SABER MINI SUSPENSION 0.6" ROUND
24VDC 3W & 5W OUTDOOR/WET LOCATION, STATIC WHITE

PURE EDGE — Pure Smart Lighting | WiZ PRO

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. Offered in multiple, dimmable Static White Color Temperatures. 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.

LUMEN PERFORMANCE at 3000K 5W PER FOOT
(Refer to page 2 for full lumen data)

LUMEN OUTPUT	354 lm/ft
EFFICIENCY	80 lm/watt
CRI	95
R9	59
BEAM ANGLE	160°
CCT TOLERANCE	+/- 30CCT

SPECIFICATIONS

DIMENSIONS	Height: 0.49" Width 0.60"
INPUT	120/277V
POWER SUPPLIES	Remote 24VDC
POWER CONSUMPTION	3.3 or 4.4 watts per foot
INCREMENTS	1'
MAX LENGTH	3W-Up to 60' with power feeds at both ends, 30', with one feed 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

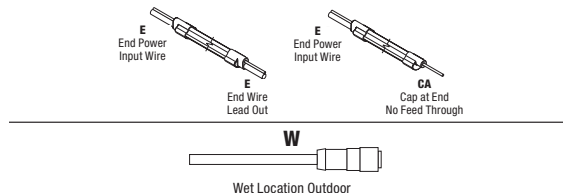## REMOTE POWER SUPPLIES* & CONTROLS (SOLD SEPARATELY)
24VDC, Class 2 wiring
OUTDOOR
- Pure Smart™ WiZ Pro Power Supplies & Controls
- UNI Driver: Universal Dimming (**TRIAC**, **ELV**, **0-10V**)
INDOOR
- Pure Smart™ WiZ Pro Power Supplies & Controls
- UNI Driver: Universal Dimming (**TRIAC**, **ELV**, **0-10V**)

Wet Location End Cap with Aircraft Cable

E
End Power Input Wire

E
End Power Input Wire

E
End Wire Lead Out

CA
Cap at End No Feed Through

W

Wet Location Outdoor

POWER FEED ONE END ONLY

System	Model Shape	Wattage	Length in Feet	Color Temperature		5" Input Wire Feed	Output Wire	Environment
FN	SMCS6	5W	20	27KZ		E	CA	W

FN Flex Neon 24V	SMCS6 Saber Mini Suspension .6"	3W 3.3 watts per foot 5W 4.4 watts per foot	3W - Up to 30' with power feed at one end 5W - Up to 20' with power feed at one end	24KZ 2400K Very Warm White 27KZ 2700K Incandescent White 30KZ 3000K Warm White	35KZ 3500K Neutral White 40KZ 4000K Cool White	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
FN	SMCS6	5W	20	27KZ		E	E	W

FN Flex Neon 24V	SMCS6 Saber Mini Suspension .6"	3W 3.3 watts per foot 5W 4.4 watts per foot	3W - Up to 31-60' with power feed at both ends 5W - Up to 21-40' with power feed at both ends	24KZ 2400K Very Warm White 27KZ 2700K Incandescent White 30KZ 3000K Warm White	35KZ 3500K Neutral White 40KZ 4000K Cool White	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
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PURE EDGE Pure Smart Lighting | **WiZ PRO**
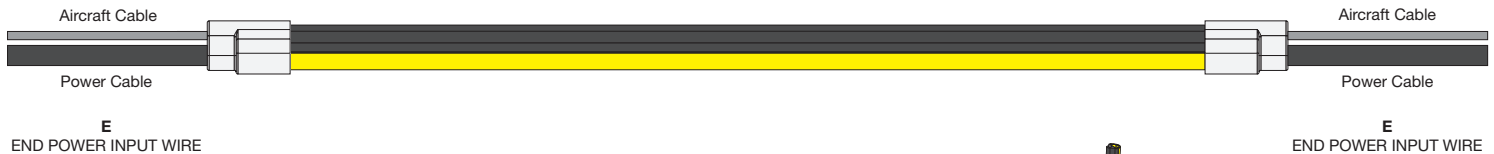
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LAMP DATA

	STATIC WHITE									
WATTS PER FOOT	3W (3.3 watts)					5W (4.4 watts)				
COLOR TEMPERATURE	24KZ	27KZ	30KZ	35KZ	40KZ	24KZ	27KZ	30KZ	35KZ	40KZ
LUMENS PER FOOT (lm/ft)	198	210	282	283	305	248	264	354	355	383
LUMENS PER WATT (lm/w)	60	64	85	86	92	56	60	80	81	87
CRI	90+	95+	95+	85+	85+	90+	95+	95+	85+	85+

DRAWINGS

POWER FEED ONE END ONLY

Aircraft Cable

Power Cable

E
END POWER INPUT WIRE

Aircraft Cable

CA
CAP AT END,
NO FEED THROUGH

POWER FEED BOTH ENDS

Aircraft Cable

Power Cable

E
END POWER INPUT WIRE

Aircraft Cable

Power Cable

E
END POWER INPUT WIRE

0.6" (1.5cm)

0.49" (1.3cm)

0.31" (7.8cm)
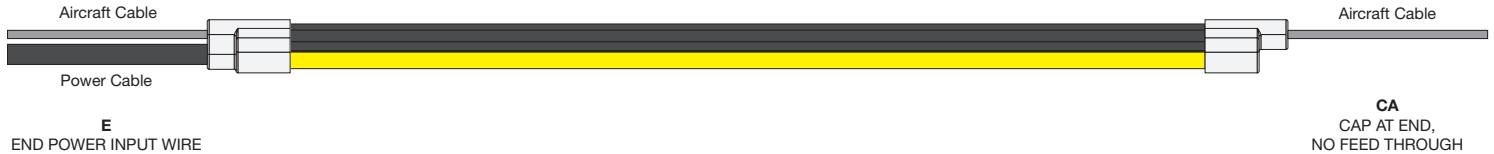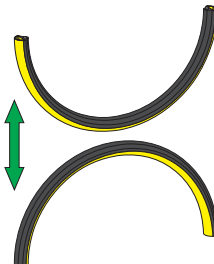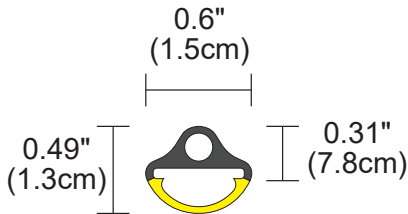
Bends Up or Down

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

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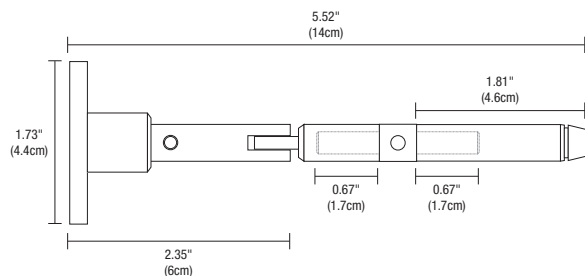PureEdge Lighting reserves the right to modify this specification without prior notice

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FLEX NEON OUTDOOR ACCESSORIES AND J-BOXES
24VDC 3W & 5W OUTDOOR/WET LOCATION, STATIC 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
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
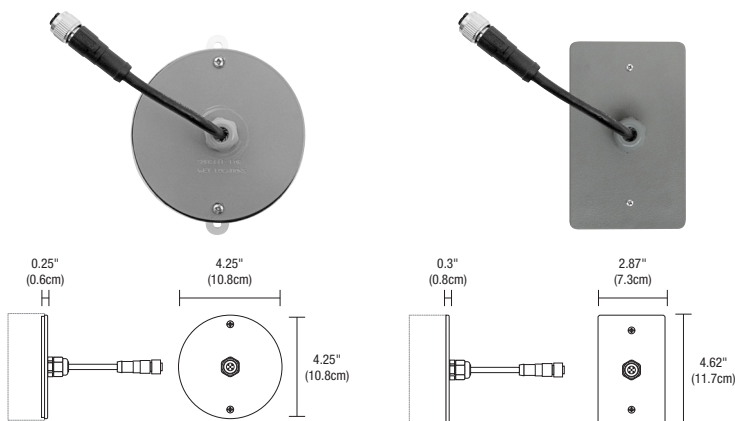
CANOPY (ORDER SEPARATELY)

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

System	Type	Canopy	Finish
OC8P	**CFX-6C**	**RD**	**ZN**
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
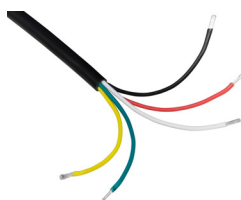
WET AND DAMP LOCATION CABLE ORDER PER FOOT

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
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
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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.

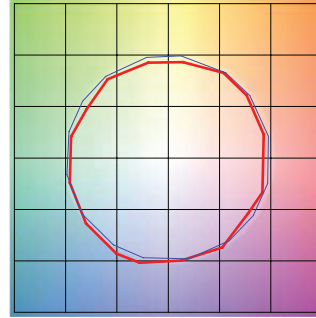### 2400K | Rf: 91.2 | Rg: 96.8
Color Vector Graphic
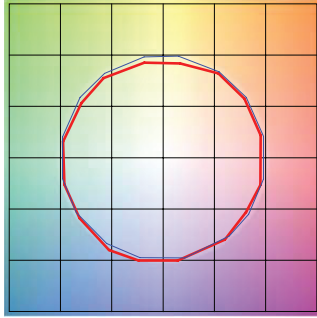
■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	92.0	-2.4%	1.5%
2	94.7	-2.1%	0.0%
3	95.4	-1.9%	-0.1%
4	88.7	-6.7%	-3.1%
5	92.8	-5.6%	1.0%
6	92.7	-3.4%	3.4%
7	89.9	-4.3%	4.1%
8	92.4	-1.4%	4.4%
9	89.0	-0.6%	5.8%
10	88.9	0.4%	6.2%
11	89.7	4.0%	5.4%
12	92.6	3.0%	-0.7%
13	90.9	1.1%	-7.0%
14	89.9	0.5%	-5.8%
15	92.1	-3.2%	0.1%
16	88.9	-1.7%	-6.3%

2700K | Rf: 87.7 | Rg: 96.1
Color Vector Graphic

■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	88.0	-4.3%	2.6%
2	91.6	-2.4%	2.0%
3	93.7	-1.4%	1.9%
4	88.9	-5.6%	-3.1%
5	92.3	-5.5%	-0.5%
6	92.9	-3.5%	0.1%
7	84.5	-7.5%	4.6%
8	90.8	-3.0%	4.4%
9	84.5	-1.3%	8.3%
10	83.9	2.0%	9.8%
11	87.2	5.3%	7.1%
12	89.2	5.4%	-2.6%
13	88.7	0.3%	-7.8%
14	86.8	1.7%	-9.3%
15	87.6	-5.4%	-1.3%
16	83.6	-3.3%	-9.5%

3000K | Rf: 88.1 | Rg: 99.7
Color Vector Graphic
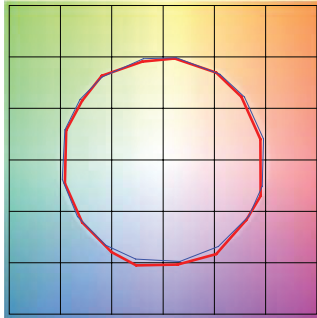
■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	92.5	-3.1%	0.3%
2	93.3	-2.3%	1.9%
3	90.9	-0.8%	3.9%
4	94.3	-1.1%	1.4%
5	92.5	-2.6%	1.5%
6	96.4	1.2%	-0.3%
7	92.6	-2.5%	-0.0%
8	96.9	-1.4%	0.2%
9	92.3	-1.8%	4.3%
10	86.6	-0.7%	7.0%
11	86.5	2.4%	8.2%
12	89.8	5.9%	1.7%
13	93.9	2.6%	-2.7%
14	89.4	5.1%	-5.8%
15	90.1	-0.1%	-4.7%
16	86.5	0.3%	-9.7%

3500K | Rf: 86.1 | Rg: 95.5
Color Vector Graphic
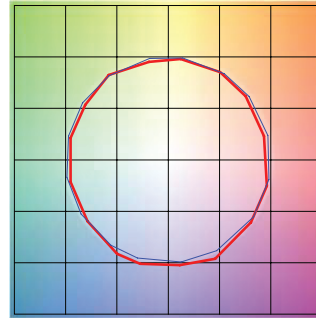
■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	90.8	-3.8%	0.3%
2	92.3	-2.8%	2.1%
3	89.7	-1.0%	4.3%
4	92.6	-1.4%	1.7%
5	91.8	-3.1%	1.3%
6	96.2	0.8%	-0.4%
7	92.9	-3.2%	0.2%
8	94.3	-2.5%	1.5%
9	90.4	-2.5%	5.2%
10	84.3	-1.4%	9.5%
11	83.1	3.5%	9.8%
12	88.2	4.8%	3.4%
13	94.0	2.7%	-2.0%
14	88.7	5.9%	-5.8%
15	88.7	0.7%	-5.9%
16	86.8	-0.7%	-6.7%

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