

SABER SUSPENSION, 0.8" ROUND LENS

24VDC, 5W | 7W OUTDOOR, TUNABLE WHITE

ASSEMBLED IN AMERICA | US PATENT PENDING

REV 05.13.24



DESCRIPTION

Visually stimulating and housed within an unconventional silicone lens, PureEdge's Flexible Saber Suspension is Tension hung offering flexible installation and conceptual yet functional design. The SCS8 bends Up and Down giving it the unique ability to traverse open spaces wall to wall, wall to ceiling, or floor to ceiling. The 0.75" wide round lens, offers superior color quality and performance while creating uniform illumination without pixelation. Tunable White 2000K-6500K (**2K6K**) or 2700K-6500K (**27K6**) grants independent control and adjustment of color temperature and intensity from 2000K (Sunset) through 6500K (Day Light White). Tunable white lighting visually, biologically and emotionally contributes to human interaction with the physical world. Human centric lighting (HCL) builds on this technology bringing the dynamics of natural light and delivers a positive effect on human health, well-being and performance. Saber is an IP67 rated wet location system featuring watertight barrel connections. System includes a pair of turnbuckles and aircraft cable. Includes a 5-year pro-rated warranty. Patent Pending. For custom designs and quotes, email our design team: design@PureEdgeLighting.com.

LUMEN PERFORMANCE at 3000K 7W PER FOOT

(Refer to page 2 for full lumen data)

LUMEN OUTPUT	408 lm/ft
EFFICIENCY	57 lm/watt
CRI	92+
R9	73
BEAM ANGLE	160°
BEAM TOLERANCE	+/- 30CCT

SPECIFICATIONS

DIMENSIONS	1.12" Height 0.66" (top) 0.75" (bottom)
INPUT	5" leads
POWER SUPPLIES	Remote 24VDC power supply required
POWER CONSUMPTION	4.4 or 7.3 watts per foot
INCREMENTS	1'
MAX LENGTH	5W - Up to 40' with power feeds at both ends, 20' with one feed 7W - 24' with power feeds at both ends, 12' with one feed
MATERIAL	UV Resistant PVC
OPERATING TEMPERATURE	-40° F (-40° C) to 122° F (+50° C)
AVERAGE LED LIFE	50,000 hrs
WARRANTY	5 Year pro-rated
COMPLIANCE	Class 2 Wiring, Outdoor Wet Location with Water Tight Barrel Connectors IP67 Rated, ETL listed

REMOTE POWER SUPPLIES*, DIMMERS & CONTROLS (SOLD SEPARATELY)

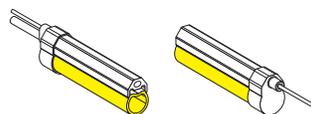
24VDC, Class 2 wiring

Tunable White

- [Pure Smart™ Wiz Pro Power Supplies & Controls](#)
- [0-10V](#): Requires two dimmers, one for intensity and one for color temperature
- [DMX Dynamic Color Changing](#): Must be used with PureEdge [Controllers](#)



Wet Location End Feed with Aircraft Cable



System	Viewing Angle Model Shape	Wattage	Length in Feet	Color Temperature	5" Input Wire Feed	Output Wire	Environment
FN	SCS8	5W	20	2K6K	E	CA	W
FN Flex Neon 24V	SCS8 Suspension Saber .8" bends up/down. Includes suspension aircraft cable and turnbuckle. Order power supply and canopy separately.	5W 4.4 watts per foot 7W 7.3 watts per foot	20 5W - Up to 20' with power feed at one end 7W - Up to 12' with power feed at one end Lengths surpassing 26' may have a slight sag up to 1"	2K6K Tunable White 2000K-6500K 27K6 Tunable White 2700K-6500K	E End Power Input Wire	CA Cap at end, no feed through	W Outdoor wet location Barrel Connector cable leads
System	Viewing Angle Model Shape	Wattage	Length in Feet	Color Temperature	5" Input Wire Feed	Output Wire	Environment
FN	SCS8	5W	20	2K6K	E	E	W
FN Flex Neon 24V	SCS8 Suspension Saber .8" bends up/down. Includes suspension aircraft cable and turnbuckle. Order power supply and canopy separately.	5W 4.4 watts per foot 7W 7.3 watts per foot	20 5W - 21-40' with power feed at both ends 7W - 13-24' with power feed at both ends Lengths surpassing 26' may have a slight sag up to 1"	2K6K Tunable White 2000K-6500K 27K6 Tunable White 2700K-6500K	E End Power Input Wire	E End Wire Lead Out	W Outdoor wet location Barrel Connector cable leads

PROJECT	FIXTURE TYPE	DATE
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SABER SUSPENSION, 0.8" ROUND LENS

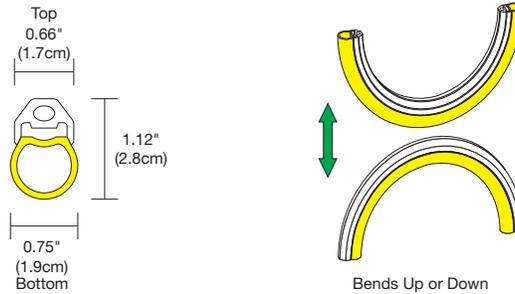
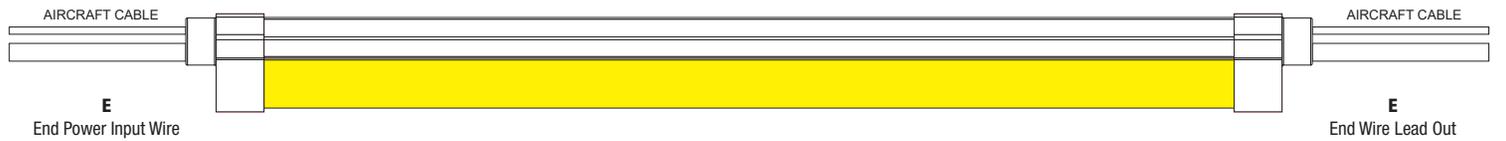
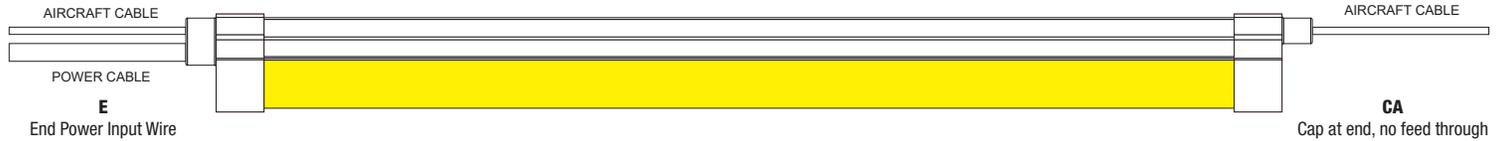
24VDC, 5W | 7W OUTDOOR, TUNABLE WHITE

Lamp Data

WATTS PER FOOT	2K6K - 5W (4.4 watts)								27K6 - 5W (4.4 watts)								2K6K - 7W (7.3 watts)								27K6 - 7W (7.3 watts)							
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K	65K	27K	30K	35K	40K	45K	57K	65K	20K	22K	24K	27K	30K	35K	40K	57K	65K	27K	30K	35K	40K	45K	57K	65K
LUMENS PER FOOT (lm/ft)	280	295	309	323	354	368	382	319	318	296	303	314	325	322	319	318	378	422	466	509	550	586	517	431	429	399	408	424	439	434	431	429
LUMENS PER WATT (lm/w)	70	64	67	70	77	80	95	69	79	74	66	68	71	70	69	79	59	59	65	71	76	81	81	60	67	62	57	59	61	60	60	67
CRI	91+	91+	91+	94+	94+	94+	91+	93+	93+	92+	92+	92+	95+	93+	93+	93+	91+	91+	91+	94+	94+	94+	91+	93+	93+	92+	92+	92+	95+	93+	93+	93+

*Tunable White has a variance in color temperature due to the curvature of the material.

Drawings: Saber Suspension SCS8



LENGTH CHART Actual lengths for Saber Line SCS8

LENGTH CHART							
Ordering Code (Nominal Size)	Actual Length (Inches)	Ordering Code (Nominal Size)	Actual Length (Inches)	Ordering Code (Nominal Size)	Actual Length (Inches)	Ordering Code (Nominal Size)	Actual Length (Inches)
1	12.75	11	132.75	21	252.75	31	372.75
2	24.75	12	144.75	22	264.75	32	384.75
3	36.75	13	156.75	23	276.75	33	396.75
4	48.75	14	168.75	24	288.75	34	408.75
5	60.75	15	180.75	25	300.75	35	420.75
6	72.75	16	192.75	26	312.75	36	432.75
7	84.75	17	204.75	27	324.75	37	444.75
8	96.75	18	216.75	28	336.75	38	456.75
9	108.75	19	228.75	29	348.75	39	468.75
10	120.75	20	240.75	30	360.75	40	480.75

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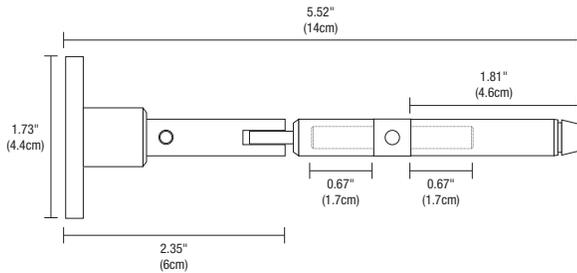


FLEX NEON ACCESSORIES AND J-BOXES

24VDC, 5W | 7W OUTDOOR, TUNABLE WHITE



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PAIR OF TURNBUCKLES AND AIRCRAFT CABLE (INCLUDED)

The Slim-Profile Turnbuckles hold the tension of the air craft cable running through the silicone Saber tube with LED strip. 6' stainless steel aircraft cable included.

Product	Finish
SABT	SA
SABT Saber Line Turnbuckle	SA Satin Aluminum

AIRCRAFT CABLE (INCLUDED WITH AN EXTRA 6')



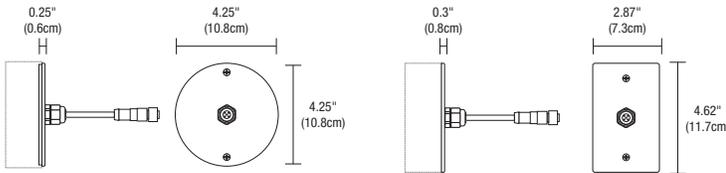
Product	Type	Length
ACBL	SAB	50FT
ACBL Aircraft Cable for Saber	SAB Saber	10ft to 50ft lengths



CANOPY (ORDER SEPARATELY)

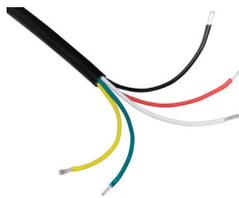
Outdoor canopy with 8ft outdoor barrel connector power feed, may be cut on job site.

System	Type	Canopy	Finish
OC8P	CFX	RD	ZN
OC8P Outdoor Canopy with 8' outdoor Power cable	CFX Flexible 4 Wire Cable with Barrel Connector for Static White and Tunable LEDs	RD Round Cover, 1 gauge 4.125" RE Rectangle Cover, 1 gauge 2.8" x 4.5"	ZN Zinc



WET AND DAMP LOCATION CABLE ORDER PER FOOT

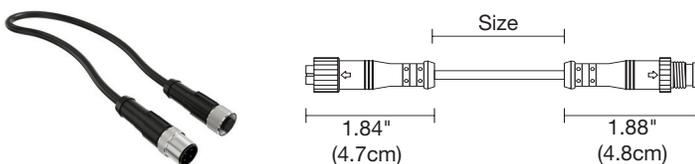
Our Wet Location, 5 Conductor, 14 Gauge Cable is a durable and adaptable cable suitable for transmitting power, control, and switching in indoor and outdoor wet and damp environments. Cable sold by the foot, simply specify the length needed by the foot. Keep within 50 ft between fixture and power supply. Cable sold by the foot, simply specify the length needed by the foot.



Product	Gauge	Cable
OC	14G	5C
OC Outdoor Cable	14G 14 Gauge	5C 5 Conductor

POWER CABLE CONNECTOR WET LOCATION

The flexible power cable connector is designed to work in outdoor environments for safe and reliable connections. This Flexible Connector is easy to install and configure, helping you create innovative lighting designs in an outdoor commercial or residential space.



Product	Type	Size	Option
SS	CFX	12IN	W
SS Soft Strip and Flex Neon	CFX Flexible 4 Wire Connector	12IN 12" 96IN 96"	W Wet Location

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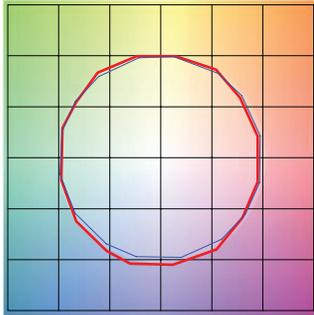
TM30 DATA

24VDC OUTDOOR 5W | 7W STATIC WHITE, WARM DIM & TUNABLE WHITE

TM-30-15 DATA: The data below is for ST2A, ST5A, ST7A and ST10A bare LED Soft Strips. Consistent color temperatures throughout a single strip and among multiple strips is possible through a 3 phase binning process in which each order is inspected with a color meter to ensure uniformity.

3000K (2K6K/27K6) | Rf: 90.5 | Rg: 100.7

Color Vector Graphic

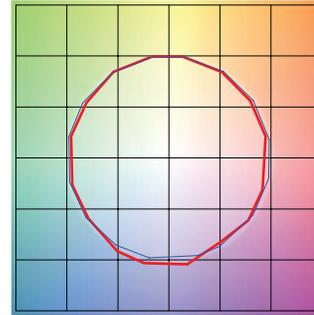


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	91.5	-3.5%	1.2%
2	92.4	-1.8%	2.7%
3	89.8	0.3%	4.5%
4	92.4	-1.7%	0.4%
5	93.3	-0.1%	1.4%
6	94.5	2.1%	-0.6%
7	91.0	-2.5%	0.3%
8	96.9	-0.8%	-0.2%
9	91.6	-0.9%	4.6%
10	86.7	0.7%	7.8%
11	86.3	3.8%	8.5%
12	88.3	6.1%	0.6%
13	90.9	3.1%	-5.2%
14	87.3	4.7%	-7.9%
15	92.1	-1.9%	-2.5%
16	84.5	-0.9%	-10.9%

2000K ONLY (2K6K/27K6) | Rf: 90.6 | Rg: 98.5

Color Vector Graphic

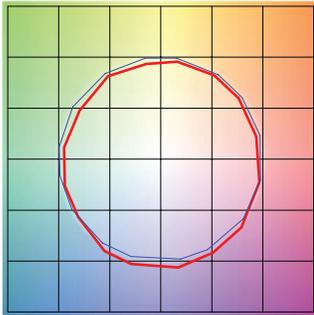


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	87.7	-5.5%	1.2%
2	88.7	-3.9%	4.2%
3	90.5	-1.5%	4.3%
4	95.0	-1.7%	0.8%
5	95.2	-0.2%	2.1%
6	94.2	1.6%	1.9%
7	95.9	-0.8%	-2.2%
8	95.5	-1.7%	1.3%
9	93.8	-1.4	2.6%
10	91.9	-0.7%	4.2%
11	91.3	3.6%	3.7%
12	91.2	4.2%	-1.0%
13	86.6	3.8%	-12.7%
14	67.2	-3.0%	-16.3%
15	84.9	-3.3%	-9.4%
16	84.2	-5.7%	-7.5%

4000K ONLY (2K6K/27K6) | Rf: 86.4 | Rg: 96.1

Color Vector Graphic

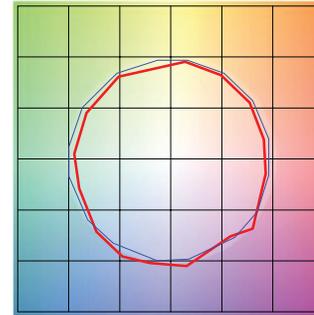


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	86.5	-5.5%	1.3%
2	90.4	-3.0%	2.3%
3	89.8	-2.1%	3.6%
4	89.1	-3.4%	0.4%
5	88.5	-5.9%	0.1%
6	93.6	-3.0%	-0.4%
7	88.9	-6.2%	1.7%
8	87.3	-5.0%	4.9%
9	82.4	-3.6%	11.3%
10	77.4	-1.8%	12.7%
11	79.8	4.9%	11.4%
12	88.7	4.4%	2.7%
13	88.7	4.0%	-5.1%
14	91.2	2.2%	-3.8%
15	82.7	-0.1%	-9.2%
16	82.8	-2.2%	-7.6%

6500K ONLY (2K6K/27K6) | Rf: 86.8 | Rg: 96.8

Color Vector Graphic



■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	86.5	-4.7%	0.8%
2	91.9	-2.5%	3.1%
3	91.2	-2.0%	1.9%
4	91.2	-1.6%	1.4%
5	85.7	-6.2%	-0.9%
6	92.9	-3.5%	-1.0%
7	92.1	-4.7%	0.7%
8	85.2	-5.8%	4.9%
9	82.8	-6.2%	14.3%
10	77.1	-0.7%	15%
11	72.1	5.8%	14.1%
12	91.6	4.0%	1.0%
13	89.9	5.6%	-2.3%
14	90.5	-1.8%	-3.7%
15	81.6	6.5%	-13.9%
16	92.8	-3.6%	-0.4%

PROJECT	FIXTURE TYPE	DATE
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