTH	WATTAGE	VOLTAGE	CCT	CRI	DIMMING
SUMMIT	38	S			UNV	FS		
	38	3.8"	S Surface	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		
		D				* Made To Order (6-8 Week Lead Time for 90 CRI)		
DF	Diffuser	D	100% Direct	BK	Black			
RL	Regressed Lens			WH	White			

ACCESSORIES ORDERING LOGIC (ORDER SEPARATELY)

EX: SUMMIT-38-EM8-I

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)	SJ Straight Line Joiner
EM8-E	8W External Emergency Battery WALL/CEILING PLATE INDICATOR (6' MAXIMUM RUN)	LJ Lit Corner Joiner
EM25-E	25W External Emergency Battery WALL/CEILING PLATE INDICATOR (20' MAXIMUM RUN)	40RL-DF Seamless Diffuser, 40' Roll FOR CONTINUOUS RUNS
OS-S*	Occupancy Sensor FIELD INSTALLED MODULE	40RL-RL Seamless Regressed Lens, 40' Roll FOR CONTINUOUS RUNS
		SMK Surface Mount Kit COMES STANDARD

ACCESSORIES



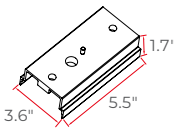
EM8-I
8W Integral Emergency Battery (Built-in Indicator; 4' & 8' Only)



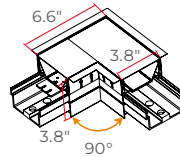
EM8-E/EM25-E
8W or 25W External Emergency Battery (Wall/Ceiling Plate Indicator)



OS-S
Occupancy Sensor (Field Installed Module)



SJ
Straight Line Joiner



LJ
Lit Corner Joiner



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



SMK
Surface Mount Kit (Comes Standard)





SPECIFICATIONS

DISTRIBUTION

100% direct distribution

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

Surface

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

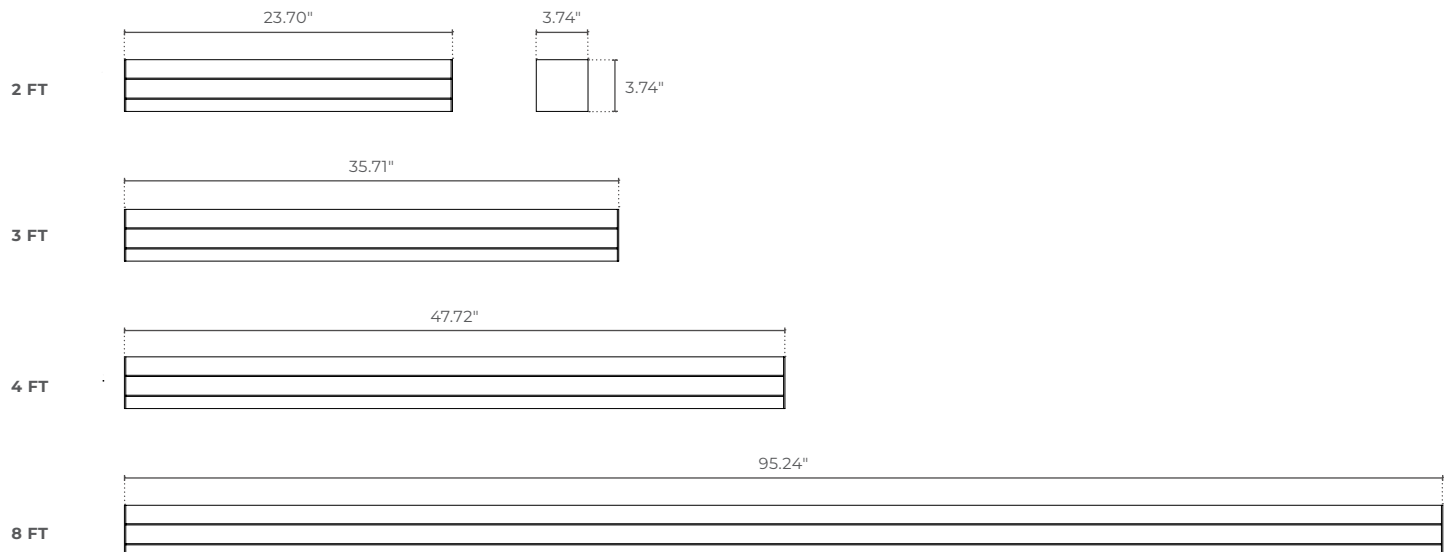
- cULus listed for damp locations
- 5 years limited warranty

OPTIONAL FUNCTION

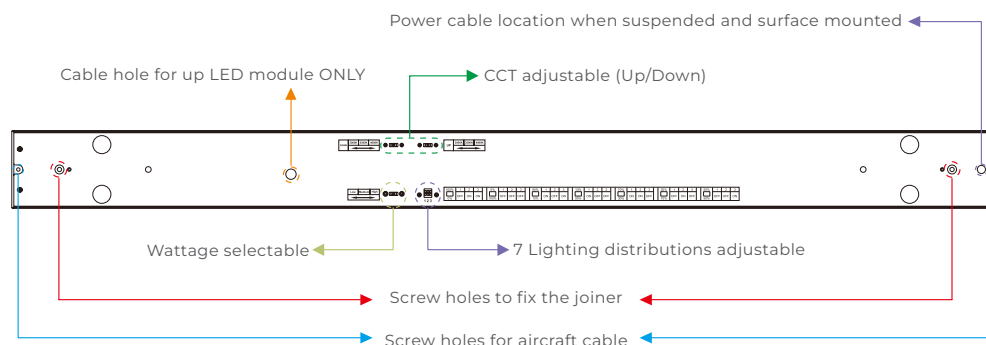
Emergency Option: Optional 110-277V emergency LED driver for lighting up to 120 minutes in event of power failure, meets critical life-safety lighting requirements.

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

DIMENSIONS



MOUNTING LOCATION





CONTINUOUS RUNS

STANDARD LINE RUNS IN 120V

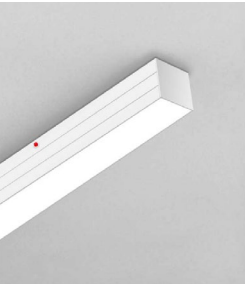
LUMINAIRE RUN LENGTH feet	RUN CONFIGURATION	LINE JOINER
2	2'	-
4	4'	-
6	4'+2'	1
8	8'	-
10	8'+2'	1
12	8'+4'	1
14	8'+4'+2'	2
16	8'+8'	1
18	8'+8'+2'	2
20	8'+8'+4'	2
22	8'+8'+4'+2'	3
24	8'+8'+8'	2
26	8'+8'+8'+2'	3
28	8'+8'+8'+4'	3
30	8'+8'+8'+4'+2'	4
32	8'+8'+8'+8'	3
34	8'+8'+8'+8'+2'	4
36	8'+8'+8'+8'+4'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

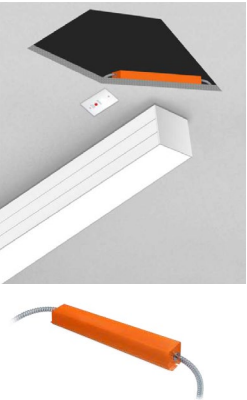


SPECIFICATION FOR LED EMERGENCY DRIVER

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.

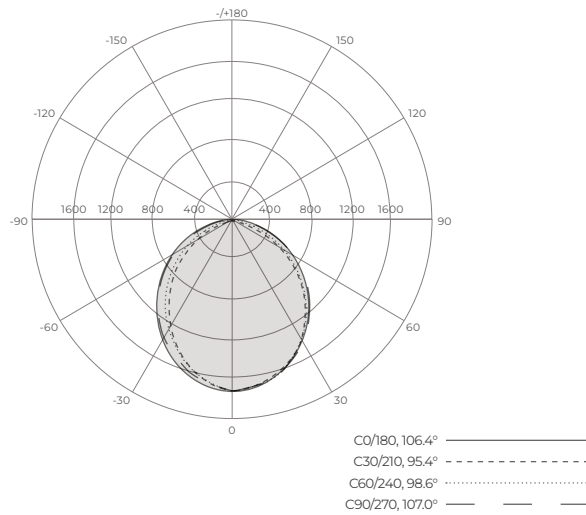
Monthly Self-Test
It will automatically perform a test every 30 days with a duration of 3 seconds, in which the wiring and battery output are checked. In case of a failure or an error, the indicator LED will be off or flicker.





PHOTOMETRICS - 4' - Diffuser Lens - 4000K - 100% Direct Distribution

AVERAGE BEAM ANGLE (50%): 101.8°



Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	6701	10147
80	8688	9980
75	10052	9975
70	11029	11089
65	11724	11840
60	12254	12430
55	12681	12815
50	13038	13202
45	13358	13607

ZONAL FLUX DIAGRAM

T	C0	C45	C90	C135	C180
5°	1722	1709	1706	1706	1717
10°	1695	1677	1682	1675	1684
15°	1649	1636	1658	1635	1633
20°	1585	1586	1584	1590	1565
25°	1506	1493	1510	1512	1484
30°	1416	1387	1436	1427	1389
35°	1314	1275	1326	1342	1285
40°	1203	1156	1216	1249	1173
45°	1086	1014	1106	1091	1054
50°	963.8	871.8	975.9	918.6	929.4
55°	836.5	728.6	845.3	758.1	800.3
60°	704.6	572.0	714.7	619.5	667.5
65°	569.8	418.6	575.4	499.1	532.1
70°	433.8	276.3	436.2	396.8	395.5
75°	299.2	151.4	296.9	306.5	259.8
80°	173.5	46.97	199.3	221.0	138.4
85°	67.17	24.98	101.7	141.2	42.14
90°	4.654	5.485	4.104	62.49	68.39
95°	1.536	5.339	4.131	35.95	0.5650
100°	1.517	5.168	4.158	9.947	0.6159
105°	1.447	4.856	4.186	6.647	0.8541
110°	1.527	4.510	4.608	7.029	1.120
115°	1.756	4.298	5.031	6.921	1.423
120°	2.026	4.097	5.454	6.481	1.648
125°	2.316	3.844	5.632	6.146	1.937
130°	2.260	3.626	5.810	5.352	2.180
135°	2.578	3.737	5.988	4.750	2.455
140°	2.914	4.015	5.998	4.398	2.693
145°	3.184	4.449	6.008	4.322	2.908
150°	3.413	4.788	6.017	4.397	3.132
155°	3.684	4.857	5.831	4.608	3.342
160°	3.880	5.161	5.644	4.747	3.501
165°	4.043	5.122	5.458	4.799	3.655
170°	4.201	4.855	5.089	4.749	3.763
175°	4.272	4.593	4.720	4.531	3.879
180°	4.351	4.351	4.351	4.351	3.912
DEG	LUMINOUS INTENSITY: cd				

ZONAL LUMEN
SUMMARY

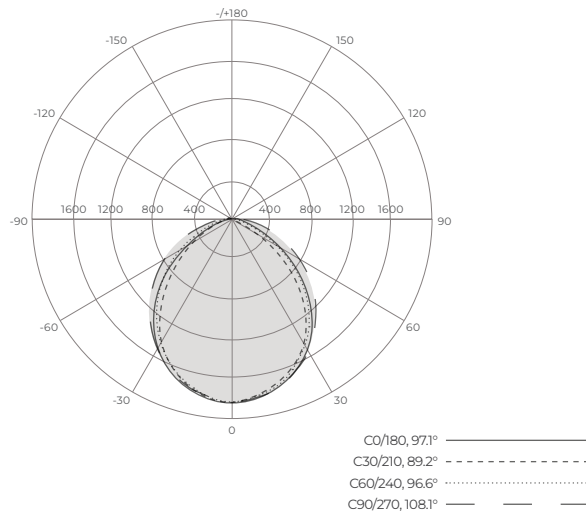
T	Φ TOTAL
0-5	40.97
5-10	161.6
10-15	357.0
15-20	619.7
20-25	938.7
25-30	1303
30-35	1698
35-40	2111
40-45	2527
45-50	2930
50-55	3305
55-60	3641
60-65	3927
65-70	4157
70-75	4328
75-80	4445
80-85	4520
85-90	4561
90-95	4577
95-100	4583
100-105	4585
105-110	4587
110-115	4588
115-120	4590
120-125	4591
125-130	4593
130-135	4594
135-149	4595
140-145	4596
145-150	4599
150-155	4993
155-160	4599
160-165	4600
165-170	4601
170-175	4601
175-180	4601
UNIT: lm	





PHOTOMETRICS - 4' - Regressed Lens - 4000K - 100% Direct Distribution

AVERAGE BEAM ANGLE (50%): 97.7°



Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	2140	11169
80	2443	10994
75	2503	10991
70	3594	12087
65	5970	12833
60	8299	13425
55	10218	13860
50	11728	14292
45	12936	14741

ZONAL FLUX DIAGRAM

T	C0	C45	C90	C135	C180
5°	1844	1830	1829	1833	1846
10°	1813	1795	1802	1801	1817
15°	1762	1750	1776	1760	1768
20°	1692	1696	1700	1712	1701
25°	1604	1597	1623	1630	1615
30°	1503	1482	1547	1537	1517
35°	1375	1360	1427	1443	1391
40°	1216	1221	1308	1341	1237
45°	1043	1026	1188	1167	1068
50°	859.4	824.4	1047	960.3	887.0
55°	668.1	618.5	906.3	761.5	696.4
60°	473.1	407.2	765.3	619.8	501.8
65°	287.6	210.6	618.3	495.8	313.7
70°	140.1	85.22	471.3	377.4	154.7
75°	73.86	42.76	324.3	259.9	74.73
80°	48.37	15.51	217.6	156.1	50.32
85°	21.26	10.24	111.0	91.92	19.49
90°	0.3408	5.919	4.309	30.73	33.60
95°	1.064	5.784	4.648	18.96	0.2241
100°	0.8826	5.639	4.987	7.401	0.2941
105°	1.037	5.661	5.325	6.332	0.4668
110°	1.060	5.707	5.471	6.991	0.7184
115°	1.144	5.779	5.616	7.362	0.9612
120°	1.471	5.958	5.762	7.493	1.246
125°	1.826	6.163	6.060	7.618	1.582
130°	2.223	5.832	6.359	7.328	1.946
135°	2.606	5.315	6.658	7.276	2.301
140°	2.951	4.907	6.806	7.306	2.656
145°	3.254	4.563	6.953	8.106	2.964
150°	3.539	4.632	7.101	8.777	3.263
155°	3.819	4.740	6.945	9.270	3.510
160°	4.085	4.700	6.789	8.961	3.743
165°	4.389	4.666	6.633	6.924	3.870
170°	4.696	5.081	5.987	5.937	4.028
175°	4.696	5.034	5.342	5.248	4.122
180°	4.696	4.696	4.696	4.696	4.174

DEG LUMINOUS INTENSITY: cd

ZONAL LUMEN
SUMMARY

T	Φ TOTAL
0-5	43.99
5-10	173.7
10-15	384.1
15-20	667.4
20-25	1012
25-30	1405
30-35	1832
35-40	2273
40-45	2710
45-50	3123
50-55	3492
55-60	3805
60-65	4053
65-70	4238
70-75	4366
75-80	4446
80-85	4493
85-90	4514
90-95	4522
95-100	4526
100-105	4528
105-110	4529
110-115	4531
115-120	4533
120-125	4535
125-130	4536
130-135	4538
135-140	4540
140-145	4541
145-150	4543
150-155	4544
155-160	4545
160-165	4546
165-170	4546
170-175	4547
175-180	4547

UNIT: lm

