ETL Intertek | TITLE 24 JA8 | WARM DIM

PIPELINE VERTEX SUSPENSION
24VDC, REMOTE POWER

PURE EDGE LIGHTING

ASSEMBLED IN AMERICA | PATENT PENDING

REV 02.21.22

DESCRIPTION

The Pipeline Vertex Family of Fixtures from PureEdge Lighting brings together form, function, and style. The Pipeline 2 Vertex Suspension with Remote Power allows you to become the Lighting Designer. Create visually impressive and unique installations by grouping multiple Pipeline channels with compositions from 2 to 7 fixtures. The innovative flexibility of the Pipeline Vertex means you can easily adapt the arrangements to any space in the field or make adjustments in the future if furniture or space orientations are changed. Each fixture creates a clean, uninterrupted Direct beam of light through a Diffused White 280° Lens. Highly customizable, the Pipeline Vertex is available in various increments from 12" to 120" and multiple Color Temperatures, including Warm Dim 2700K **(27D)** or 3000K **(30D)** that dim down to 2000K. Available in 5 or 7 watts with outputs up to 135 lumens per watt (986 lumens/foot) using our Designer-grade High CRI (color rendering) LED strip. Choose from Several finish options and an optional Black or White Louver for additional Diffusion. Remote Power Supplies are sold separately. Fixture includes a 5 year pro-rated warranty. For custom finishes, designs, quotes and layout assistance, email our design team design@PureEdgeLighting.com. Patent Pending.

Wattages for this fixture are available in the following options:
- 5W - 5 watts per foot, lengths up to 120" (10ft)
- 7W - 7.5 watts per foot, lengths up to 72" (6ft)

FEATURES & BENEFITS

- Diffused White 280° lens, 176° beam spread
- 24VDC Class 2 Wiring from a Remote Power Supply feeding 24VDC up to 100 Watts End Feed or 200 Watts Center Feed at a maximum of 40' away
- Includes Canopy of your choice: Round 2.8", 4.6 or VR (Vanishing Point no visible canopy)
- Each channel includes two 12' adjustable coaxial cable and one power jumper cable

CHANNEL & CANOPY FINISHES

Satin Black	Chrome	Satin Nickel	White	Satin Brass
BK	**CH**	**SN**	**WH**	**SB**
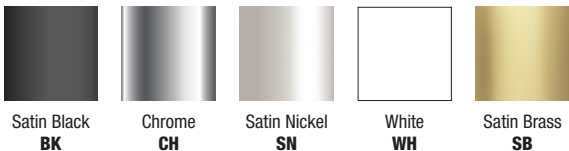
APPLICATIONS

Designed for indoor use only. Ideal applications in Commercial, Retail, Residential, Hospitality, Education, and Healthcare Institutions.

LAMPING

- Choose from multiple color temperatures ranging from 24K to 40K
- Warm Dim (optional) - 2700K to 2000K **(27D)** or 3000K to 2000K **(30D)**
- 60,000 Hour Lamp Life

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

24VDC, Class 2 wiring
- UNI Driver: Universal Dimming **(TRIAC, ELV, 0-10V)**
- Electronic Low Voltage **(ELV)**†
- Lutron Hi-Lume/Ecosystem

*In-Wall Mounting and drop ceiling Kits available for select power supplies
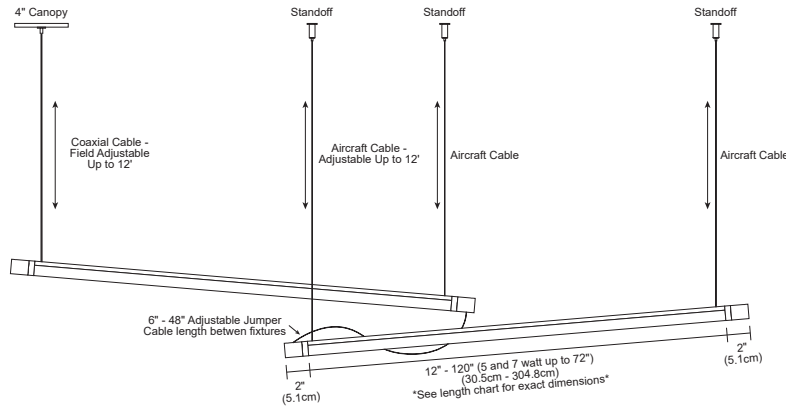†ELV power supplies are not compatible with nlight, use only Universal power supplies

MAXIMUM LENS LENGTH WITH 100 WATT POWER SUPPLY			
END FEED @ 5W LEG LENGTH	**END FEED @ 7W LEG LENGTH**	**CENTER FEED @ 5W LEG LENGTH**	**CENTER FEED @ 7W LEG LENGTH**
2 up to 120"	2 up to 72"	2 up to 120"	2 up to 72"
3 up to 72"	3 up to 48"	4 up to 120"	4 up to 72"
4 up to 60"	4 up to 36"	6 up to 80"	6 up to 48"
5 up to 48"	5 up to 24"	8 up to 60"	8 up to 36"
6 up to 36"	6 up to 24"		
	7 up to 24"		

APPROVALS

ETL Listed, Class 2 wiring, Title 24 JA8 listed for 2700K CCT and above when used with PureEdge remote Universal power supplies, Made in America 🇺🇸

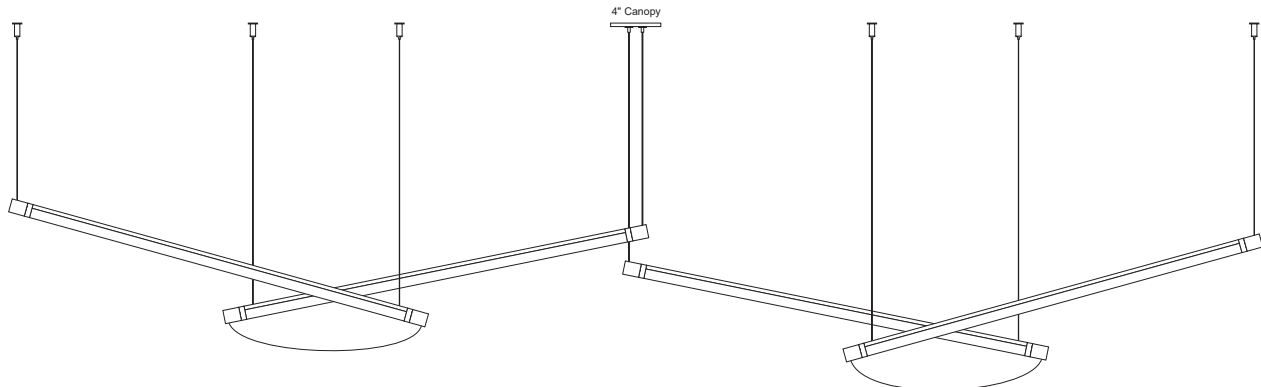| PROJECT		FIXTURE TYPE		DATE	

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PIPELINE VERTEX SUSPENSION
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END FEED

System		Cable Leads Between Fixtures	Wattage Per Foot	Feed	Canopy	Nominal Size in Inches	Color Temperature	Finish
PSV2R		**2**	**5W**	**E**	**4R**	**36**	**35K**	**SN**

PSV2R Pipeline Vertex Suspension, Remote Power, 2 Part @ 5W-120", 7W-72" max

PSV3R Pipeline Vertex Suspension, Remote Power, 3 Part @ 5W-72" & 7W-48" max

PSV4R Pipeline Vertex Suspension, Remote Power, 4 Part @ 5W-60", 7W-36" max

PSV5R Pipeline Vertex Suspension, Remote Power, 5 Part @ 5W-48", 7W-24" max

PSV6R Pipeline Vertex Suspension, Remote Power, 6 Part @ 5W-36", 7W-24" max

PSV7R Pipeline Vertex Suspension, Remote Power, 7 Part @ 5W-24" max

Cable Leads Between Fixtures:
- **.5** 6 inch
- **1** 1ft
- **2** 2ft
- **3** 3ft
- **4** 4 ft

Wattage Per Foot:
- **5W** 5 Watt
- **7W** 7.5 Watt

Feed:
- **E** End Feed

Canopy:
- **2R** 2.8 Inch Round Canopy
- **4R** 4.6 Inch Round Canopy
- **VR** Vanishing Point Plaster in system with No Canopy, only see cable going through ceiling

Nominal Size in Inches:

STATIC WHITE:
24, 32, 36, 41, 48, 60, 72, 80, 84*, 96, 108, 120

WARM DIM:
24, 36, 42, 48, 60, 72, 84*, 96, 108, 120

*Max Chrome Length
*See length chart for exact dimensions

Color Temperature:
- **24K** 2400K Very Warm White
- **27K** 2700K Incandescent White
- **27D** 2700K Warm Dim (5W only)
- **30K** 3000K Warm White
- **30D** 3000K Warm Dim (5W only)
- **35K** 3500K Neutral White
- **40K** 4000K Cool White

Finish:
- **BK** Black Powder Coat
- **CH** Chrome
- **SN** Satin Nickel
- **WH** White Powder Coat
- **SB** Satin Brass

4" Canopy · Standoff · Standoff · Standoff

Coaxial Cable - Field Adjustable Up to 12'

Aircraft Cable - Adjustable Up to 12'

Aircraft Cable

Aircraft Cable

6" - 48" Adjustable Jumper Cable length between fixtures

12" - 120" (5 and 7 watt up to 72")
(30.5cm - 304.8cm)
See length chart for exact dimensions

2" (5.1cm)

2" (5.1cm)

PS2VP End Feed

CENTER FEED

System		Cable Leads Between Fixtures	Wattage Per Foot	Feed	Canopy	Nominal Size in Inches	Color Temperature	Finish
PSV4R		**2**	**5W**	**C**	**4R**	**48**	**40K**	**BK**

PSV2R Pipeline Vertex Suspension, Remote Power, 2 Part @ 5W-120", 7W-72" max each leg

PSV4R Pipeline Vertex Suspension, Remote Power, 4 Part @ 5W-120" max, 7W-72"

PSV6R Pipeline Vertex Suspension, Remote Power, 6 Part @ 5W-80" max, 7W-48"

PSV8R Pipeline Vertex Suspension, Remote Power, 8 Part @ 5W-60" max, 7W-36"

PSV10R Pipeline Vertex Suspension, Remote Power, 10 Part @ 5W-48" max

PSV12R Pipeline Vertex Suspension, Remote Power, 12 Part @ 5W-36" max

PSV14R Pipeline Vertex Suspension, Remote Power, 14 Part @ 5W-32" max

Cable Leads Between Fixtures:
- **.5** 6 inch
- **1** 1ft
- **2** 2ft
- **3** 3ft
- **4** 4 ft

Wattage Per Foot:
- **5W** 5 Watt
- **7W** 7.5 Watt

Feed:
- **C** Center Feed

Canopy:
- **2R** 2.8 Inch Round Canopy
- **4R** 4.6 Inch Round Canopy
- **VR** Vanishing Point Plaster in system with No Canopy, only see cable going through ceiling

Nominal Size in Inches:

STATIC WHITE:
24, 32, 36, 41, 48, 60, 72, 80, 84*, 96, 108, 120

WARM DIM:
24, 30, 36, 42, 48, 60, 72, 84*, 96, 108, 120

*Max Chrome Length
*See length chart for exact dimensions

Color Temperature:
- **24K** 2400K Very Warm White
- **27K** 2700K Incandescent White
- **27D** 2700K Warm Dim (5W only)
- **30K** 3000K Warm White
- **30D** 3000K Warm Dim (5W only)
- **35K** 3500K Neutral White
- **40K** 4000K Cool White

Finish:
- **BK** Black Powder Coat
- **CH** Chrome
- **SN** Satin Nickel
- **WH** White Powder Coat
- **SB** Satin Brass

4" Canopy

PSV4R Center Feed

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Lamp Data: Lamp Data for Pipeline Vertex

	PSV										
DESCRIPTION	280º Diffused White Lens 176º Beam Spread										
WATTS PER FOOT	5w (5 watts)							7w (7.5 watts)			
COLOR TEMPERATURE	24K	27K	27D*	30K	30D*	35K	40K	24K	27K	30K	35K	40K
LUMENS PER FOOT (lm/ft)	429	471	407	515	445	590	641	620	681	744	852	926
LUMENS PER WATT (lm/w)	97	107	85	117	93	134	146	85	93	102	117	127
CRI	90+	95+	95+	95+	95+	85+	84	90+	95+	95+	85+	84

*27D, 30D - Warm Dim 5 Watts Only

5 Watt 176º

Distance	Foot Candles
1'	139
1.5'	92
2'	69
3'	45
4'	32
5'	24
6'	19
7'	15
8'	12

7 Watt 176º

Distance	Foot Candles
1'	227
1.5'	152
2'	114
3'	75
4'	54
5'	40
6'	32
7'	25
8'	21

CANDLE POWER DISTRIBUTION 176º

BEAM SPREAD CHART
PSV 3000K 5 WATT 176º

1.24" (3.1cm)

1.24" (3.1cm)
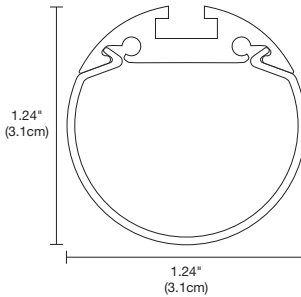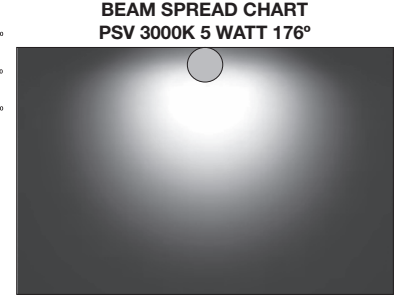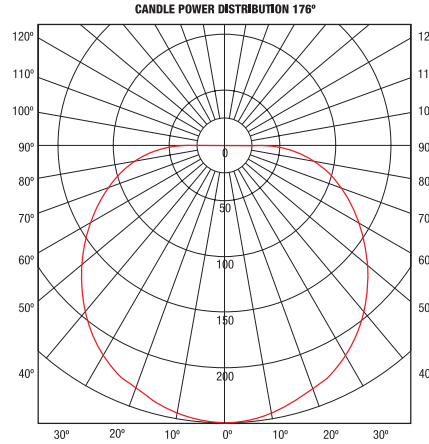
Pipeline 2 Channel
(Actual Size)
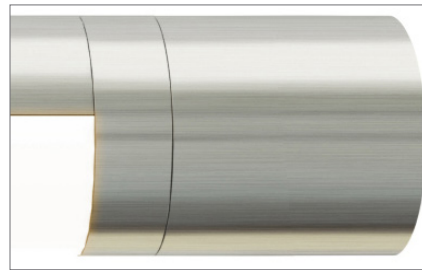
Diffused White Lens

Length Chart: Actual lengths for Pipeline Vertex Suspension with Remote Power - End Feed

STATIC WHITE						WARM DIM (27D & 30D)			
Nominal Length (Inches)	Actual Length (Inches)	Total Wattage (5W)	Total Lumens 3000K (5W)	Total Wattage (7W)	Total Lumens 3000K (7W)	Nominal Length (Inches)	Actual Length (Inches)	Total Wattage (5W)	Total Lumens 3000K (5W)
12	16	5	360	8	585	12	16	5	453
24	30	10	720	15	1170	24	30	10	906
36	40	15	1080	23	1755	36	40	15	1359
48	52	20	1440	30	2340	48	52	20	1812
60	64	25	1800	38	2925	60	64	25	2265
72	76	30	2160	45	3510	72	76	30	2718
84*	88	35	2520			84	88	35	3171
96	100	40	2880			96	100	40	3624
108	112	45	3240			108	112	45	4077
120	124	50	3600			120	124	50	4530

*84 inches is maximum shipping length for Chrome.

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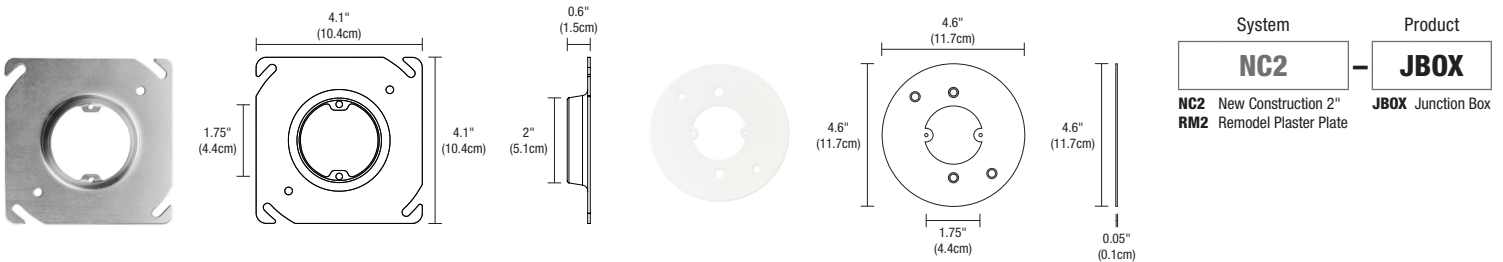
3

REMOTE POWER CANOPIES

The 2" Round and Square Canopy includes a NC2-JBOX junction box cover. The 4" canopies mount to a standard 4" junction box. Vanishing point is the only truly trimless and flush design available on the market with cables that disappear into the ceiling. Refer to the Vanishing Point specification for details and requirements including millwork options.

VR Grip Jack
0.2"
(0.5cm)

2.8"
(7cm)

4.1"
(10.4cm)

4.6"
(11.7cm)

VR (Vanishing Point)   **Plaster In System**   **2R (2" Round Canopy)**   **2S (2" Square Canopy)**   **4R (4" Round Canopy)**   **4S (4" Square Canopy)**
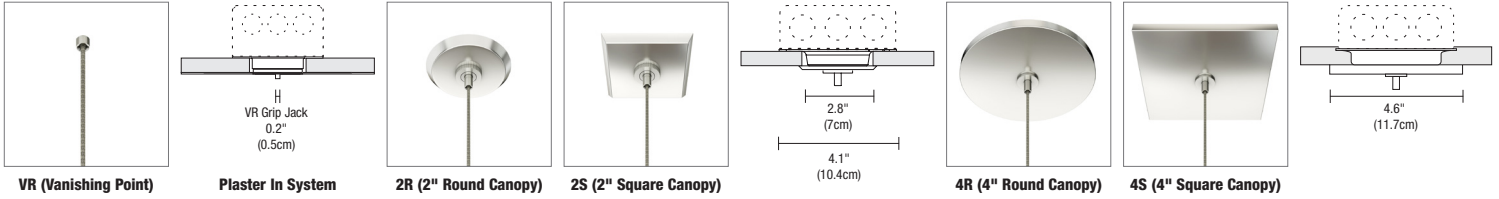
NEW CONSTRUCTION & REMODEL 2" COVER FOR 4" SQUARE JUNCTION BOX

The New Construction NC2-JBOX cover is included with the 2" Round and Square canopies and is not required for the 4" square canopies. The NC2 cover mounts to a standard 4" junction or octagon box accommodating the 2" Plaster Ring for use with the 2R and 2S canopies. The Remodel RM2-JBOX plaster plate cover can used with an existing 4" Square junction box. The PS-60L-ELV-24VDC (50 Watt IC, 60 Watt Non-IC) LED power supply fits within the junction box for a seamless aesthetic.

4.1"
(10.4cm)

0.6"
(1.5cm)

1.75"
(4.4cm)

4.1"
(10.4cm)

2"
(5.1cm)

4.6"
(11.7cm)

4.6"
(11.7cm)

4.6"
(11.7cm)

1.75"
(4.4cm)

0.05"
(0.1cm)

System	Product
NC2	JBOX

NC2   New Construction 2"
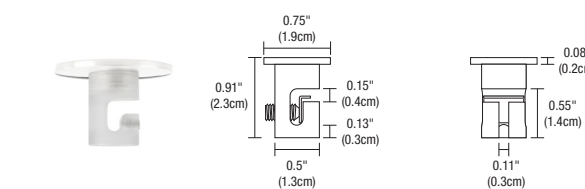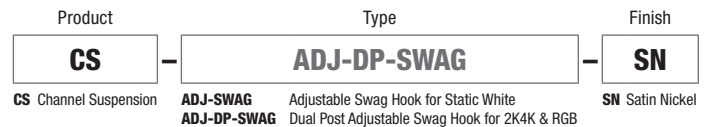RM2   Remodel Plaster Plate

JBOX   Junction Box

ACCESSORIES Additional components may be required based on lighting design and application.
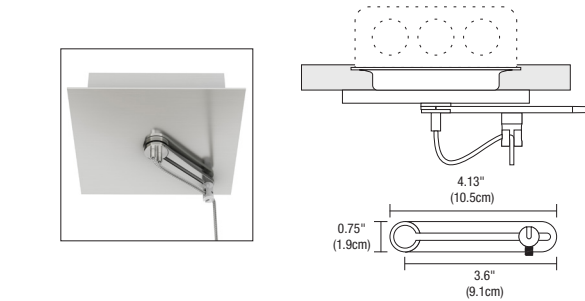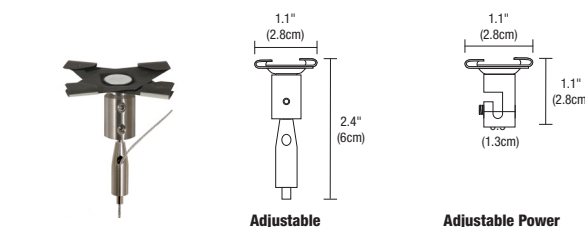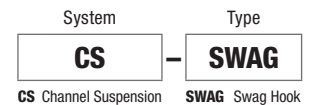
CHANNEL SUSPENSION ADJUSTABLE SWAG BAR AND HOOK

Channel Suspension Adjustable Swag Bar and Hook allows a cable to form a straight connection to the channel when the Power Canopy is not located directly above the fixture. Use when you have two or more canopies (power supplies) on the same fixture run. The Adjustable Swag Hook is compatible with the 2R, 2S, 4R and 4S Power Canopies (Canopy not included).

4.13"
(10.5cm)

0.75"
(1.9cm)

3.6"
(9.1cm)

Product	Type	Finish
CS	ADJ-DP-SWAG	SN

CS Channel Suspension

ADJ-SWAG   Adjustable Swag Hook for Static White
ADJ-DP-SWAG   Dual Post Adjustable Swag Hook for 2K4K & RGB
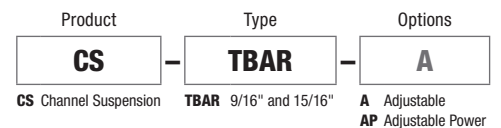
SN Satin Nickel

CHANNEL SUSPENSION SWAG HOOK

The clear plastic Swag Hook extends a cable from an electrical box that is not located directly above desired fixture location.

0.75"
(1.9cm)

0.08"
(0.2cm)

0.91"
(2.3cm)

0.15"
(0.4cm)

0.13"
(0.3cm)

0.55"
(1.4cm)

0.5"
(1.3cm)

0.11"
(0.3cm)

System	Type
CS	SWAG

CS Channel Suspension

SWAG Swag Hook

CHANNEL SUSPENSION ADJUSTABLE T-BAR CLIP

Channel Suspension Adjustable T-Bar Clip mounts to T-Bar grid ceilings. Adjustable is offered in Satin Nickel, Clear plastic for Adjustable Power.

1.1"
(2.8cm)

1.1"
(2.8cm)

2.4"
(6cm)

1.1"
(2.8cm)

1.3"
(1.3cm)

Adjustable   **Adjustable Power**

Product	Type	Options
CS	TBAR	A

CS Channel Suspension

TBAR   9/16" and 15/16"

A   Adjustable
AP   Adjustable Power

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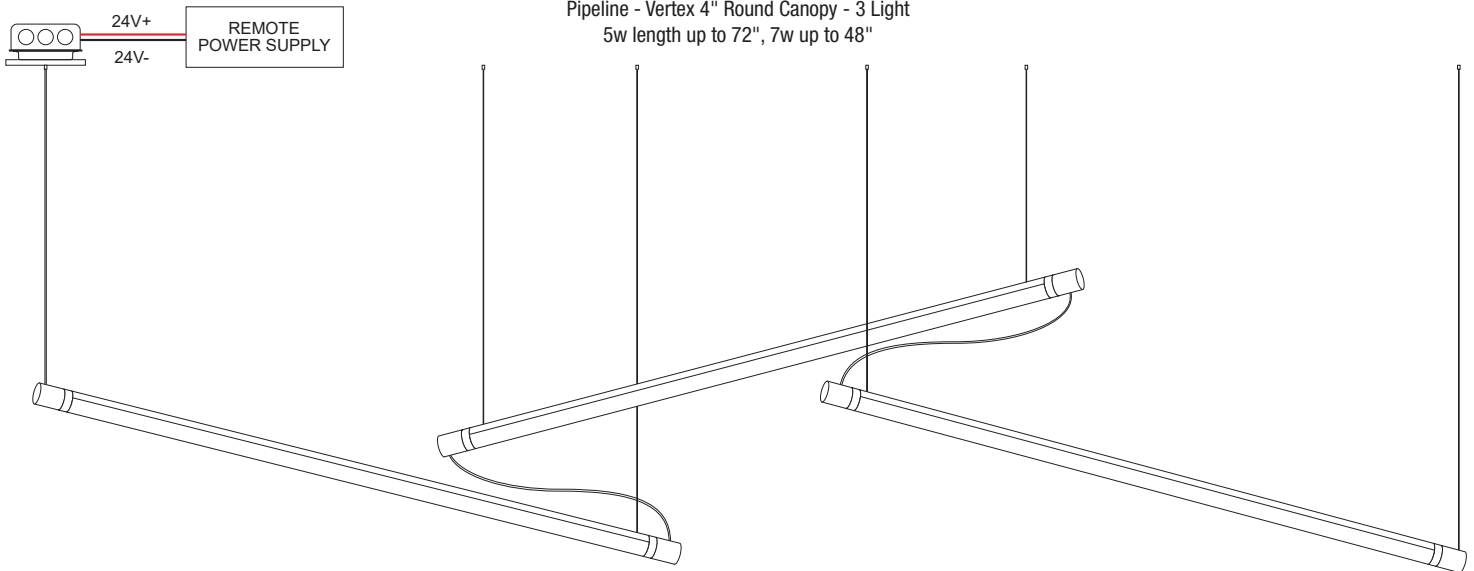# PIPELINE VERTEX SUSPENSION
24VDC, REMOTE POWER

PURE EDGE
LIGHTING

Drawings: Canopy and Channel Sizes for the Pipeline Vertex Suspension Downlight with Remote Power - End Feed

Pipeline - Vertex - 2 Light

4" Canopy

Standoff

Standoff

Standoff

Coaxial Cable - Field Adjustable Up to 12'

Aircraft Cable - Adjustable Up to 12'

Aircraft Cable

Aircraft Cable

6" - 48" Adjustable Jumper Cable length betwen fixtures

2"
(5.1cm)

12" - 120" (5 and 7 watt up to 72")
(30.5cm - 304.8cm)
See length chart for exact dimensions

2"
(5.1cm)

2"
(5.1cm)

24V+

24V-

REMOTE POWER SUPPLY
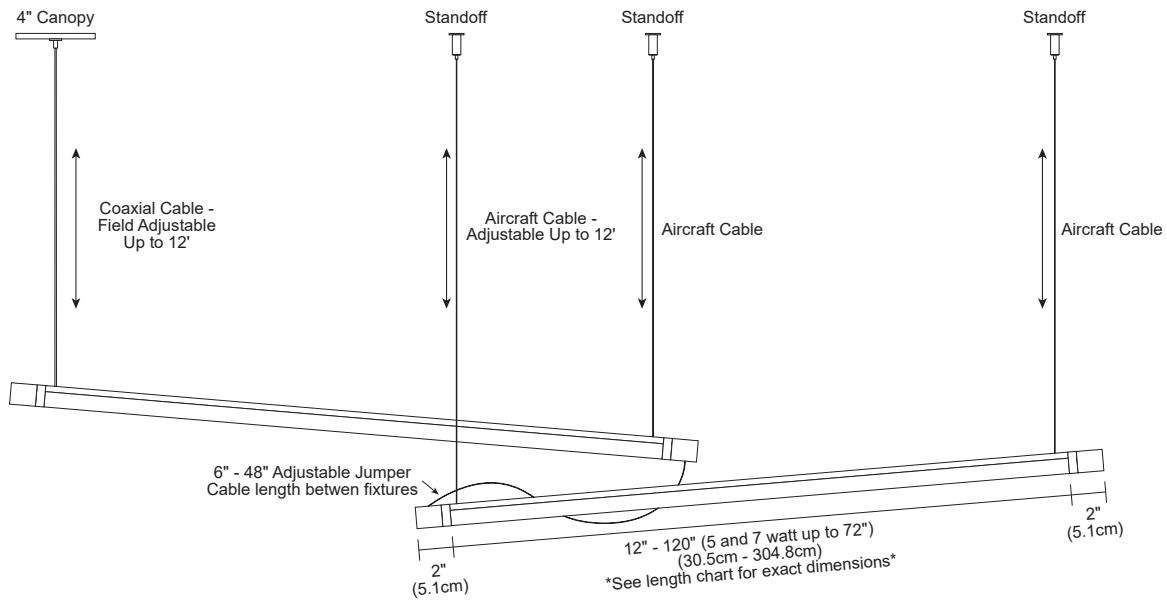
Pipeline - Vertex 4" Round Canopy - 3 Light
5w length up to 72", 7w up to 48"

Pipeline - Vertex - 4 Light, 60" each length
5w length up to 60", 7w up to 36"
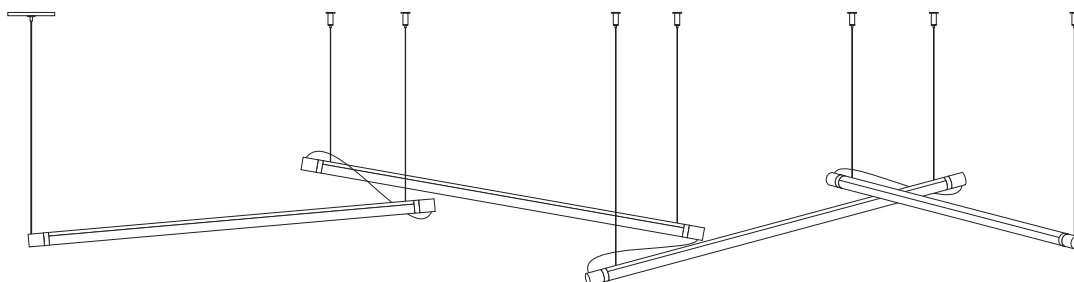
PROJECT		FIXTURE TYPE		DATE	

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PURE EDGE
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Drawings: Pipeline Vertex Suspension Downlight with Remote Power - End Feed
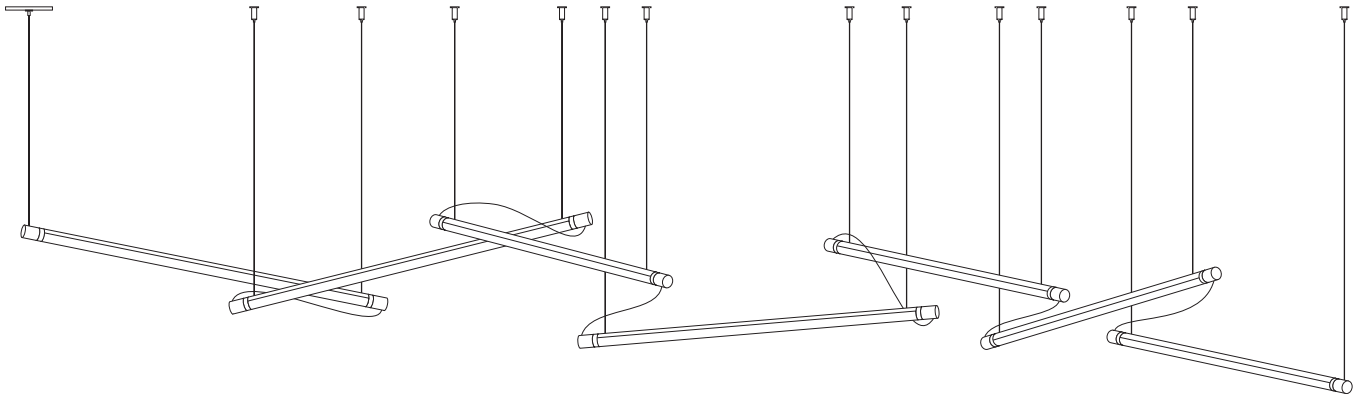
Pipeline - Vertex - 5 Light
5w length up to 48", 7w up to 31"
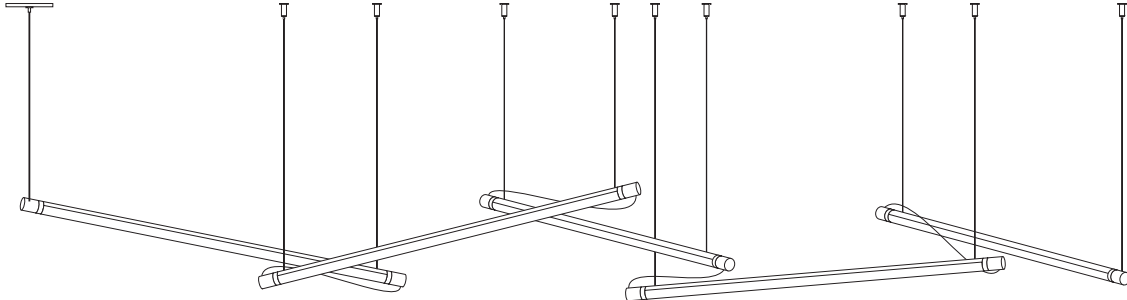
Pipeline - Vertex - 6 Light
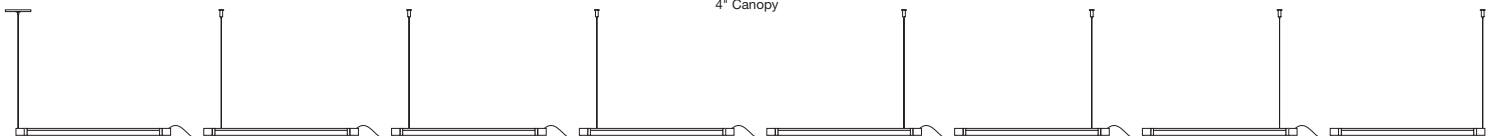5w length up to 40", 7w up to 24"
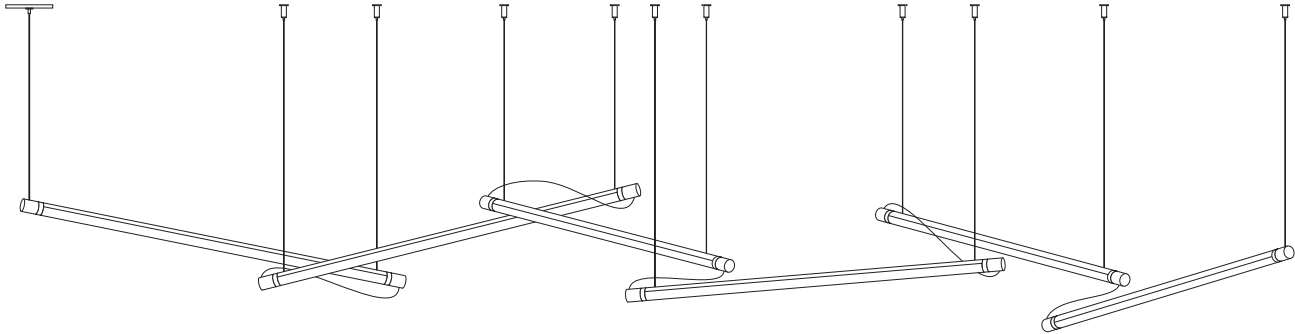
Pipeline - Vertex - 7 Light
5w length up to 24"

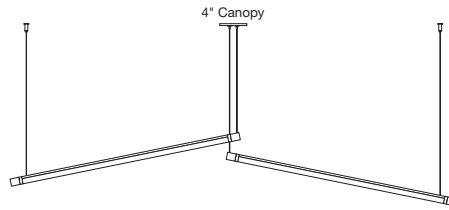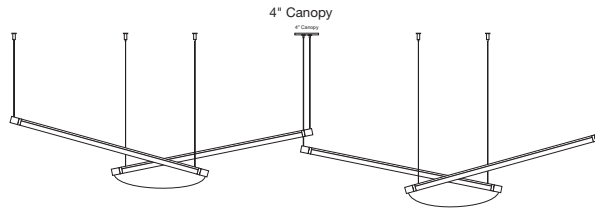Pipeline - Vertex - 8 Light
5W length up to 24"

4" Canopy

PROJECT		FIXTURE TYPE		DATE	

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Drawings: Pipeline Vertex Suspension Downlight with Remote Power - Center Feed
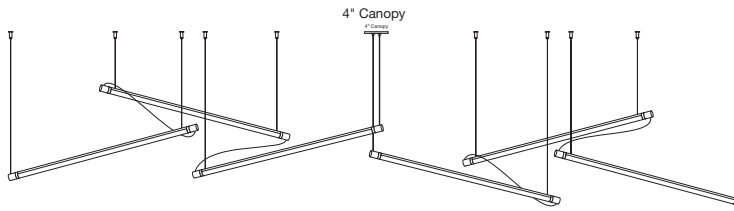
Pipeline - Vertex - 2 Light, 120" at 5w or 7w

4" Canopy

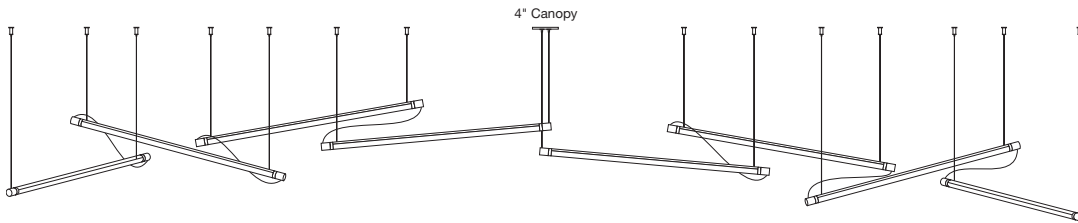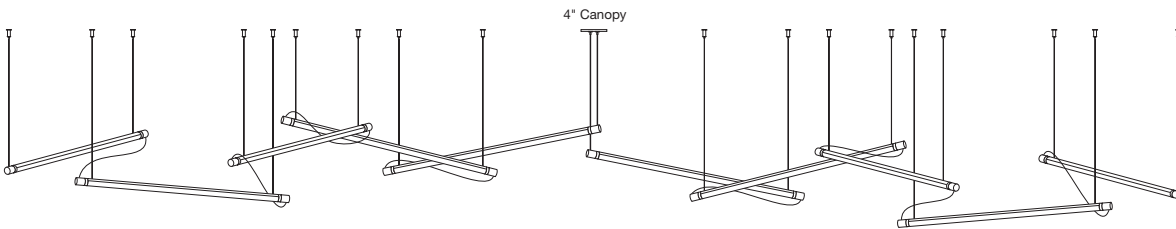Pipeline - Vertex - 4 Light, 120" at 5w, 72" at 7w

4" Canopy

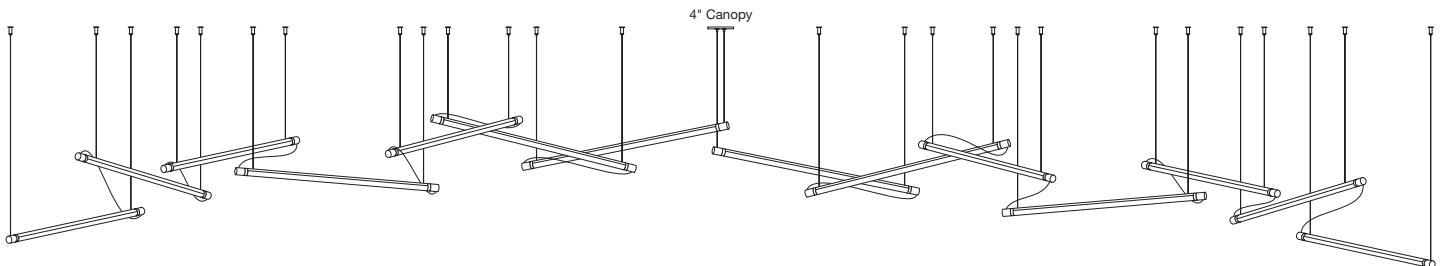Pipeline - Vertex - 6 Light, 80" at 5w, 48" at 7w

4" Canopy

Pipeline - Vertex - 8 Light, 60" at 5w, 36" at 7w

4" Canopy

Pipeline - Vertex - 10 Light, 48" at 5w, 32" at 7w

4" Canopy

Pipeline - Vertex - 14 Light, 24" at 5w

4" Canopy

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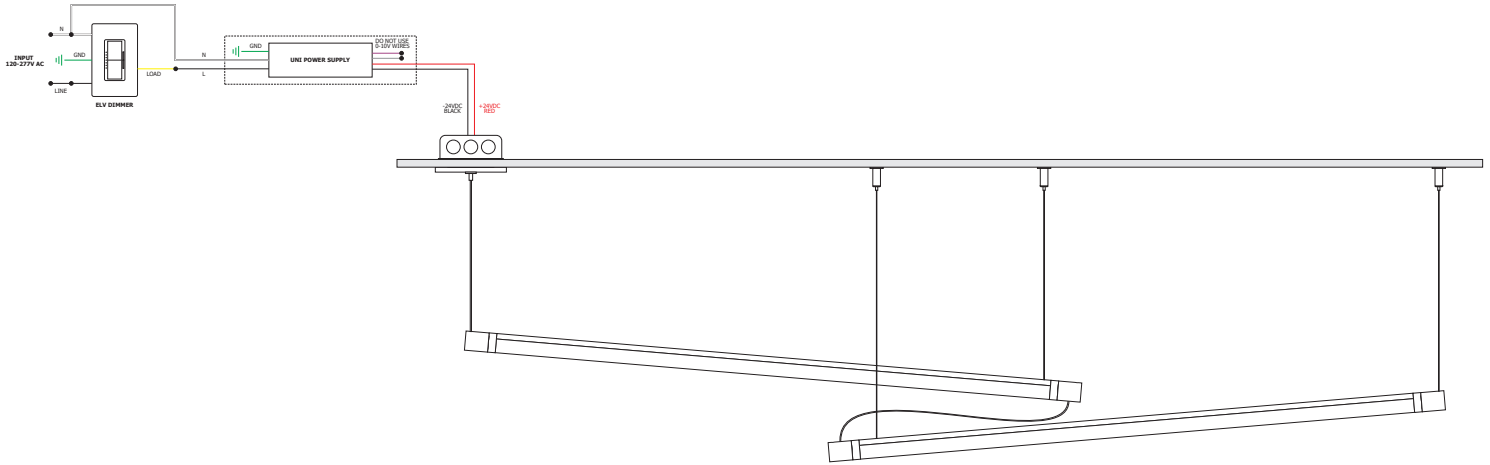
7

Wiring Diagram: Wiring diagram for an ELV Dimmer

Application: ELV dimming for Pipeline Suspension Downlight with Remote Power - End Feed
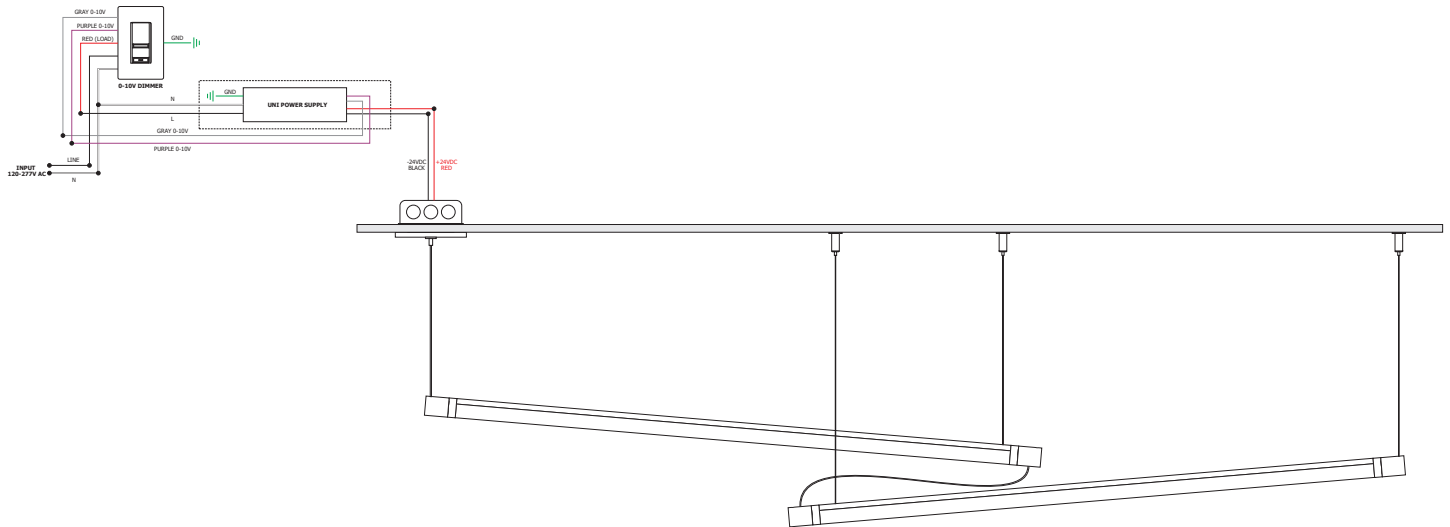
Dimming: Dimmable with ELV dimmer: Legrand, Adorne ADTP703TU;
Lutron: Diva DVELV-300P, Skylark SELV-300P, Maestro MAELV-600 and Radio Ra 2

Wiring Diagram: Wiring diagram for a 0-10 Dimmer

Application: 0-10 dimming for Pipeline Suspension Downlight with Remote Power - End Feed

Dimming: Dimmable with 0-10V dimmer: Philips Sunrise: SR1200ZTUNV; Lutron Diva: DVTV-WH, DVSTV-WH; Lutron Nova T: NTSTV-DV-XX; Lutron Grafix EYE QS: QSGRJ-XP; Lutron Radio Ra2: RRD-10ND; Leviton: LEV40050; Leviton IP710-LFZ; Legrand: ADPD4FBL3P2W4

| PROJECT		FIXTURE TYPE		DATE	

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TM30 DATA
24VDC, REMOTE POWER

TM-30-15 DATA: The data below is for SS5C and SS7C 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.

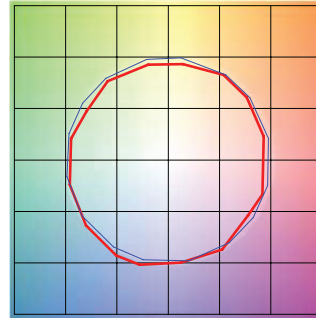### 2400K | Rf: 91.2 | Rg: 96.8
Color Vector Graphic
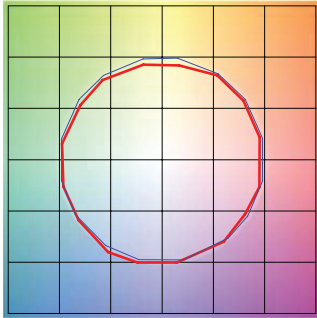
Test ■   Reference ■

HUE BIN	Rf	GRAPHIC SHIFTS %	
		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 ■

HUE BIN	Rf	GRAPHIC SHIFTS %	
		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
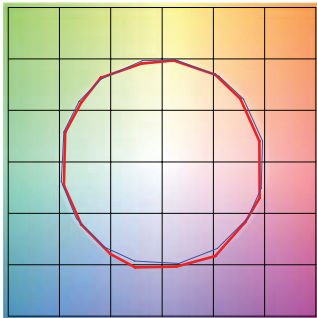
Test ■   Reference ■

HUE BIN	Rf	GRAPHIC SHIFTS %	
		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
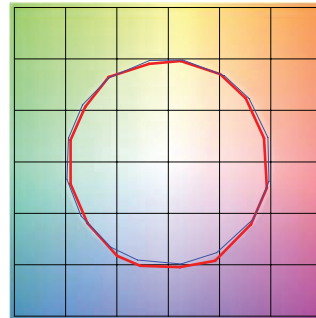
Test ■   Reference ■

HUE BIN	Rf	GRAPHIC SHIFTS %	
		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%

4000K | Rf: 87.6 | Rg: 96.8
Color Vector Graphic
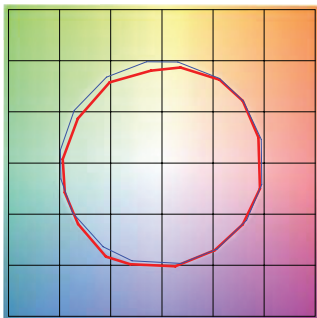
Test ■   Reference ■

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	88.9	-2.4%	2.5%
2	93.3	-0.4%	0.8%
3	94.8	-1.0%	-0.6%
4	87.9	-4.9%	-3.6%
5	85.3	-9.4%	-2.6%
6	90.2	-6.0%	0.2%
7	85.3	-7.6%	4.6%
8	83.7	-4.1%	8.2%
9	79.5	-1.1%	13.8%
10	78.6	1.5%	12.1%
11	83.5	6.4%	7.8%
12	90.9	3.6%	-1.1%
13	88.3	1.7%	-6.3%
14	91.9	-0.4%	-2.2%
15	84.5	-0.9%	-5.5%
16	84.7	-1.1%	-4.4%

PROJECT		FIXTURE TYPE		DATE	

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TM30 DATA
24VDC, REMOTE POWER

TM-30-15 DATA: The data below is for SS5C and SS7C 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.

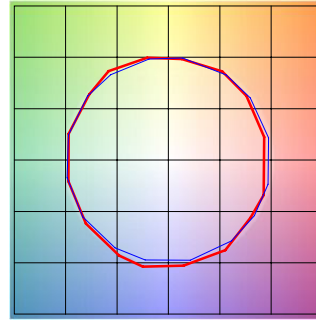**2700D** | Rf: 89.5 | Rg: 100.8
Color Vector Graphic
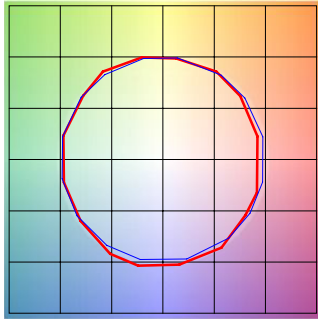
Test Reference

| HUE BIN | Rf | GRAPHIC SHIFTS % | |
		CHROMA	HUE
1	88.8	-5.1%	1.4%
2	89.8	-2.7%	4.1%
3	87.2	0.3%	5.9%
4	92.3	-0.9%	1.0%
5	93.3	1.5%	1.7%
6	92.4	3.6%	-0.2%
7	92.2	-0.9%	-2.4%
8	96.7	-0.4%	-1.1%
9	92.3	-1.2%	3.7%
10	88.9	-0.0%	6.1%
11	86.4	5.1%	7.4%
12	88.2	6.3%	-0.9%
13	87.2	3.8%	-8.1%
14	84.2	3.8%	-11.0%
15	89.8	-2.6%	-4.3%
16	82.7	-3.4%	-11.1%

3000D | Rf: 89.8 | Rg: 101.4
Color Vector Graphic

Test Reference

| HUE BIN | Rf | GRAPHIC SHIFTS % | |
		CHROMA	HUE
1	90.2	-4.2%	1.5%
2	90.9	-2.0%	3.7%
3	87.9	0.8%	5.5%
4	92.1	-0.9%	0.6%
5	93.0	1.5%	1.6%
6	92.2	3.9%	-0.2%
7	92.1	-0.3%	-2.0%
8	96.7	0.0%	-1.2%
9	92.5	-0.6%	3.7%
10	88.3	1.1%	7.0%
11	87.2	4.1%	7.4%
12	87.2	6.7%	-1.0%
13	88.2	3.8%	-7.2%
14	85.3	4.3%	-9.9%
15	90.9	-2.2%	-3.6%
16	83.4	-2.2%	-11.2%

PROJECT		FIXTURE TYPE		DATE	

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