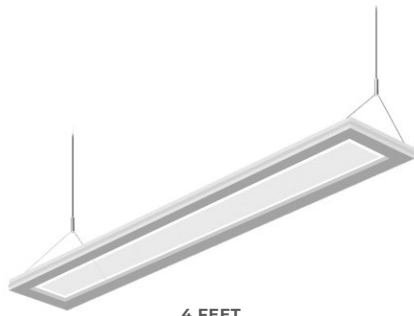




# ASCENT ARCHITECTURAL LIGHTING

PROJECT  DATE

COMMENTS



4 FEET



8 FEET

### ENERGY CHART

LENGTH feet	WIDTH inches	DELIVERED LUMENS	WATTAGE	EFFICACY lm/w
4	8	4600	40	115
8	8	9200	80	115

## CIRQUE DIRECT/INDIRECT ARCHITECTURAL PENDANT LED

CIRQUE is a unique architectural linear pendant with direct/indirect illumination and a transparent edge-lit optic designed for spaces where visual comfort is the priority. Available in 4' and 8' sections with field selectable CCT, this pendant strikes the perfect balance between high performance and minimal aesthetics. CIRQUE features a high efficiency, class II, internal driver that can be replaced in the field and its intuitive assembly is easy to install both for single fixtures or seamless continuous runs up to 36ft long. CIRQUE is DLC qualified, and Damp Location listed.

- Commercial Office
- Classrooms
- Civic & Transportation

### PHYSICAL

Material	Powder Coated Extruded Aluminum
Mounting	Suspended
Lens	PMMA
Finish	White

### PERFORMANCE

Warranty	5 years
Certifications	Damp Location, cULus, DLC
Rated Life	50,000 hours
Operating Temperature	-20°C to 40°C (-4°F to 104°F)
THD	<20%
Distribution	55% Direct/45% Indirect
CCT	Field Selectable: 3000K/3500K/4000K
CRI	80+

### ELECTRICAL

Wattage	40W, 80W
Voltage	110-277V
Power Factor	>0.9
LED Driver	Class 2 High Efficiency
Dimming	1-10V

### ORDERING LOGIC

EX: CIRQUE-4-40-FS-F

FAMILY	LENGTH	WATTAGE	CCT	CEILING TYPE	OPTIONS
CIRQUE			<b>FS</b>		
	<b>4</b> 4'	<b>40</b> 40W	<b>FS</b> Field Selectable 3000K / 3500K / 4000K	<b>F</b> 9/16" or 15/16" Flat	<b>OS</b> Occupancy Sensor
	<b>8</b> 8'	<b>80</b> 80W		<b>S</b> 9/16" Slot	
				<b>D</b> Drywall	

SEE ACCESSORIES ORDERING LOGIC ON PAGE 2



ACCESSORIES ORDERING LOGIC (ORDER SEPARATELY)

EX: CIRQUE-EM

FAMILY	ACCESSORIES
<b>CIRQUE</b>	<b>EM</b> 8W Emergency Battery

**SPECIFICATIONS**

**OPTICS**

High precision light guide made of PMMA material, allows distribution of controlled light to create 45% uplight, 55% downlight light distribution.

**CONSTRUCTION**

Extruded aluminum housing.

**FINISH**

Powder coat white finish

**ELECTRICAL**

LED Driver: Internal, class 2, replaceable, high efficiency LED driver.

Dimming: Standard constant current electronic driver with 1-10V dimming input; dimming range from 100% down to 10%. Thermal overload protection shuts down the luminaire when system temperatures exceed designed operating conditions. Compatible with the following types of controls:

- Lutron ® Diva-Dvtv
- Leviton® IP-710-DL

THD: <20%

Power Factor: >0.9

Input Voltage: 110-277V

**WARRANTY**

5-year limited warranty

**APPROVALS**

- cULus listed for damp locations
- Tested to IESNA LM-79 and LM-80
- DesignLights Consortium Qualified and classified for DLC Standard, refer to [www.designlights.org](http://www.designlights.org) for details

**LED SYSTEM**

CRI: Minimum 80 color rendering index

CCT: CCT adjustable from 3000K, 3500K and 4000K with a great color consistency.

LED: Life minimum 50,000h with 87.8% of lumen maintenance in 25°C(77°F) ambient temperature, in compliance with IES LM-80 testing measurements.

Thermal Management: Aluminum housing acting as the heat sink to maximize life.

Environment: Damp rated in operating ambient temperatures of -20°C to 40°C (-4°F to 104°F).

**MOUNTING**

Pendant-Dry ceiling or T-Grid ceiling compatible. Cable lengths of 5ft is standard, 12ft or others are available.

Individual or continuous run.

**OPTIONAL FUNCTION**



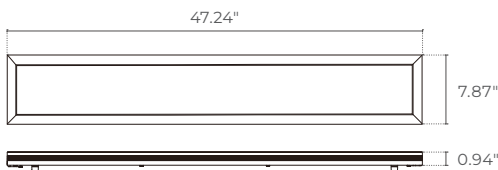
Emergency Option: Optional high voltage 8W emergency LED driver EM-H series can be provided. When AC power fails, it immediately switches to the emergency mode, operating for lighting up to 120 minutes. When AC power is restored, it automatically returns to the charging mode which meets critical life-safety lighting requirements. For more info or spec sheet, please visit our website or contact sales.



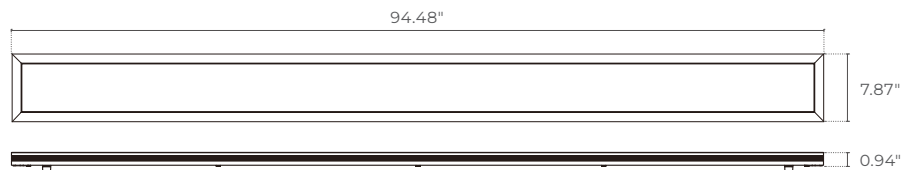
Occupancy Sensor: We can provide a factory-installed integrated sensor system for multi-level control based on motion and/or daylight contribution with BR1810BI-level & daylight harvest microwave sensor from SHARKWARD. For more info or spec sheet, please contact sales.

**DIMENSIONS**

**4 FEET**

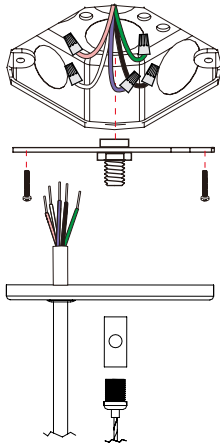
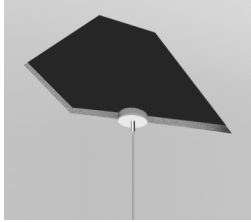


**8 FEET**



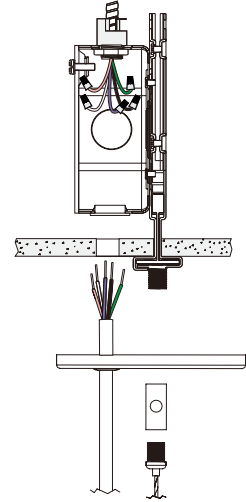
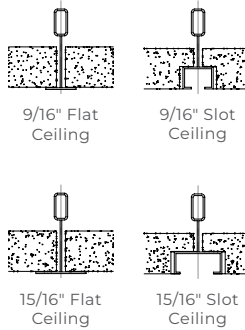
**MOUNTING**

**DRYWALL CEILING / OFF GRID**



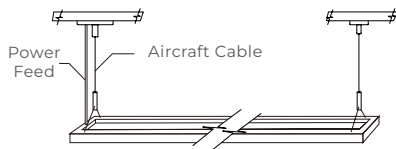
Various "Hard Ceilings"  
(Mount to J-Box)

**DROP CEILING / ON GRID**

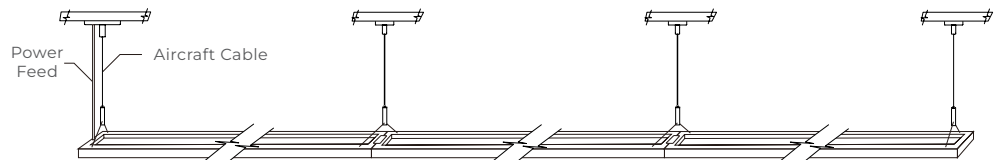


**STANDARD RUNS**

**INDIVIDUAL**



**CONTINUOUS RUNS**



**4 FT:** Connect 9pcs together in 120V AC and 20pcs in 277V AC

**8 FT:** Connect 4pcs together in 120V AC and 10pcs in 277V AC

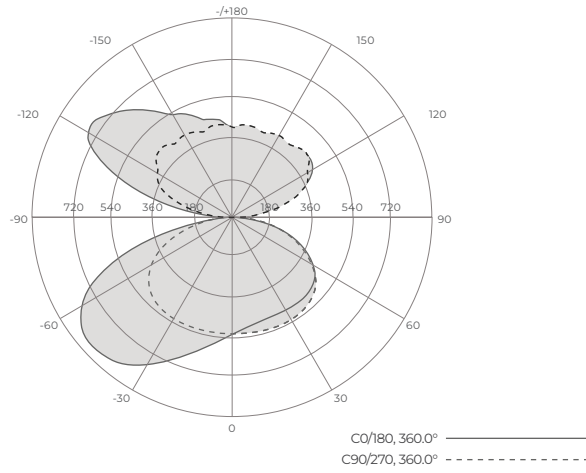
**STANDARD LINE RUNS IN 120V**

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



**PHOTOMETRICS - 4' - 40W - 3500K**

AVERAGE BEAM ANGLE (50%): 360.0°


**ZONAL FLUX DIAGRAM**

T	C0	C45	C90	C135	C180
10°	489.7	498.0	524.6	563.6	584.7
20°	480.0	486.6	527.3	616.1	670.1
30°	482.5	481.7	528.7	668.3	764.4
40°	484.9	472.9	518.0	702.8	838.6
50°	470.2	447.9	487.2	694.4	856.3
60°	422.0	393.3	418.8	618.6	781.1
70°	309.9	292.1	305.3	452.8	554.8
80°	154.1	142.3	143.6	198.8	234.2
90°	0	0	0	0	0
100°	118.0	129.0	158.1	189.3	221.4
110°	301.4	288.1	321.0	422.0	562.4
120°	413.0	389.2	391.3	557.4	754.7
130°	439.9	415.6	440.80	572.0	729.0
140°	417.2	406.8	424.6	534.9	635.6
150°	387.6	395.4	428.1	495.7	540.1
160°	388.5	394.1	410.7	466.6	484.1
170°	399.0	401.0	423.8	437.1	451.1
180°	410.1	410.1	410.1	410.1	410.1
DEG	LUMINOUS INTENSITY: cd				

**ZONAL LUMEN SUMMARY**

T	Φ TOTAL
0-10	50.33
10-20	203.9
20-30	465.4
30-40	832.8
40-50	1286
50-60	1775
60-70	2217
70-80	2503
80-90	2575
90-100	2635
100-110	2918
110-120	3349
120-130	3796
130-140	4177
140-150	4466
150-160	4668
160-170	4788
170-180	4828
	UNIT: lm

**Luminance cd/(m2)**

G(DEG)	C0/180	C90/270
85	6686	7045
80	8875	8271
75	9044	8773
70	9061	8926
65	8934	8769
60	8441	8375
55	7885	7996
50	7315	7580
45	6799	7158

**ADDITIONAL IMAGERY**
