

# SABER MINI SUSPENSION 0.6" ROUND

## 24VDC 5W OUTDOOR/WET LOCATION, TUNABLE WHITE

ASSEMBLED IN AMERICA | US PATENT PENDING

REV 04.11.25



### DESCRIPTION

Visually stimulating and housed within our proprietary optical silicone lens, the Saber Mini Suspension is tension hung offering flexible installation options, and conceptual yet functional design. The suspension bends up and down giving it the unique ability to traverse open spaces wall to wall, wall to ceiling, and floor to ceiling. The 0.6" wide round lens, offers superior color quality and performance while creating uniform illumination without pixelation, using cutting edge remote phosphor technology. Saber Mini Suspension in Tunable White **2K6K** (2000K-6500K) grants independent control and adjustment of color temperature and intensity from 2000K (Sunset) through 6500K (Daylight White). Human-Centric lighting promotes, focus, performance, mood, and overall well-being by fine-tuning the emotional effects that light has on the circadian cycle. Saber Mini is an IP66 rated wet location system featuring watertight barrel connections. System includes a pair of turnbuckles and aircraft cable, remote power supplies and canopies sold separately. Includes a 5-year pro-rated warranty. Patent Pending. For custom designs and quotes, email our design team: [design@PureEdgeLighting.com](mailto:design@PureEdgeLighting.com).

### LUMEN PERFORMANCE at 3000K 7W PER FOOT

(Refer to page 2 for full lumen data)

LUMEN OUTPUT	308 lm/ft
EFFICIENCY	54 lm/watt
CRI	93+
R9	67
BEAM ANGLE	160°
CCT TOLERANCE	+/- 30CCT

### SPECIFICATIONS

DIMENSIONS	Height: 0.49" Width 0.60"
INPUT	120/277V
POWER SUPPLIES	Remote 24VDC
POWER CONSUMPTION	5 watts per foot
INCREMENTS	1'
MAX LENGTH	5W - Up to 40' with power feeds at both ends, 20' with one feed
REQUIRED COMPONENTS	Power Supplies & Power Cables
MATERIAL	Optical Silicone
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 IP66 Rated, ETL listed, RoHS

### REMOTE POWER SUPPLIES\* & CONTROLS (SOLD SEPARATELY)

24VDC, Class 2 wiring

#### OUTDOOR

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

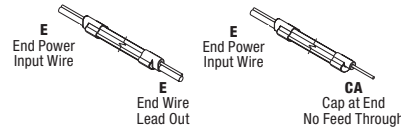
#### INDOOR

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

\*In-Wall Mounting and drop ceiling Kits available for select power supplies



### Wet Location End Cap with Aircraft Cable



### POWER FEED ONE END ONLY

System	Model Shape	Wattage	Length in Feet	Color Temperature	5" Input Wire Feed	Output Wire	Environment
<b>FN</b>	<b>SMCS6</b>	<b>5W</b>	<b>20</b>	<b>2K6K</b>	<b>E</b>	<b>CA</b>	<b>W</b>
FN Flex Neon 24V	SMCS6 Saber Mini Suspension .6"	5W 5 watts per foot	5W - Up to 20' with power feed at one end	2K6K Tunable White 2000K-6500K	E End Power Input Wire	CA Cap at end, no feed through	W Outdoor wet location Barrel Connector cable leads

### POWER FEED BOTH ENDS

System	Model Shape	Wattage	Length in Feet	Color Temperature	5" Input Wire Feed	Output Wire	Environment
<b>FN</b>	<b>SMCS6</b>	<b>5W</b>	<b>20</b>	<b>2K6K</b>	<b>E</b>	<b>E</b>	<b>W</b>
FN Flex Neon 24V	SMCS6 Saber Mini Suspension .6"	5W 5 watts per foot	5W - Up to 21-40' with power feed at both ends	2K6K Tunable White 2000K-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 MINI SUSPENSION 0.6" ROUND

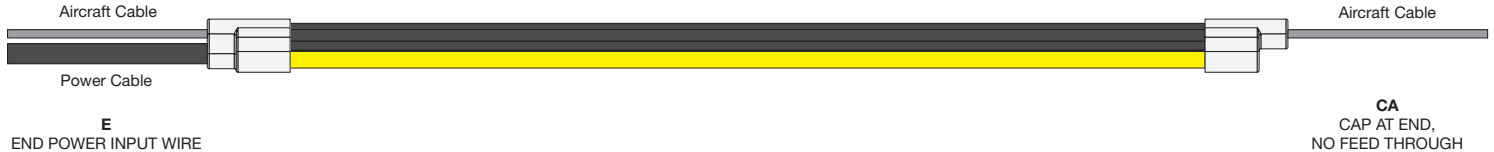
24VDC 5W OUTDOOR/WET LOCATION, TUNABLE WHITE

## Lamp Data

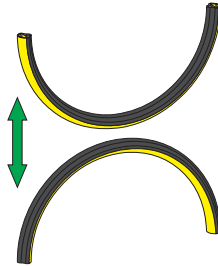
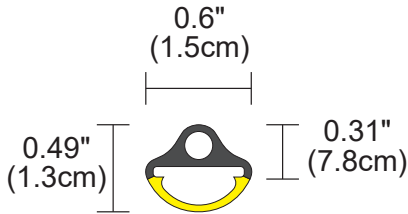
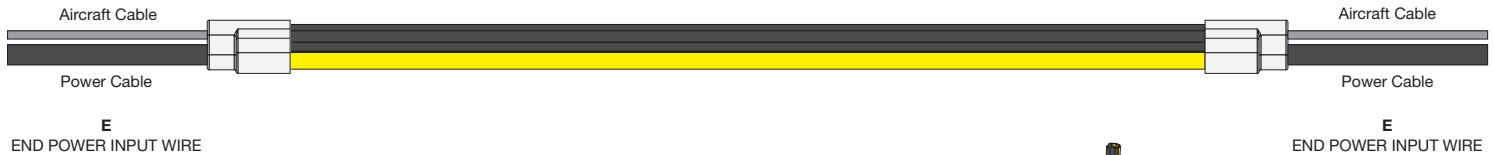
WATTS PER FOOT	2K6K - 7W (7 watts)								
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K	65K
LUMENS PER FOOT (lm/ft)	154	191	240	277	308	324	273	179	179
LUMENS PER WATT (lm/w)	43	45	56	48	54	46	48	46	52
CRI	81	87	90	90	90	93	92	92	93

## Drawings

### POWER FEED ONE END ONLY



### POWER FEED BOTH ENDS



Bends Up or Down

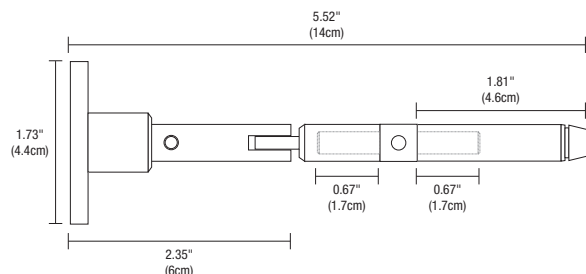
## LENGTH CHART Actual lengths for Mini Saber Suspension SMCS6

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

\*Requires power feed from both ends for lengths greater than 20'

# FLEX NEON OUTDOOR ACCESSORIES AND J-BOXES

24VDC 5W OUTDOOR/WET LOCATION, TUNABLE WHITE



## PAIR OF TURNBUCKLES AND AIRCRAFT CABLE (INCLUDED)

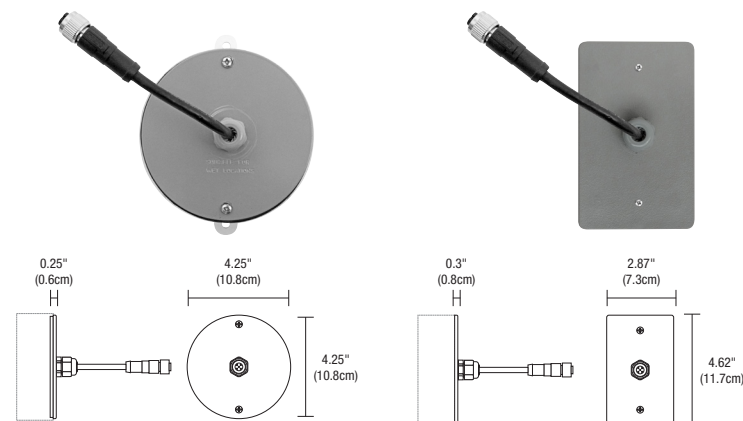
The Slim-Profile Turnbuckles hold the tension of the air craft cable running through the silicone Saber tube with LED strip. 6' stainless steel aircraft cable included.

Product	Finish
<b>SABT</b>	<b>SA</b>
SABT Saber Line Turnbuckle	SA Satin Aluminum



## AIRCRAFT CABLE (INCLUDED WITH AN EXTRA 6')

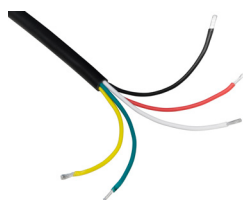
Product	Type	Length
<b>ACBL</b>	<b>SAB</b>	<b>50FT</b>
ACBL Aircraft Cable for Saber	SAB Saber	10ft to 50ft lengths



## CANOPY (ORDER SEPARATELY)

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

System	Type	Canopy	Finish
<b>OC8P</b>	<b>CFX-6C</b>	<b>RD</b>	<b>ZN</b>
OC8P Outdoor Canopy with 8' outdoor Power cable	CFX-6C Flexible 6 Conductor barrel cable connector	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
<b>OC</b>	<b>14G</b>	<b>5C</b>
OC Outdoor Cable	14G 14 Gauge	5C 5 Conductor



## RGB OR RGBW 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	Conductor	Option
<b>SS</b>	<b>CFX</b>	<b>16IN</b>	<b>6C</b>	<b>W</b>
SS Soft Strip and Flex Neon	CFX Flexible 4 Wire Connector	16IN 16" 96IN 96"	6C 6 Conductor	W Wet Location

PROJECT		FIXTURE TYPE		DATE	
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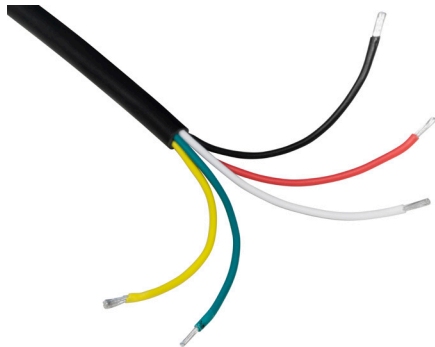


# FLEX NEON OUTDOOR ACCESSORIES AND J-BOXES

24VDC 5W OUTDOOR/WET LOCATION, TUNABLE WHITE



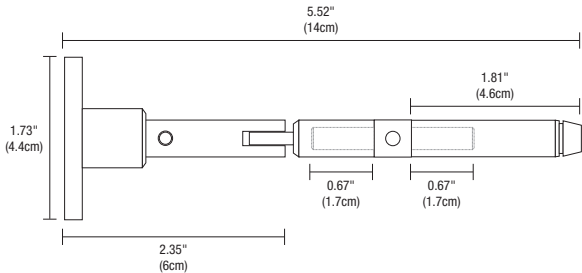
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### WET AND DAMP LOCATION CABLE ORDER PER FOOT

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
<b>0C</b>	<b>14G</b>	<b>5C</b>
<b>0C</b> Outdoor Cable	<b>14G</b> 14 Gauge	<b>5C</b> 5 Conductor



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

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

Product	Finish
<b>SABT</b>	<b>PN</b>
<b>SABT</b> Saber Line Turnbuckle	<b>PN</b> Polished Nickel

### AIRCRAFT CABLE (INCLUDED WITH AN EXTRA 6')



Product	Type	Length
<b>ACBL</b>	<b>SAB</b>	<b>50FT</b>
<b>ACBL</b> Aircraft Cable for Saber	<b>SAB</b> Saber	10ft to 50ft lengths

PROJECT		FIXTURE TYPE		DATE	
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TM30 DATA
24VDC 5W OUTDOOR/WET LOCATION, STATIC WHITE

TM-30-15 DATA: The data below is for Lazer Strip 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.

2000K ONLY (2K6K) | Rf: 84.3 | Rg: 96.9
Color Vector Graphic

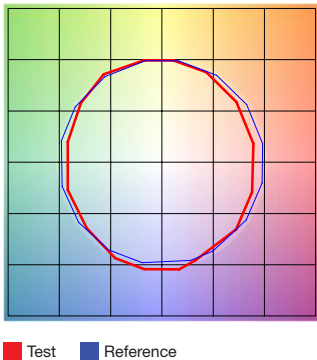


Table with 4 columns: HUE BIN, Rf, CHROMA, HUE. Rows 1-16 showing color shift data for 2000K ONLY (2K6K).

3000K (2K6K) | Rf: 90.2 | Rg: 101.4
Color Vector Graphic

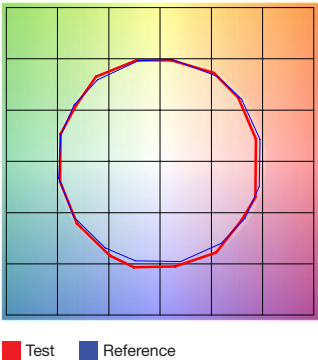


Table with 4 columns: HUE BIN, Rf, CHROMA, HUE. Rows 1-16 showing color shift data for 3000K (2K6K).