SABER SUSPENSION, 0.8" ROUND LENS
## 24VDC, 5W | 7W OUTDOOR, STATIC WHITE & WARM DIM

ASSEMBLED IN AMERICA | US PATENT PENDING

PURE EDGE — Pure Smart Lighting | **WiZ PRO**

DESCRIPTION

Visually stimulating and housed within an unconventional silicone lens, PureEdge's Flexible Saber Line 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. Offered in various color temperatures ranging from 2200K to 5700K, including two Warm Dim options of 2400K (**24D**) or 2700K (**27D**). Using the latest in LED Technology Tunable White grants independent control for adjusting color temperature and brightness. 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.

SPECIFICATIONS

DIMENSIONS	Height: 1.12" Width: 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

LUMEN PERFORMANCE at 3000K 7W PER FOOT
(Refer to page 2 for full lumen data)

LUMEN OUTPUT	492 lm/ft
EFFICIENCY	67 lm/watt
CRI	92
R9	73
BEAM ANGLE	160°
BEAM TOLERANCE	+/- 30CCT

REMOTE POWER SUPPLIES*, DIMMERS & CONTROLS (SOLD SEPARATELY)
24VDC, Class 2 wiring

Static White
- Pure Smart™ WiZ Pro Power Supplies & Controls
- UNI Driver: Universal Dimming (TRIAC, ELV, 0-10V)

Warm Dim
- UNI Driver: Universal Dimming (TRIAC, ELV, 0-10V)
- Make It Smart: Pure Smart™ Wi-Fi Dimmer

For quick & easy reference, plus the most up-to-date pricing, use our Saber Suspension Configurator

Wet Location End Feed with Aircraft Cable

Wet Location Outdoor

System	Viewing Angle Model Shape	Wattage	Length in Feet	Color Temperature		5" Input Wire Feed	Output Wire	Environment
FN	SCS8	5W	20	27K		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	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"	**22K** 2200K Amber White **24K** 2400K Very Warm White **24D*** 2400D Warm Dim, Dims to 1800K **27K** 2700K Incandescent White **27D*** 2700K Warm Dim, Dims to 2000K	**30K** 3000K Warm White **35K** 3500K Neutral White **40K** 4000K Cool White *5W Only	**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	7W	20	27K		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	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"	**22K** 2200K Amber White **24K** 2400K Very Warm White **24D*** 2400K Warm Dim, Dims to 1800K **27K** 2700K Incandescent White **27D*** 2700K Warm Dim, Dims to 2000K	**30K** 3000K Warm White **35K** 3500K Neutral White **40K** 4000K Cool White *5W Only	**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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NOMINAL DELIVERED LUMENS

	FN-SCS8															
WATTS PER FOOT	5W (4.4 watts)									7W (7.3 watts)						
COLOR TEMPERATURE	22K	24K	24D*	27K	27D*	30K	35K	40K	57K	22K	24K	27K	30K	35K	40K	57K
LUMENS PER FOOT (lm/ft)	302	306	349	318	363	365	392	426	453	419	467	472	492	564	695	738
LUMENS PER WATT (lm/w)	69	69	73	72	76	83	89	97	103	57	64	65	67	77	95	101
CRI	92+	92+	94+	92+	94+	92+	92+	92+	92+	92+	92+	92+	92+	92+	92+	92+

*24D, 27D - Warm Dim 4.8 Watts Only

DRAWINGS & DIMENSIONS Saber Line SCS8

AIRCRAFT CABLE / POWER CABLE / **E** End Power Input Wire / AIRCRAFT CABLE / **CA** Cap at end, no feed through

AIRCRAFT CABLE / **E** End Power Input Wire / AIRCRAFT CABLE / **E** End Wire Lead Out

Top 0.66" (1.7cm)
1.12" (2.8cm)
0.75" (1.9cm) Bottom

Bends Up or Down
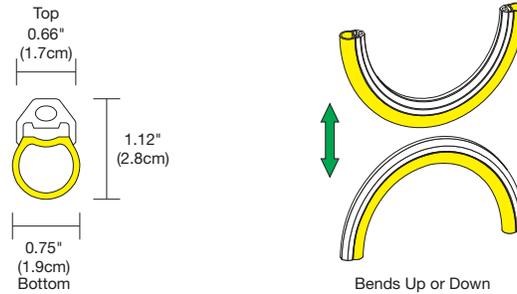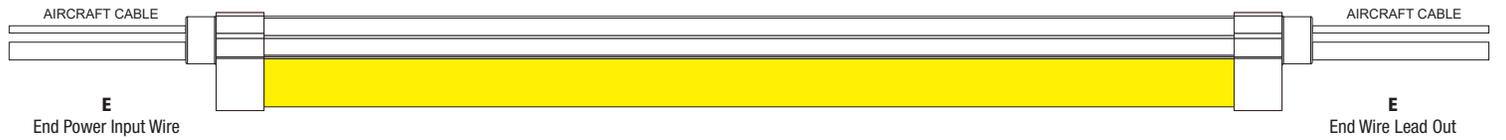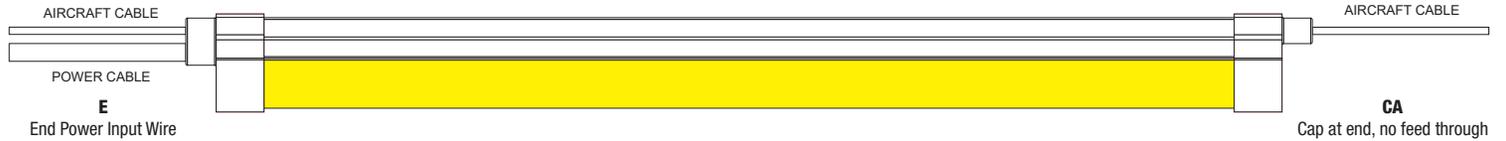
LENGTH CHART Actual lengths for Saber Line SCS8

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

PROJECT		FIXTURE TYPE		DATE	

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2
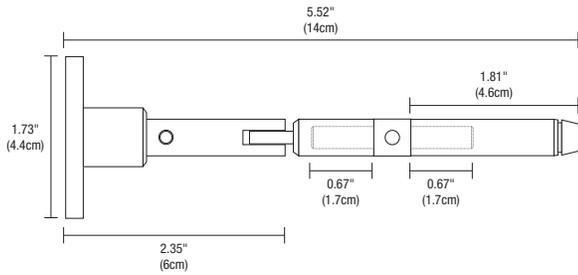
### PAIR OF TURNBUCKLES AND AIRCRAFT CABLE (INCLUDED)

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
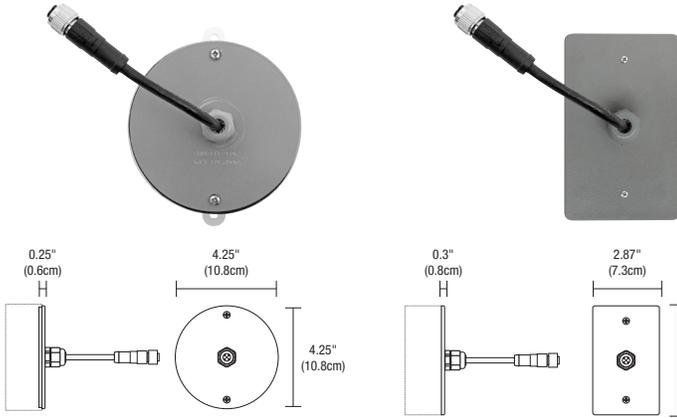
CANOPY (ORDER SEPARATELY)

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.
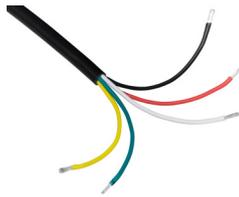
Product	Gauge	Cable
OC	**14G**	**5C**
OC Outdoor Cable	14G 14 Gauge	5C 5 Conductor
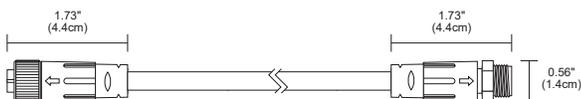
POWER CABLE CONNECTOR WET LOCATION

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.

Static White & Warm Dim

Product	Type	Size	Conductor	Option
SS	**CFX**	**16IN**	**2C**	**W**
SS Soft Strip and Flex Neon	CFX Flexible 4 Wire Connector	16IN 16" 96IN 96"	2C 2 Conductor	W Wet Location

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TM30 DATA
24VDC, 5W | 7W OUTDOOR, STATIC WHITE & WARM DIM

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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.

2200K | Rf: 90.5 | Rg: 99.9
Color Vector Graphic
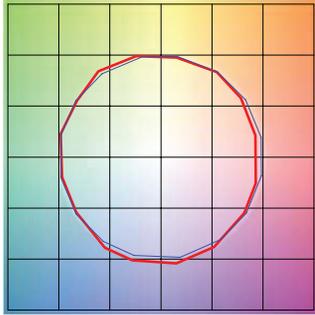
Test Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	88.3	-5.2%	1.0%
2	90.1	-3.6%	3.7%
3	87.5	-0.5%	5.6%
4	93.9	-1.2%	1.3%
5	94.7	0.7%	2.1%
6	93.7	2.6%	0.7%
7	93.5	-1.5%	-2.2%
8	97.8	-0.4%	-0.2%
9	93.7	-1.5%	2.4%
10	90.8	-0.8%	4.9%
11	89.3	3.7%	5.4%
12	90.2	4.6%	1.0%
13	89.0	4.4%	-9.7%
14	75.4	0.6%	-15.1%
15	90.7	-1.7%	-5.0%
16	84.2	-4.4%	-9.1%

2400K | Rf: 90.2 | Rg: 99.3
Color Vector Graphic
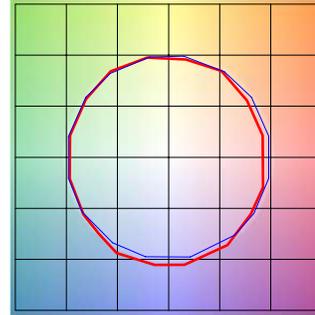
Test Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	89.0	-4.8%	1.1%
2	90.4	-3.7%	3.2%
3	88.1	-0.7%	5.2%
4	93.0	-2.1%	0.9%
5	94.5	-0.1%	2.0%
6	94.7	1.7%	0.6%
7	93.7	-1.9%	-1.5%
8	96.8	-1.2%	0.2%
9	91.9	-1.8%	3.7%
10	88.8	-0.9%	6.1%
11	87.5	3.8%	7.1%
12	89.6	4.3%	0.3%
13	88.1	4.2%	-9.1%
14	82.5	2.8%	-10.6%
15	91.4	-2.1%	-4.2%
16	84.0	-3.6%	-9.9%

2700K | Rf: 89.5 | Rg: 98.3
Color Vector Graphic
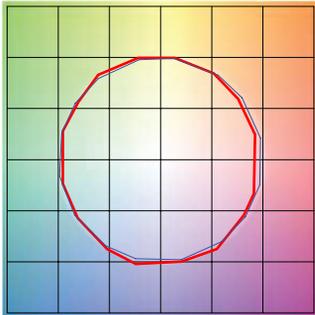
Test Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	88.6	-5.2%	0.9%
2	90.3	-3.6%	2.9%
3	88.4	-1.5%	5.0%
4	91.9	-2.5%	1.4%
5	93.5	-0.9%	2.3%
6	95.7	0.9%	-0.4%
7	91.1	-3.7%	-0.5%
8	95.8	-2.0%	0.4%
9	90.5	-2.6%	4.5%
10	84.9	-1.1%	8.7%
11	85.0	2.3%	9.8%
12	88.1	5.5%	1.5%
13	90.9	2.9%	-5.2%
14	86.2	4.3%	-8.9%
15	90.7	-2.4%	-3.6%
16	83.0	-2.7%	-11.3%

3000K | Rf: 88.7 | Rg: 98.2
Color Vector Graphic
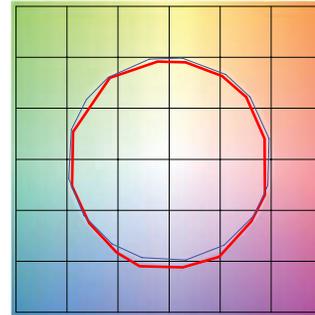
Test Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	88.3	-5.2%	0.8%
2	90.2	-3.7%	2.7%
3	88.3	-1.6%	4.9%
4	92.2	-2.0%	1.8%
5	91.0	-3.5%	1.8%
6	95.8	0.4%	-0.4%
7	90.2	-4.4%	-0.0%
8	94.8	-2.6%	0.8%
9	89.2	-2.9%	6.0%
10	81.4	-1.5%	9.7%
11	82.9	2.3%	10.5%
12	88.3	6.7%	1.9%
13	91.9	2.8%	-4.0%
14	86.3	4.9%	-8.3%
15	87.1	-1.2%	-6.1%
16	83.2	-1.7%	-11.6%

3500K | Rf: 88.1 | Rg: 97.1
Color Vector Graphic
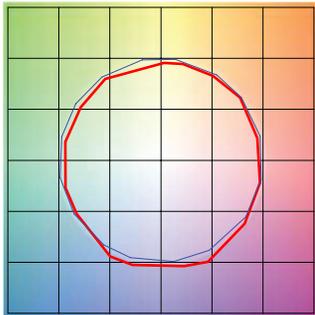
Test Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	87.8	-5.2%	1.0%
2	90.8	-3.3%	2.3%
3	89.8	-1.6%	3.9%
4	91.0	-2.7%	0.9%
5	90.0	-5.4%	0.7%
6	95.6	-0.9%	-0.4%
7	90.0	-5.3%	1.4%
8	91.8	-3.6%	3.0%
9	87.1	-2.9%	7.3%
10	80.1	-1.3%	12.2%
11	81.8	4.1%	10.5%
12	88.2	5.1%	2.3%
13	92.4	2.1%	-3.8%
14	86.6	5.0%	-7.9%
15	86.2	-0.7%	-6.8%
16	84.5	-2.1%	-7.0%

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4

TM30 DATA
## 24VDC, 5W | 7W OUTDOOR, STATIC WHITE & WARM DIM

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.

2700D | Rf: 90.7 | Rg: 101.1
Color Vector Graphic
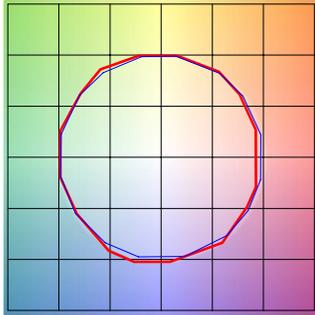
Test Reference

HUE BIN	Rf	CHROMA	HUE
1	90.9	-4.1%	1.1%
2	91.8	-2.2%	3.2%
3	89.0	0.2%	5.0%
4	92.9	-1.1%	0.8%
5	93.9	1.1%	1.7%
6	93.3	3.3%	0.0%
7	93.1	-0.5%	-1.9%
8	97.2	-0.3%	-0.9%
9	93.4	-1.0%	3.2%
10	89.9	-0.1%	5.6%
11	87.0	4.7%	7.2%
12	89.2	5.8%	-0.2%
13	89.1	3.5%	-6.7%
14	86.3	4.1%	-9.2%
15	91.4	-2.0%	-3.6%
16	84.7	-2.1%	-10.3%

3000D | Rf: 90.6 | Rg: 101.1
Color Vector Graphic
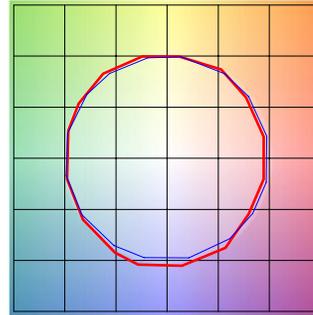
Test Reference

HUE BIN	Rf	CHROMA	HUE
1	91.5	-3.5%	1.3%
2	92.2	-1.8%	3.0%
3	89.3	0.5%	4.8%
4	92.7	-1.1%	0.6%
5	93.3	0.5%	1.4%
6	93.8	2.7%	-0.8%
7	91.2	-2.1%	-0.2%
8	97.0	-0.5%	-0.7%
9	92.5	-0.7%	3.8%
10	88.3	0.9%	7.1%
11	87.5	3.9%	7.6%
12	88.2	6.2%	-0.2%
13	89.9	3.4%	-6.0%
14	86.9	4.4%	-8.5%
15	91.9	-1.9%	-2.9%
16	84.7	-1.3%	-10.6%

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