

PROJECT

DATE

COMMENTS



IN STOCK



Diffuser



Black Finish

## 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 optic and field selectable CCT.

- Commercial Office
- Classrooms
- Civic & Transportation

### PHYSICAL

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

### PERFORMANCE

Warranty	5 years
Certifications	Damp Location, UL, cULus
Rated Life	50,000 hours
CCT	Field Selectable: 3000K, 3500K, 4000K
CRI	80+
Delivered Lumens	1000lm/ft - 3000K, 1100lm/ft - 3500/4000K
THD	<20%

### ELECTRICAL

Wattage	40W - 4ft, 60W - 6ft
Voltage	110-277V
Power Factor	>0.9
LED Driver	Class 2 High Efficiency
Dimming	0-10V to 10% or 1%

### ENERGY CHART

LENGTH feet	OPTICS	DELIVERED LUMENS (3000K / 3500K / 4000K)	WATTAGE	EFFICACY lm/w
4	Diffuser	4000 / 4400 / 4400	40	100
6	Diffuser	6000 / 6600 / 6600	60	100
8	Diffuser	8000 / 8800 / 8800	80	100

SEE ORDERING LOGIC ON PAGE 2



**ORDERING LOGIC**

EX: GLACIER-T-4-DF-F-RWH-C05WH

FAMILY	LENGTH	OPTICS	CEILING TYPE	FINISH	DRIVER
<b>GLACIER-T</b>		<b>DF</b>			
4' 4' 24' 24'	DF	Diffuser	F 9/16" or 15/16" Flat	(blank) White	(blank) 110-277V AC Dims to 10%
6' 6' 28' 28'			S916 9/16" Slot	BK Black	D01 110-277V AC Dims to 1%
8' 8' 32' 32'			S1516 15/16" Slot		
12' 12' 36' 36'			D Drywall		
16' 16' 40' 40'					
20' 20'					
CANOPY TYPE		CORD + CABLE			
RWH	Round White Finish	<b>C05WH</b>	5ft White Power Cord, 5ft Aircraft Cable		
RBK	Round Black Finish	<b>C12WH</b>	12ft White Power Cord, 12ft Aircraft Cable		
SWH	Square White Finish	<b>C05BK</b>	5ft Black Power Cord, 5ft Aircraft Cable		
SBK	Square Black Finish	<b>C12BK</b>	12ft Black Power Cord, 12ft Aircraft Cable		

**ACCESSORIES ORDERING LOGIC (ORDER SEPARATELY)**

EX: GLACIER-T-EM8

FAMILY	ACCESSORIES
<b>GLACIER-T</b>	
	<b>EM8</b> 8W Emergency Battery
	<b>EM25</b> 25W Emergency Battery
	<b>OS</b> Occupancy Sensor

**SPECIFICATIONS**
**OPTICS**

Ultra-thin semi-transparent optics enveloped in a signature sloping silhouette where the frame meets the optics. Direct lighting component available with diffuser optics.

**CONSTRUCTION**

Extruded aluminum housing

**FINISH**

Powder coat white finish or powder coat black finish

**ELECTRICAL**

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

- Leviton IP710-DL
- Leviton IP710-LF
- Lutron PowPak 0-10V Dimming
- Lutron Diva-Dvtv
- Hubbell NX Distributed Room Control
- Cooper Greengate Room Controller
- nLight nPP16D
- Wattstopper DLM

THD: &lt;20%

Power Factor: &gt;0.9

Input Voltage: 110-277V

**LED SYSTEM**

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.

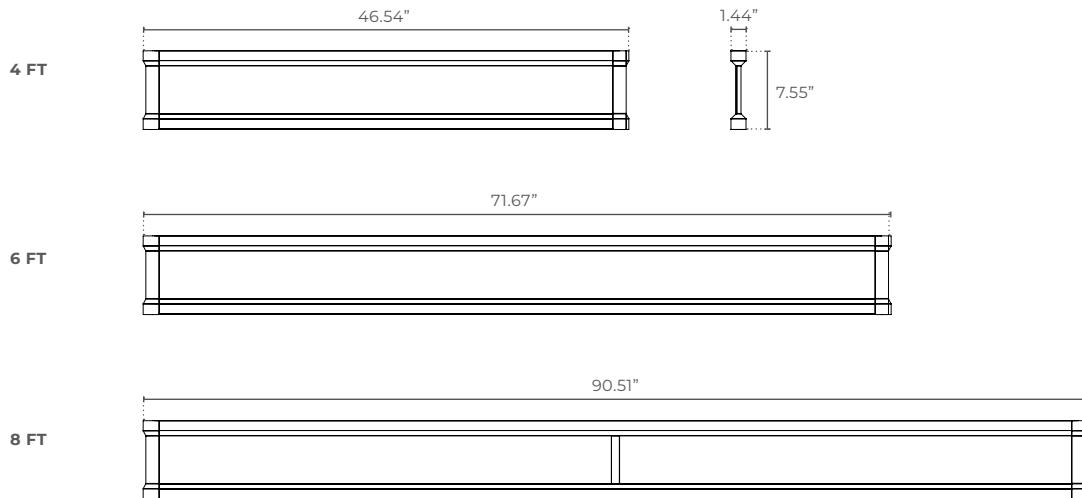
**APPROVALS**

- CULus listed
- Suitable for damp locations
- Designed for indoor use only
- 5 years limited warranty

**OPTIONAL FUNCTION**

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**

- Simple and intuitive assembly in the field without additional joiner
- One power feed up to 40ft for 120V or 80ft for 277V
- Drywall or T-Grid drop ceiling compatible



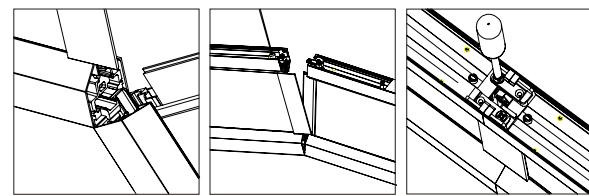
Take end caps off

Slide fixture together and connect the connectors



Secure cover plates and complete

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



Align position

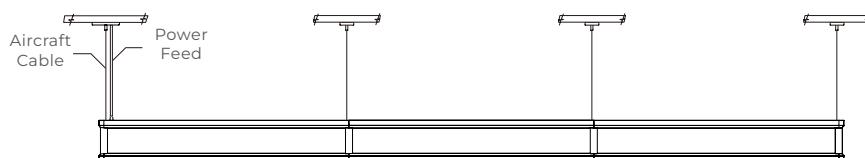
Slide fixtures together

Secure fixtures together via screwdriver

**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

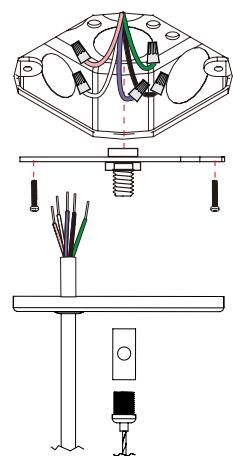
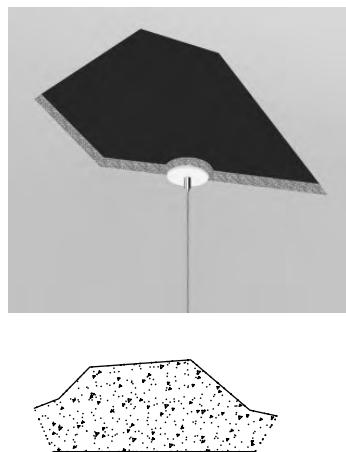


**MOUNTING**
**CANOPY STYLE**

Available in Black &amp; White


**DRY CEILING**

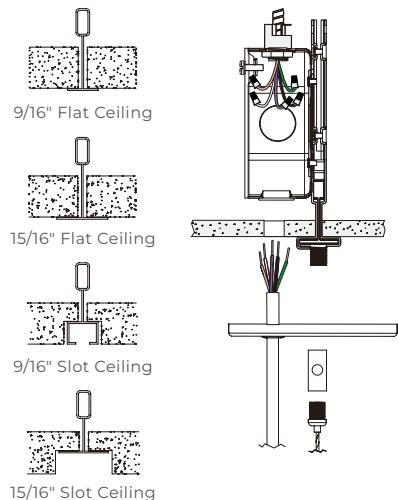
"Various Hard Ceilings" (Mount to J-Box)


**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.


**PENDANT ACCESSORIES FOR DRY CEILING**
**CANOPY KITS**

**POWER CORD KITS**

**AIRCRAFT CABLE KITS**

**PENDANT ACCESSORIES FOR DROP CEILING**
**CANOPY KITS**

**JUNCTION BOX**

**POWER CORD KITS**

**AIRCRAFT CABLE KITS**

**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**

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/EM25**

8W or 25W 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 visit our 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**

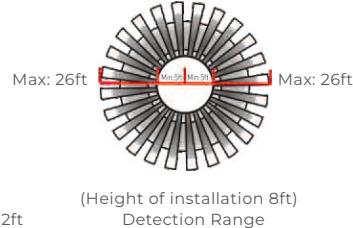
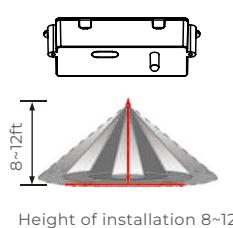
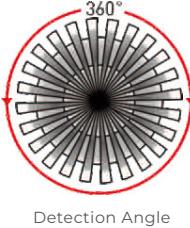
**OS-R**

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. 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 to 158°F (-40°C to 70°C)

**SENSOR COVERAGE**

 (Height of installation 8ft)  
 Detection Range


Detection Angle



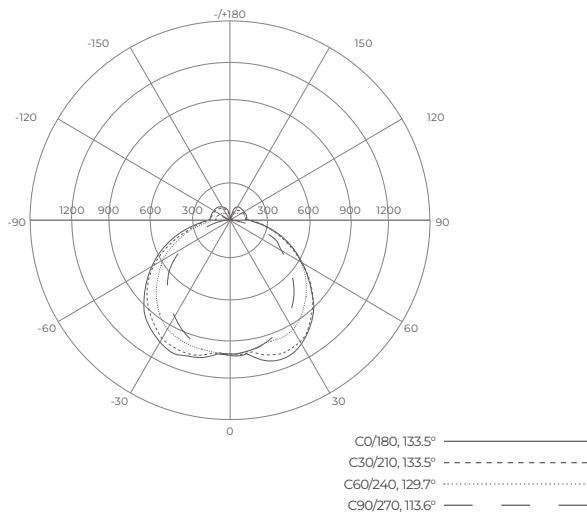
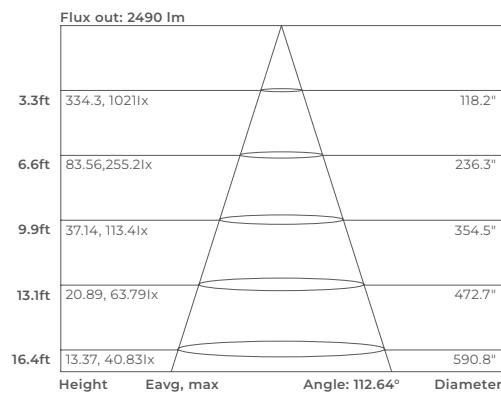
**ADDITIONAL IMAGERY**
**BLACK FINISH**

**WHITE FINISH**

**FIELD SELECTABLE CCT SWITCH**


**PHOTOMETRICS** - Diffuser-4000K-Direct

AVERAGE BEAM ANGLE (50%): 127.6°


**Average Illuminance Curve**

**NOTE**

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

**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

**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
DEG			

UNIT: lm

**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

