



# ASCENT

## ARCHITECTURAL LIGHTING

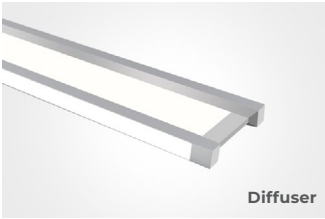
PROJECT

DATE

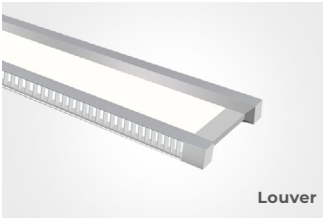
COMMENTS



IN STOCK



Diffuser



Louver

### ENERGY CHART

LENGTH feet	OPTICS	DELIVERED LUMENS	WATTAGE	EFFICACY lm/w
4	Diffuser	4000	40	100
	Louver	3200	40	80

### ORDERING LOGIC

EX: GLACIER-T-4-DF-F

FAMILY	LENGTH				OPTICS		CEILING TYPE	
GLACIER-T	4	4'	24	24'	DF	Diffuser	F	9/16" or 15/16" Flat
	8	8'	28	28'	LV	Louver	S	9/16" Slot
	12	12'	32	32'			D	Drywall
	16	16'	36	36'				
	20	20'	40	40'				

## GLACIER TASK EDGE-LIT ARCHITECTURAL LINEAR LED

Glacier Task is an attractive architectural linear luminaire utilizing ultra-thin semi-transparent optics within a signature sloping silhouette where the frame meets the lightguide. Advanced precision optics deliver visually comfortable illumination and superior light uniformity. Glacier Task is intended for suspended applications where direct lighting is required. Glacier Task is available with a diffuser or louver optic and field selectable CCT.

- Commercial Office
- Classrooms
- Civic & Transportation

### PHYSICAL

Material	Extruded Aluminum
Mounting	Suspended
Optics	Diffuser or Louver
Finish	Powder Coat White

### PERFORMANCE

Warranty	5 years
Certifications	Damp Location, UL, cULus
Rated Life	50,000 hours
CCT	Field Selectable: 3000K, 3500K, 4000K
CRI	80+
THD	<20%

### ELECTRICAL

Wattage	40W
Voltage	110-277V
Power Factor	>0.9
LED Driver	Class 2 High Efficiency
Dimming	1-10V

SEE ACCESSORIES ORDERING LOGIC ON PAGE 2





ACCESSORIES ORDERING LOGIC (ORDER SEPARATELY)

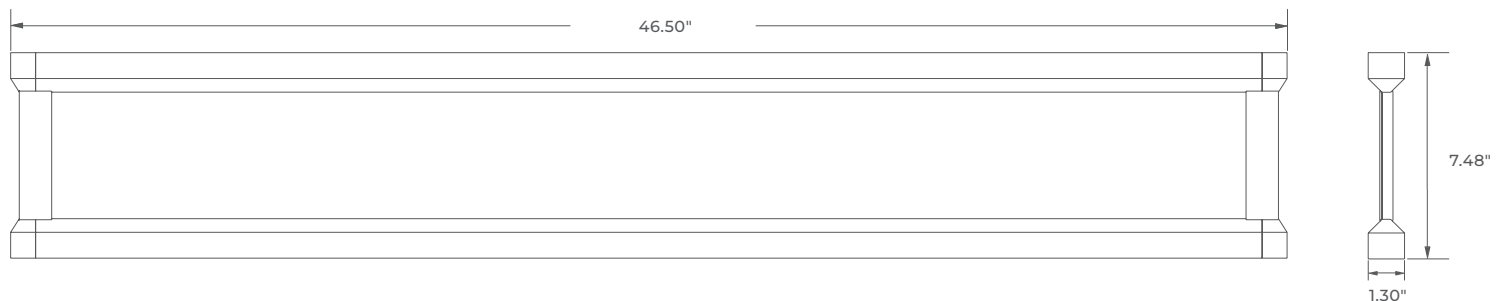
EX: GLACIER-T-EM

FAMILY	ACCESSORIES
GLACIER-T	EM 8W Emergency Battery

SPECIFICATIONS

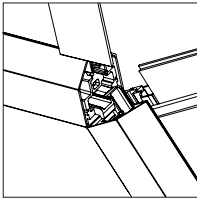
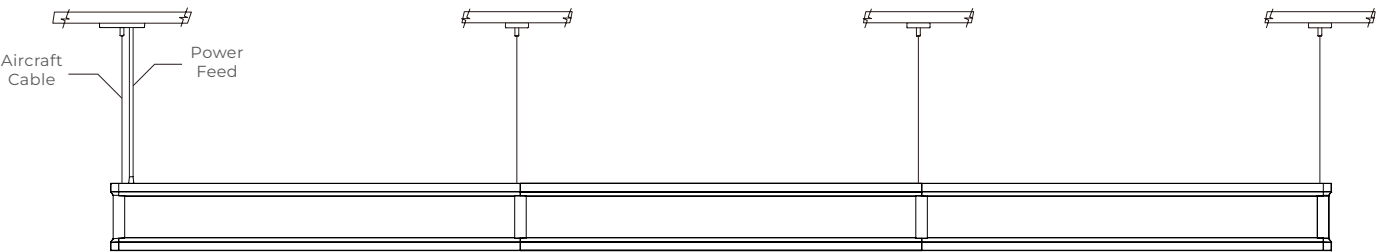
<b>OPTICS</b> Ultra-thin semi-transparent optics enveloped in a signature sloping silhouette where the frame meets the optics. Direct lighting component available with diffuser or louver optics.	THD: <20% Power Factor: >0.9 Input Voltage: 100-277V
<b>CONSTRUCTION</b> Extruded aluminum housing	<b>LED SYSTEM</b> CRI: Minimum 80 color rendering index CCT: Field selectable CCT by dip switch includes 3000K, 3500K, and 4000K LED: Rated life is 50,000h with 87.8% of lumen maintenance in 25°C (77°F) ambient temperature, in compliance with IES LM-80 testing measurements.
<b>FINISH</b> Powder coat white finish	<b>APPROVALS</b> <ul style="list-style-type: none"><li>cULus listed</li><li>Suitable for damp locations</li><li>Designed for indoor use only</li><li>5 years limited warranty</li></ul>
<b>ELECTRICAL</b> LED Driver: Class 2 high efficiency LED driver with 1-10V continuous dimming to 10% that works with many types of controls. Compatible with the following types of controls: <ul style="list-style-type: none"><li>Leviton IP710-DL</li><li>Leviton IP710-LF</li><li>Lutron PowPak 0-10V Dimming</li><li>Lutron Diva-Dvtv</li><li>Hubbell NX Distributed Room Control</li><li>Cooper Greengate Room Controller</li><li>nLight nPP16D</li><li>Wattstopper DLM</li></ul>	<b>OPTIONAL FUNCTION</b> Emergency Option: Optional 8W emergency LED driver can be provided. When AC power fails, it immediately switches to the emergency mode, operating for up to 120 minutes. When AC power is restored, it automatically returns to the charging mode which meets critical life-safety lighting requirements.

DIMENSIONS

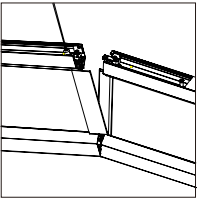




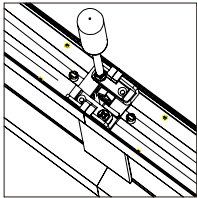
CONTINUOUS RUNS



Align position



Slide fixtures together



Secure fixtures together  
via screwdriver

The maximum connection of each input line is less  
that 40FT in 120AC, less than 100FT in 277AC.

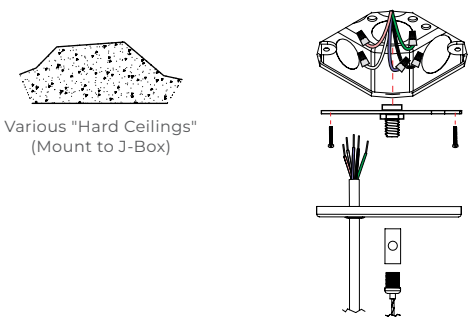
STANDARD LINE RUNS IN 120V

LUMINAIRE RUN LENGTH feet	RUN CONFIGURATION	5' POWER CABLE	5' AIRCRAFT CABLE	CANOPY
4	4'	1	2	2
8	4' + 4'	1	3	3
12	4' + 4' + 4'	1	4	4
16	4' + 4' + 4' + 4'	1	5	5
20	4' + 4' + 4' + 4' + 4'	1	6	6
24	4' + 4' + 4' + 4' + 4' + 4'	1	7	7
28	4' + 4' + 4' + 4' + 4' + 4' + 4'	1	8	8
32	4' + 4' + 4' + 4' + 4' + 4' + 4' + 4'	1	9	9
36	4' + 4' + 4' + 4' + 4' + 4' + 4' + 4' + 4'	1	10	10
40	4' + 4' + 4' + 4' + 4' + 4' + 4' + 4' + 4' + 4'	1	11	11

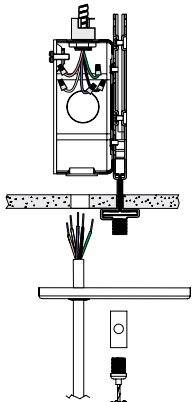
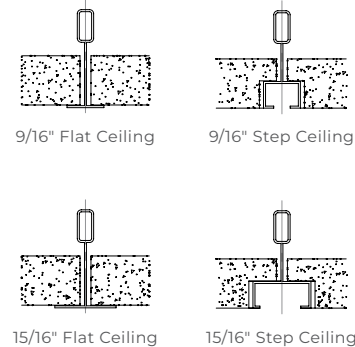
Note: 4.5" canopy is designed for power cable

MOUNTING

DRYWALL CEILING / OFF GRID



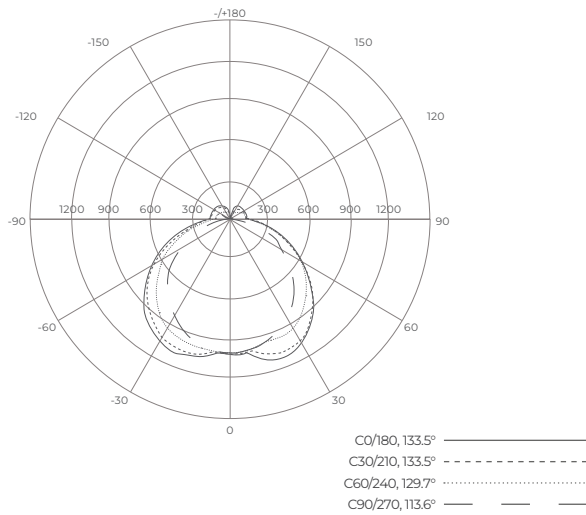
DROP CEILING / ON GRID





### PHOTOMETRICS - Diffuser-4000K-Direct

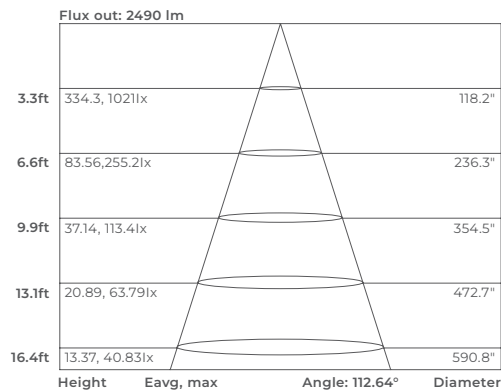
AVERAGE BEAM ANGLE (50%): 127.6°



### ZONAL FLUX DIAGRAM

T	C0	C45	C90	C135	C180	C225	C270	C315
10°	1053	996.2	987.9	1012	1043	1016	988.9	992.1
20°	1112	1025	935.3	1018	1084	1024	937.0	1019
30°	1075	1000	851.2	979.0	1066	987.6	853.9	997.5
40°	952.5	915.2	739.6	893.5	983.6	903.6	742.9	915.1
50°	787.0	783.7	604.5	766.6	847.0	777.7	608.3	785.6
60°	604.9	620.6	449.1	605.5	672.5	617.4	453.3	624.2
70°	416.6	440.5	278.3	424.8	478.8	435.4	282.5	444.9
80°	242.5	258.5	110.0	247.3	289.8	255.7	112.3	264.1
90°	123.9	130.3	2.740	143.7	159.0	145.4	2.733	131.9
DEG	LUMINOUS INTENSITY: cd							

### Average Illuminance Curve



### ZONAL LUMEN SUMMARY

T	φ ZONE	φ TOTAL	LUMEN/LAMP percentage
0-10	96.00	96.00	2.28,2.28
10-20	288.0	384.0	9.13,9.13
20-30	462.1	846.1	20.1,20.1
30-40	584.5	1431	34,34
40-50	631.9	2063	49,49
50-60	599.1	2662	63.3,63.3
60-70	493.3	3155	75,75
70-80	335.7	3491	83,83
80-90	177.8	3668	87.2,87.2
UNIT: lm			

### NOTE

The curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

### COEFFICIENTS OF UTILIZATION

ppc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR: Room Cavity Ratio (CU)															
0.0	116	116	116	112	112	112	104	104	104	97	97	97	90	90	90	87
1.0	99	94	90	95	91	87	89	85	82	83	80	77	77	75	73	70
2.0	85	78	72	82	76	70	77	71	66	71	67	63	67	63	60	57
3.0	74	66	59	72	64	58	67	60	55	62	57	52	58	54	50	47
4.0	65	56	49	63	55	48	59	52	46	55	49	44	52	46	42	40
5.0	58	49	42	56	48	41	53	45	40	49	43	38	46	41	36	34
6.0	52	43	36	50	42	36	47	40	34	44	38	33	42	36	32	29
7.0	47	38	32	46	37	31	43	35	30	40	34	29	38	32	28	26
8.0	43	34	28	41	33	28	39	32	27	37	30	26	35	29	25	23
9.0	39	31	25	38	30	25	36	29	24	34	28	23	32	26	22	20
10.0	36	28	23	35	27	22	33	26	21	31	25	21	30	24	20	18

