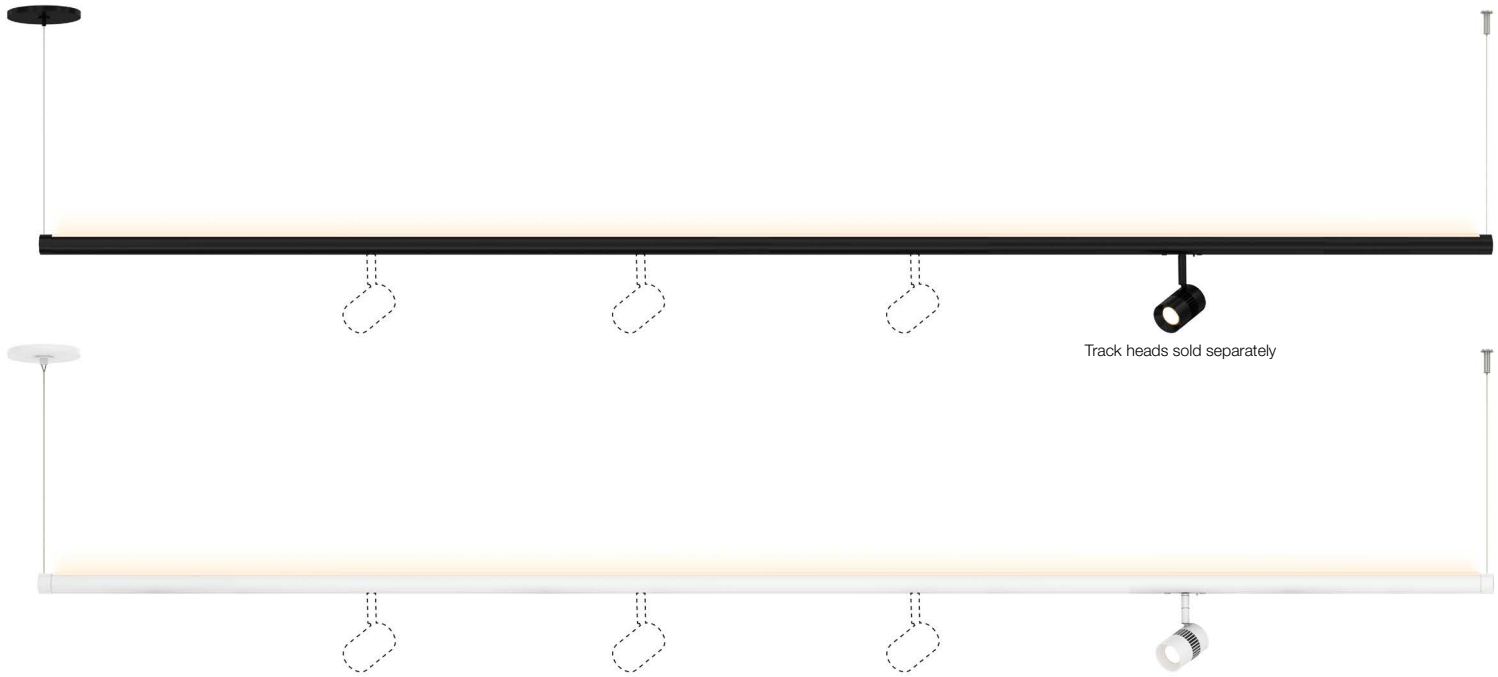


PIPELINE® TRACK 1 CIRCUIT SUSPENSION WITH UP LIGHT

REMOTE POWER, END FEED

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA | US PATENT ISSUED

REV 05.05.20



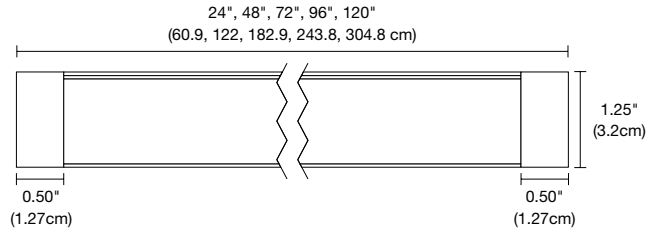
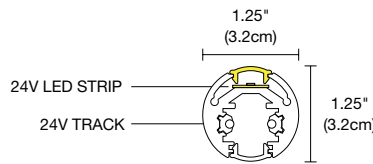
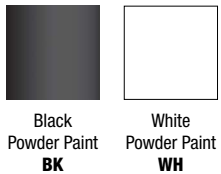
DESCRIPTION

Pipeline 1 Circuit Suspension Track with Uplight is a Linear fixture with an integrated LED up light that can be custom-tailored to any space instantly, by adding track heads at any point along the bottom of the suspension. The Uplight creates a clean, uninterrupted indirect beam of light, available in seven Color Temperatures (Kelvin), including Warm Dim **(27D)** 2700K or **(30D)** 3000K that dim down to 2000K. Compatible with 6 different Pure Edge T24 track heads that are ordered separately (refer to pages 5 and 6). Both the Uplight and Track Heads are powered by one 24VDC remote power supply (ordered separately). Fixture includes a 5-year prorated warranty. For custom finishes, designs and quotes, send drawings to design@PureEdgeLighting.com.

LED

- 5W - 4.4 Watts per Foot, Lengths up to 10ft
- 95+ CRI 2700K, 3000K, or 3000D Warm Dim

FINISHES



INSTALLATION

- Can mount to a Standard Junction Box, pre-wired from a Remote Power Supply feeding 24VDC, 96 watt per circuit at a maximum of 40' away using #12 Gauge Wire
- Includes adjustable 12' Coaxial Cables

APPLICATIONS

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

LAMPING

- 50,000 Hour Lamp Life

REMOTE POWER SUPPLIES (ORDER SEPARATELY)

- 0-10 Volt Dimming **(0-10V)**
- Universal Power Supplies and Dimming **(UNI)**

System	Indirect Lighting Wattage Per Foot	Canopy	Nominal Size	Indirect Color Temperature	Finish
PSTU1CR	5WX	2R	2	30K	WH
PSTU1CR Suspension Track, with Up light, 1 circuit, Remote Power	5WX 4.4 Watts 10mm strip	2R 2.8" Round Canopy 4R 4.6" Round Canopy 2R2 2 X 2.8" Round Canopy 4R2 4 X 2.8" Round Canopy VR Vanishing Point Plaster in system with No Canopy, only see cable going through drywall ceiling with GJ24	2 2 Feet 4 4 Feet 6 6 Feet 8 8 Feet 10 10 Feet	22K 2200K Amber White 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	BK Black Powder Paint WH White Powder Paint

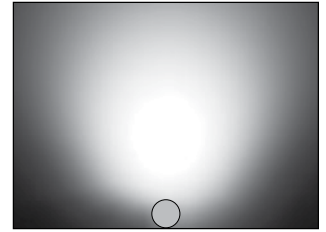
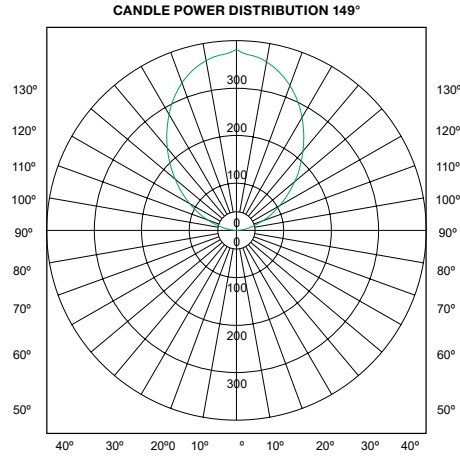
See Page 6 for Track Head information and ordering code.

PROJECT	FIXTURE TYPE	DATE
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LAMP DATA Lamp Data for Pipeline Track Suspension with Uplight and Remote Power

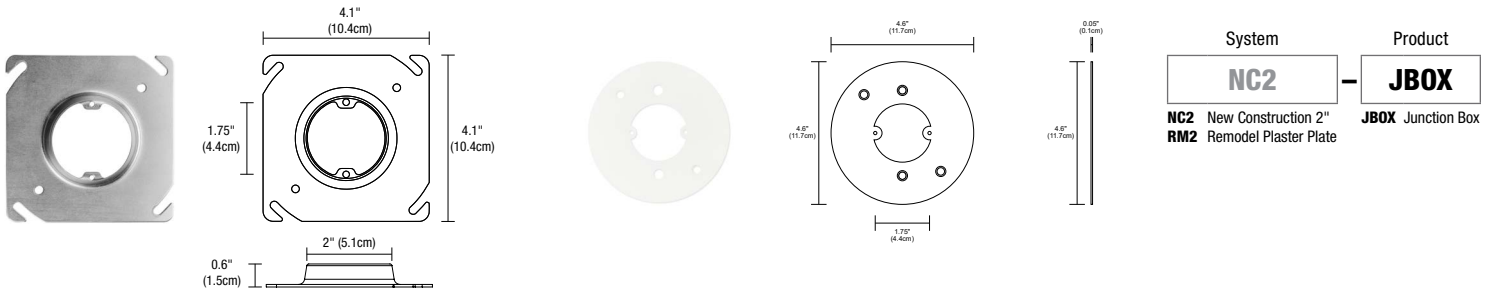
PSTU	
DESCRIPTION	INDIRECT LIGHTING
WATTS FOOT	5w (4.4 watts)
COLOR TEMPERATURE	30K
LUMENS PER FOOT (lm/ft)	250
LUMENS PER WATT (lm/w)	100
CRI	95+

30K			
Nominal Length (Inches)	Actual Length (Inches)	Total Wattage (5W)	Total Lumens Uplight 3000K (5W)
48	51	50	1176
72	75	70	2352
96	99	100	3000



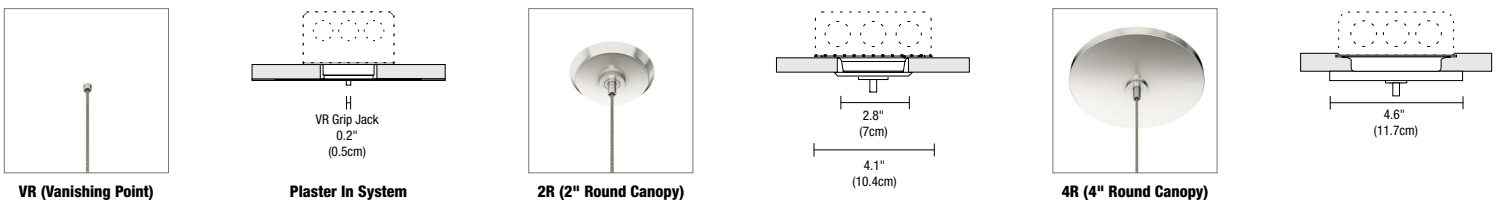
NEW CONSTRUCTION & REMODEL 2" COVER FOR 4" SQUARE JUNCTION BOX

The New Construction NC2-JBOX Cover is included with the 2" Round and Square Canopies and is not required for the 4" Square Canopies. NC2 New Construction Junction Box Cover mounts to a standard 4" Electrical Box or Octagon Box, converting it to a 2" Plaster Ring for use with the 2R (Round) or 2S (Square) Canopy. The Remodel RM2-JBOX Plaster Plate cover is used with an existing 4" Square Junction Box and standard Round Plaster Ring. The PS-60L-ELV-24VDC (50 Watt IC, 60 Watt Non-IC) will fit inside the NC2 or RM2-JBOX Cover and Electrical Junction Box for a flush look.



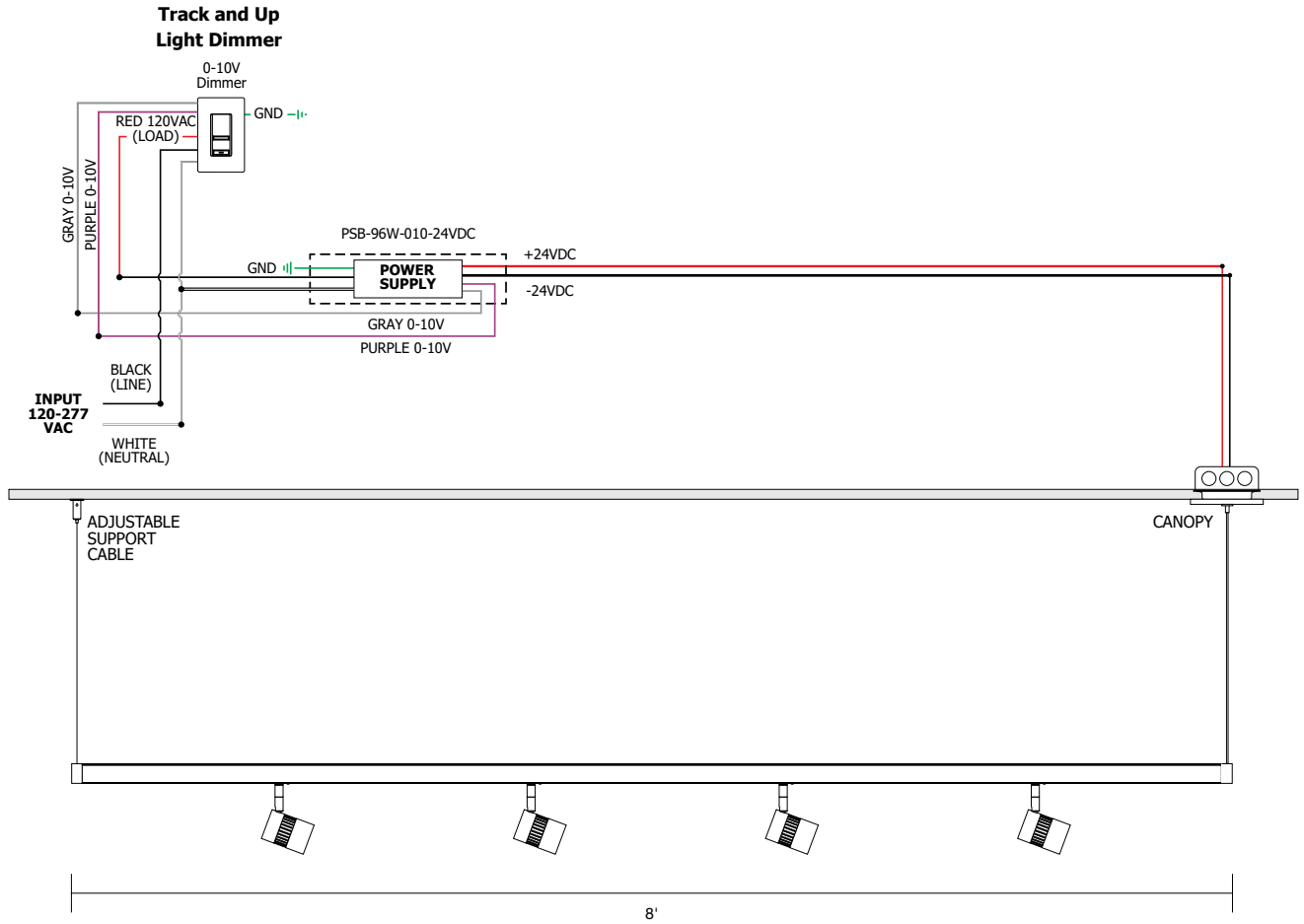
PIPELINE REMOTE POWER CANOPIES (INCLUDED)

Canopies are included with Canopy ordering code. The 2" Round Canopy includes a special Plaster Ring NC2-JBOX (above). The 4" Round Canopy fits on a standard 4" Electrical Box with Round Plaster Ring and the PS-60L-ELV-24VDC 50 Watt IC, 60 Watt Non-IC) will fit inside the NC2 or RM2-JBOX Cover and Electrical Junction Box for a flush look. Vanishing Point Plaster in system with No Canopy, only see cable going through drywall ceiling with GJ24.








PROJECT	FIXTURE TYPE	DATE
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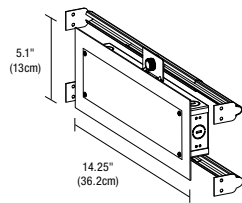
DRAWINGS Drawings are shown with 4" round canopy



PROJECT		FIXTURE TYPE		DATE	
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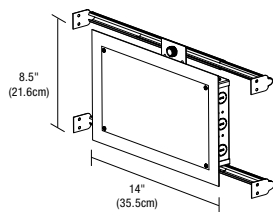
0-10 VOLT (010) POWER SUPPLIES & RECOMMENDED DIMMERS†		
ORDERING CODE	PSB-96W-010-24VDC 	PSB-200W-010-24VDC 
SPECIFICATIONS		
MAXIMUM LOAD	96W	200W
INPUT VOLTAGE	120-277VAC	120-277VAC
OUTPUT VOLTAGE	24VDC	24VDC
DIMENSIONS	12.4" X 3.12" X 2.18"	12.15" X 6.48" X 2.18"
CLASSIFICATION	CLASS 2	2108
IN-WALL MOUNTING	PSB-96W-010-24VDC-IW	PSB-200W-010-24VDC-IW

0-10 VOLT (010) POWER SUPPLIES & RECOMMENDED DIMMERS†			
ORDERING CODE	PSB-2X96W-010-24VDC 	PSB-3X96W-010-24VDC 	PSB-4X96W-010-24VDC 
SPECIFICATIONS			
MAXIMUM LOAD	2X96W	3X96W	4X96W
INPUT VOLTAGE	120-277VAC	120-277VAC	120-277VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC
DIMENSIONS	12.15" X 6.48" X 2.18"	14" X 10" X 3"	17" X 13" X 3"
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2
IN-WALL MOUNTING	PSB-2X96W-010-24VDC-IW	N/A	N/A
DIMMING & CONTROLS			
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	•	•	•



5.1 x 14.25 inch In-Wall Mounting Kit: Includes power supply, box cover and stud hangers for installing Junction Box in wall. Select "IW" in the options section of compatible power supply ordering codes if an In-Wall Mounting Kit is needed.

Ordering Codes: PSB-96W-010-24VDC-IW



8.5 x 14 inch In-Wall Mounting Kit: Includes power supply, box cover and stud hangers for installing Junction Box in wall. Select "IW" in the options section of compatible power supply ordering codes if an In-Wall Mounting Kit is needed.

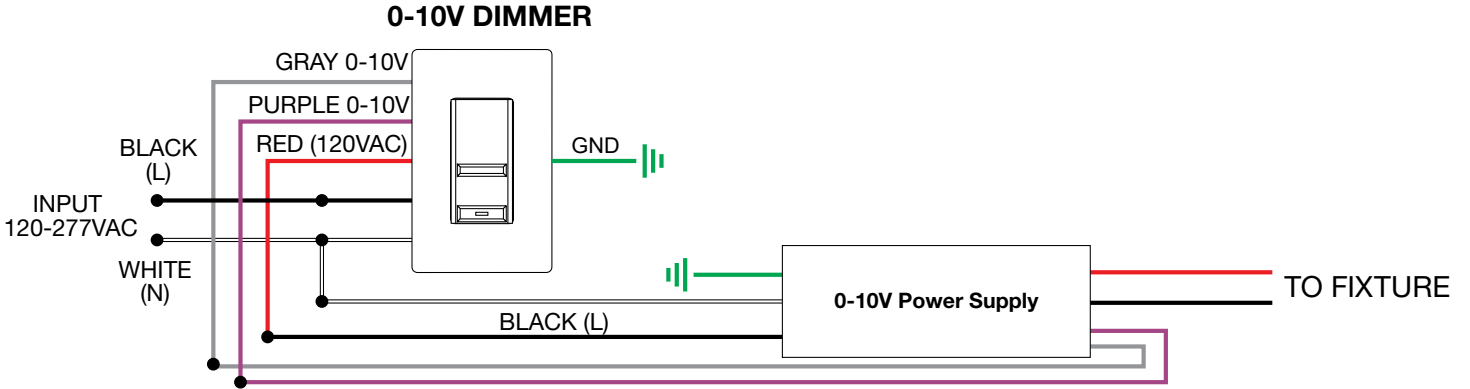
Ordering Codes: PSB-2X96W-010-24VDC-IW

PROJECT		FIXTURE TYPE		DATE	
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SAMPLE WIRING DIAGRAMS 24VDC 010

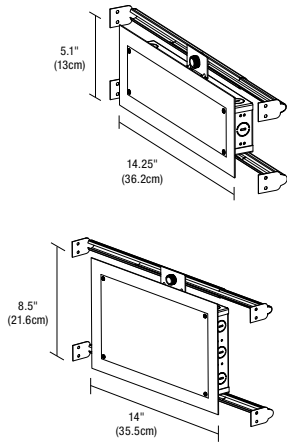
Application: 0-10V Dimming Applications For Static White and Dynamic Tunable White 0-10V Dual Dimming.

Dimming: Dimmable with 0-10V dimmers: Signify (Phillips) Sunrise: SR1200ZTUNV, Leviton Dimmers: LEV40050, IP710-LFZ, *IP710-DLZ *(Built in LED locator light) Legrand Dimmer: ADPD4FBL3P2W4 Lutron Systems: Lutron GRAFIX Eye QS Main Unit (with DRX-TVI) Radio Ra2 (with GRX-TVI)



PROJECT		FIXTURE TYPE		DATE	
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IN WALL MOUNTING OPTIONS



In-Wall Mounting Kit: Includes power supply, box cover and stud hangers for installing Junction Box in wall. Select "IW" in the options section of compatible power supply ordering codes if an In-Wall Mounting Kit is needed.

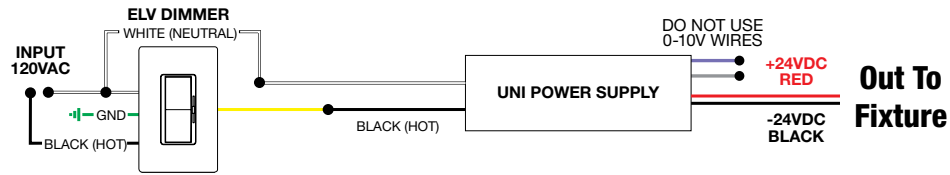
Ordering Codes 5.1 x 14.25 inch: PSB-40W-UNI-24VDC-IW
PSB-60W-UNI-24VDC-IW
PSB-96W-UNI-24VDC-IW

Ordering Codes 8.5 x 14.25 inch: PSB-2X40W-UNI-24VDC-IW
PSB-2X60W-UNI-24VDC-IW
PSB-2X96W-UNI-24VDC-IW

WIRING DIAGRAMS UNIVERSAL POWER SUPPLY

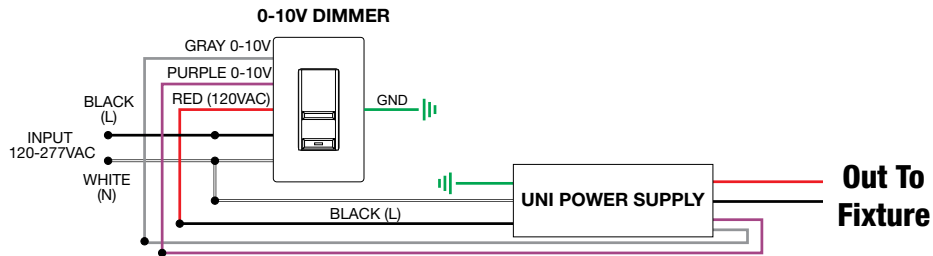
Application: ELV dimming for Static White and Warm Dim

Dimming: Dimmable with ELV dimmer: Legrand, Adorne ADTP703TU; Lutron: Diva DVELV-300P, Skylark SELV-300P, Maestro MAELV-600 and Radio Ra 2



Application: 0-10V dimming for Static White

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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PIPELINE® TRACK 1 CIRCUIT SUSPENSION WITH UP LIGHT

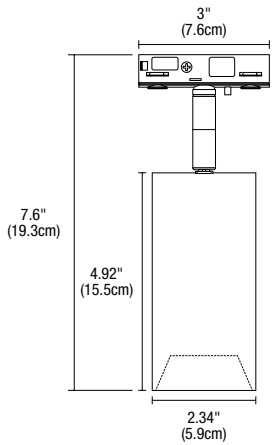
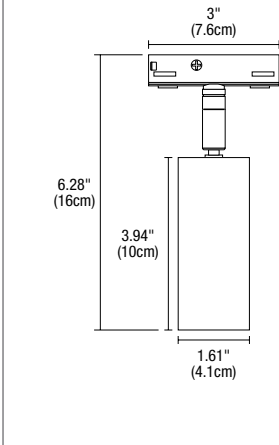
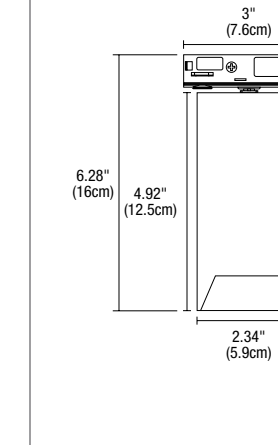
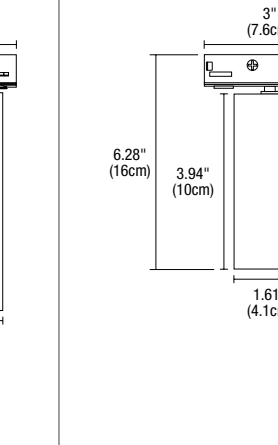
REMOTE POWER, END FEED

T24 TRACK HEADS 0-10V DIMMING ONLY

PRODUCT	TUBO LARGE	TUBO SMALL	TUBO LARGE DOWNLIGHT	TUBO SMALL DOWNLIGHT
T24 WARM DIM TRACK HEADS COMPARISON CHART				

ORDERING CODE	System	Fixture	Beam Spread Lens	Color Temperature	Finish
	T24	TUBS	NF	30K	WH
	T24 Mounts to any TS24 Surface Track, TR24 Recessed Track, Nova Track NCTR, NSTR, or Pipeline Track P1CTR or P1STR	TUBL Tubo Large TUBS Tubo Small* TUBLD Tubo Large Downlight TUBSD Tubo Small Downlight*	SP 15° or 20° Lens NF 25° Lens FL 40° Lens WF 60° Lens	24K 2400K Very Warm White 27K 2700K Incandescent White 30D 3000D Warm Dim 30K 3000K Warm White 35K 3500K Neutral White	WH White Powder Paint BK Black Powder Paint
	*SP, FL, & WF ONLY				

SPECIFICATIONS

T24 TRACK HEADS	TUBO LARGE WARM DIM LED 24VDC TRACK HEAD	TUBO SMALL WARM DIM LED 24VDC TRACK HEAD	TUBO LARGE DOWNLIGHT WARM DIM LED 24VDC TRACK HEAD	TUBO SMALL DOWNLIGHT WARM DIM LED 24VDC TRACK HEAD
				

DESCRIPTION	The TUBO LARGE WARM DIM LED 24VDC TRACK HEAD	The TUBO SMALL WARM DIM LED 24VDC TRACK HEAD	The TUBO LARGE DOWNLIGHT WARM DIM LED 24VDC TRACK HEAD	The TUBO SMALL DOWNLIGHT WARM DIM LED 24VDC TRACK HEAD
	includes reflector with ordering code that may be changed at the job site. Reflectors give a smooth uniform beam at Spot (SP) 15°, Narrow Flood (NF) 25°, Flood (FL) 40° or Wide Flood (WF) 60° beam spreads.	includes reflector with ordering code that may be changed at the job site. Reflectors give a smooth uniform beam at Spot (SP) 20°, Flood (FL) 40° or Wide Flood (WF) 60° beam spreads.	includes reflector with ordering code that may be changed at the job site. Reflectors give a smooth uniform beam at Spot (SP) 15°, Narrow Flood (NF) 25°, Flood (FL) 40° or Wide Flood (WF) 60° beam spreads.	includes reflector with ordering code that may be changed at the job site. Reflectors give a smooth uniform beam at Spot (SP) 20°, Flood (FL) 40° or Wide Flood (WF) 60° beam spreads.

COLOR TEMPERATURE	30D Warm Dim	30K Standard	30D Warm Dim	30K Standard	30D Warm Dim	30K Standard	30D Warm Dim	30K Standard
WATTAGE	14.45 W	14 W	7 W	9 W	14.45 W	14 W	7 W	9 W
TOTAL LUMENS*	1037	1317	411	494	1037	1317	411	494
LUMENS PER WATT*	72	91	63	56	72	91	63	56
CRI	98	92	96	93	98	92	96	93
R9	90	57	83	65	90	57	83	65
R13	100	93	98	94	100	93	98	94
Rf	95	91	93	91	95	91	93	91
Rg	100	98	101	100	100	98	101	100

FINISH Available in Black Powder Paint (BK) or White Powder Paint (WH)

MATERIAL Each T24 Track Head is made from Cast Aluminum

INPUT VOLTAGE 24VDC

FREQUENCY 50/60HZ

POWER FACTOR > 0.90

APPLICATION Suitable for damp or dry locations. Indoor use only.

DIMMING & FLICKER 0-10V dimming Flicker less than 4%

COMPLIANCE LABEL ETL TO UL 2108 STANDARD



LED LAMP LIFE 50,000 HOURS

For more detailed information, please view Product Spec Sheet for each Track Head at www.PureEdgeLighting.com

*Lumens & TM-30 Data based on 3000K 40° Beam Spread

PROJECT	FIXTURE TYPE	DATE
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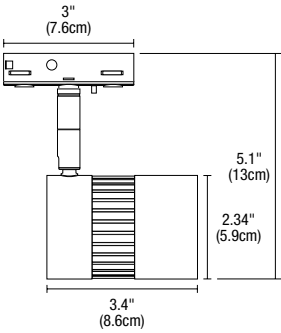
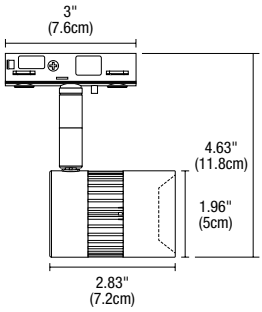
T24 TRACK HEADS 0-10V DIMMING ONLY

PRODUCT T24 WARM DIM TRACK HEADS COMPARISON CHART	RADIANT LARGE 	RADIANT MEDIUM 

ORDERING CODE	System T24	Fixture RADL	Beam Spread Lens NF	Color Temperature 30K	Finish WH
	T24 Mounts to any TS24 Surface Track, TR24 Recessed Track, Nova Track NCTR, NSTR, or Pipeline Track P1CTR or P1STR	RADL Radiant Large RADM Radiant Medium*	SP 15° or 20° Lens NF 25° Lens FL 40° Lens WF 60° Lens	24K 2400K Very Warm White 27K 2700K Incandescent White 30D 3000D Warm Dim 30K 3000K Warm White 35K 3500K Neutral White	WH White Powder Paint BK Black Powder Paint

*SP, FL, & WF ONLY

SPECIFICATIONS

T24 TRACK HEADS		

DESCRIPTION	The RADIANT LARGE WARM DIM LED 24VDC TRACK HEAD includes reflector with ordering code that may be changed at the job site. Reflectors give a smooth uniform beam at Spot (SP) 15°, Narrow Flood (NF) 25°, Flood (FL) 40° or Wide Flood (WF) 60° beam spreads.	The RADIANT MEDIUM WARM DIM LED 24VDC TRACK HEAD includes reflector with ordering code that may be changed at the job site. Reflectors give a smooth uniform beam at Spot (SP) 20°, Flood (FL) 40° or Wide Flood (WF) 60° beam spreads.

COLOR TEMPERATURE	30D Warm Dim	30K Standard	30D Warm Dim	30K Standard
WATTAGE	16 W	15 W	11 W	9 W
TOTAL LUMENS*	787	1128	628	675
LUMENS PER WATT*	48	75	57	75
CRI	98	82	98	92
R9	88	9	89	51
R13	99	82	99	92
Rf	95	82	95	91
Rg	103	97	103	99
FINISH	Available in Black Powder Paint (BK) or White Powder Paint (WH)			
MATERIAL	Each T24 Track Head is made from Cast Aluminum			
INPUT VOLTAGE	24VDC		24VDC	
FREQUENCY	50/60HZ		50/60HZ	
POWER FACTOR	> 0.90		> 0.90	
APPLICATION	Suitable for damp or dry locations. Indoor use only.			
DIMMING & FLICKER	0-10V dimming Flicker less than 4%			
COMPLIANCE LABEL	ETL TO UL 2108 STANDARD		ETL TO UL 2108 STANDARD	
LED LAMP LIFE	50,000 HOURS		50,000 HOURS	

For more detailed information, please view Product Spec Sheet for each Track Head at www.PureEdgeLighting.com





*Lumens & TM-30 Data based on 3000K 40° Beam Spread





PROJECT	FIXTURE TYPE	DATE
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PIPELINE® TRACK 1 CIRCUIT SUSPENSION WITH UP LIGHT

REMOTE POWER, END FEED

REV 05.05.20

REPLACEMENT REFLECTORS FOR TRACK HEADS				
PRODUCT	RADIANT LARGE	RADIANT MEDIUM	TUBO LARGE	TUBO SMALL
				
ORDERING CODE	REF-1.75-(SP, NF, FL, WF)	REF-1.375-(SP, FL, WF)	REF-1.75-(SP, NF, FL, WF)	REF-1.375-(SP, FL, WF)
REFLECTOR SIZE	1.75" Diameter	1.375" Diameter	1.75" Diameter	1.375" Diameter
BEAM SPREADS	SP (15°), NF (25°), FL (40°), WF (60°)	SP (20°), FL (40°), WF (60°)	SP (15°), NF (25°), FL (40°), WF (60°)	SP (20°), FL (40°), WF (60°)

FILM LENS SOFT FOCUS				
INCLUDED WITH EACH TRACK HEAD, DIFFUSES A BEAM PATTERN TO PROVIDE EVEN ILLUMINATION				
PRODUCT	RADIANT LARGE	RADIANT MEDIUM	TUBO LARGE	TUBO SMALL
				
ORDERING CODE	LF-RADL-SF	LF-RADM-SF	LF-TUBL-SF	LF-TUBS-SF

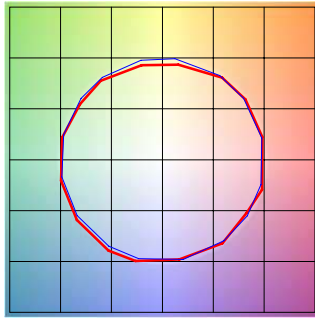
FILM LENS LINEAR SPREAD				
LINEAR SPREAD LENS DIRECTS THE 10, 15, 25 DEGREE BEAM INTO AN ELONGATED SHAPE. THIS IS TYPICALLY USED IN LONG RECTANGLE PAINTINGS AND ART WORK, 35, 40, 60 DEGREE ELONGATED OVAL SHAPE USED IN ART WORK AND WALL WASH				
PRODUCT	RADIANT LARGE	RADIANT MEDIUM	TUBO LARGE	TUBO SMALL
				
ORDERING CODE	LF-RADL-LS	LF-RADM-LS	LF-TUBL-LS	LF-TUBS-LS

PROJECT		FIXTURE TYPE		DATE	
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TM-30-15 DATA: The data below is for Tubo Small and Tubo Small Downlight. Consistent color temperatures among multiple track heads is possible through a 3 phase binning process in which each order is inspected with a color meter to ensure uniformity.

2700K | Rf: 93.2 | Rg: 99.3

COLOR VECTOR GRAPHIC

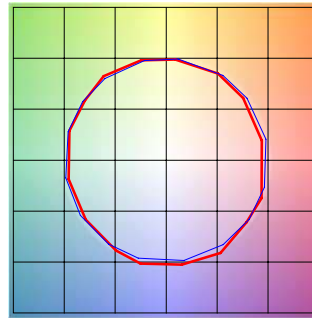


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	95.6	0.6%	0.8%
2	95.1	1.0%	-2.0%
3	93.4	-0.4%	-3.0%
4	89.7	-5.0%	-4.3%
5	93.3	-5.1%	0.1%
6	94.2	-2.0%	3.1%
7	90.6	-2.3%	5.1%
8	93.7	1.0%	3.5%
9	92.5	1.6%	3.6%
10	93.1	2.6%	3.3%
11	93.9	3.6%	2.1%
12	92.9	2.8%	-2.6%
13	94.3	-0.7%	-3.9%
14	94.6	1.2%	-2.5%
15	92.7	-2.1%	2.2%
16	92.3	1.8%	-4.8%

3000K | Rf: 90.7 | Rg: 99.9

COLOR VECTOR GRAPHIC

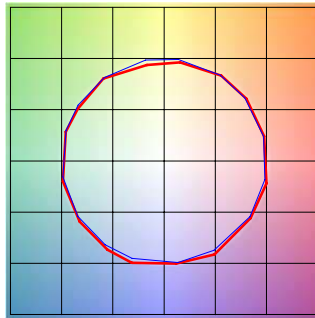


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	90.9	-4.2%	-0.5%
2	92.1	-3.2%	2.2%
3	88.6	-1.2%	5.0%
4	92.2	-1.1%	2.7%
5	93.7	1.0%	3.1%
6	94.8	2.6%	-0.1%
7	93.1	-1.2%	-2.2%
8	97.0	-1.0%	-1.2%
9	93.7	-2.5%	2.0%
10	87.9	-2.1%	6.6%
11	85.4	0.9%	9.7%
12	88.1	4.9%	3.3%
13	92.6	3.5%	-2.7%
14	87.9	5.4%	-6.7%
15	92.6	-0.5%	-3.8%
16	84.6	-0.8%	-11.0%

3500K | Rf: 93.9 | Rg: 100.9

COLOR VECTOR GRAPHIC

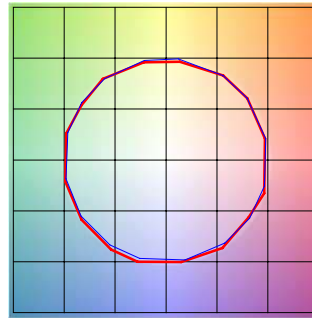


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	95.7	0.6%	0.3%
2	96.7	0.8%	-1.2%
3	96.0	0.2%	-1.0%
4	94.3	-2.5%	-1.9%
5	93.2	-4.8%	-0.2%
6	97.1	-0.3%	1.4%
7	93.8	-1.7%	3.2%
8	97.3	0.2%	1.3%
9	93.3	0.8%	4.2%
10	91.4	1.4%	5.2%
11	90.6	2.8%	4.5%
12	92.6	4.4%	3.0%
13	96.3	0.7%	-1.9%
14	93.9	3.6%	-1.8%
15	92.4	1.2%	-0.9%
16	91.5	2.3%	-3.3%

3000D | Rf: 94.8 | Rg: 100.9

COLOR VECTOR GRAPHIC



■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	96.4	-0.7%	0.4%
2	97.7	0.1%	-0.3%
3	96.3	0.2%	-0.0%
4	94.6	-2.6%	-1.9%
5	96.2	-1.8%	0.8%
6	96.9	0.7%	1.5%
7	93.8	-1.1%	2.4%
8	97.0	1.3%	1.0%
9	95.3	1.0%	2.4%
10	94.0	1.6%	3.2%
11	93.3	3.0%	3.5%
12	92.2	3.8%	-1.3%
13	90.6	2.5%	-4.2%
14	86.7	3.3%	-4.5%
15	90.9	-2.4%	-0.2%
16	84.1	-3.5%	-6.9%

PROJECT	FIXTURE TYPE	DATE
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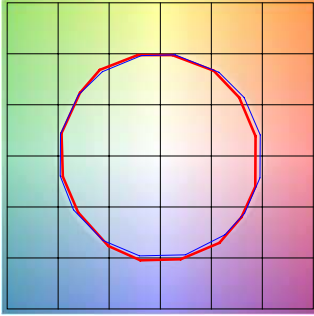
PIPELINE® TRACK 1 CIRCUIT SUSPENSION WITH UP LIGHT

REMOTE POWER, END FEED

TM-30-15 DATA: The data below is for Tubo Large and Tubo Large Downlight. Consistent color temperatures among multiple track heads is possible through a 3 phase binning process in which each order is inspected with a color meter to ensure uniformity.

2400K | Rf: 91 | Rg: 99.6

COLOR VECTOR GRAPHIC

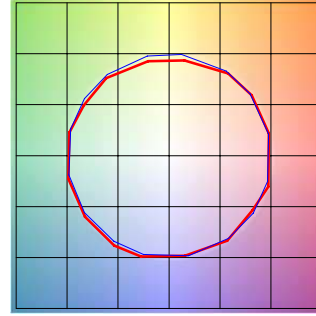


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	90.1	-4.6%	-0.3%
2	90.6	-4.0%	2.7%
3	88.6	-1.6%	5.1%
4	93.1	-0.9%	2.7%
5	94.6	1.1%	3.3%
6	94.6	2.9%	1.0%
7	94.1	-0.2%	-2.7%
8	97.1	-0.9%	-1.2%
9	94.5	-2.4%	1.0%
10	90.3	-2.5%	4.5%
11	88.6	1.5%	7.1%
12	89.2	4.1%	1.5%
13	90.6	3.4%	-5.3%
14	84.5	3.5%	-8.9%
15	92.3	-0.5%	-4.7%
16	85.4	-2.9%	-9.4%

2700K | Rf: 93.3 | Rg: 98.8

COLOR VECTOR GRAPHIC

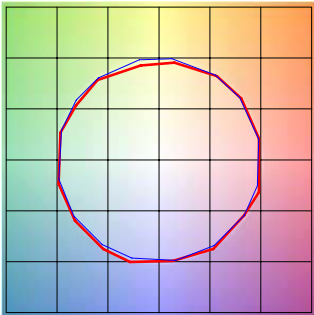


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	95.9	0.3%	0.7%
2	95.5	0.6%	-2.0%
3	93.7	-0.8%	-2.8%
4	89.8	-5.2%	-4.0%
5	93.1	-5.2%	0.2%
6	93.9	-2.4%	2.9%
7	89.0	-3.1%	5.5%
8	93.6	0.5%	3.7%
9	92.9	1.2%	3.8%
10	92.7	2.0%	3.9%
11	93.7	3.2%	2.9%
12	93.7	2.7%	1.8%
13	94.9	-0.7%	-3.4%
14	94.7	1.3%	-2.4%
15	92.9	-2.1%	2.0%
16	92.2	1.7%	-5.0%

3000K | Rf: 91 | Rg: 98

COLOR VECTOR GRAPHIC

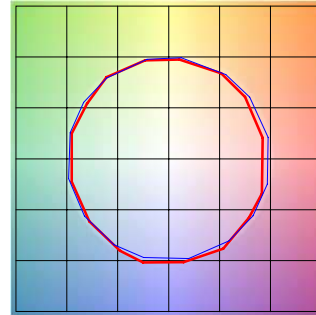


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	96.4	-0.2%	0.4%
2	97.7	0.3%	-0.5%
3	96.5	0.2%	-0.0%
4	95.5	-2.0%	-1.3%
5	93.8	-3.7%	0.6%
6	96.9	0.6%	1.4%
7	93.3	-1.4%	2.6%
8	97.6	0.7%	0.9%
9	94.4	0.7%	3.4%
10	92.1	1.1%	4.2%
11	91.6	2.7%	4.5%
12	92.0	4.7%	-0.4%
13	95.2	1.2%	-2.7%
14	93.1	3.4%	-3.2%
15	92.5	0.3%	-1.3%
16	90.1	2.4%	-6.9%

3000D | Rf: 94.5 | Rg: 100.3

COLOR VECTOR GRAPHIC

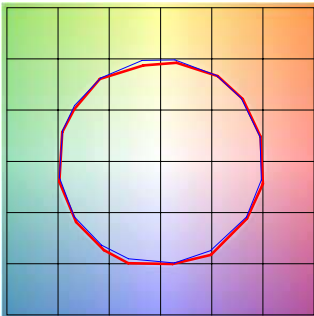


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	88.7	-5.3%	0.5%
2	90.7	-3.6%	2.8%
3	89.4	-1.7%	4.6%
4	93.3	-2.1%	1.4%
5	94.6	-0.8%	2.2%
6	96.2	0.6%	-0.2%
7	92.5	-3.4%	-0.9%
8	96.4	-1.7%	0.5%
9	92.0	-2.4%	3.7%
10	87.3	-1.1%	7.1%
11	87.6	1.7%	8.2%
12	89.2	4.8%	0.4%
13	90.6	2.5%	-5.7%
14	86.7	3.3%	-9.0%
15	90.9	-2.4%	-3.9%
16	84.1	-3.5%	-10.3%

3500K | Rf: 93.9 | Rg: 100.9

COLOR VECTOR GRAPHIC



■ Test ■ Reference

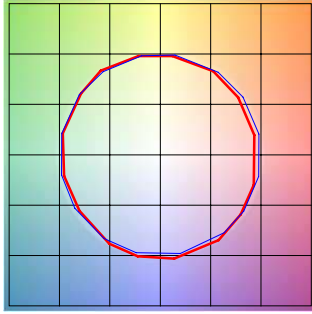
HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	95.7	0.6%	0.3%
2	96.7	0.8%	-1.2%
3	96.0	0.2%	-1.0%
4	94.3	-2.5%	-1.9%
5	93.2	-4.8%	-0.2%
6	97.1	-0.3%	1.4%
7	93.8	-1.7%	3.2%
8	97.3	0.2%	1.3%
9	93.3	0.8%	4.2%
10	91.4	1.4%	5.2%
11	90.6	2.8%	4.5%
12	92.6	4.4%	3.0%
13	96.3	0.7%	-1.9%
14	93.9	3.6%	-1.8%
15	92.4	1.2%	-0.9%
16	91.5	2.3%	-3.3%

PROJECT	FIXTURE TYPE	DATE
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TM-30-15 DATA: The data below is for Radiant Large. Consistent color temperatures among multiple track heads 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: 99

COLOR VECTOR GRAPHIC

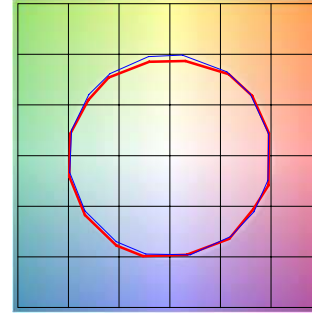


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	90.0	-4.7%	-0.1%
2	90.7	-4.1%	2.5%
3	89.2	-1.9%	4.6%
4	93.5	-1.5%	2.2%
5	94.8	0.3%	3.2%
6	95.3	2.1%	1.2%
7	94.8	-0.8%	-2.1%
8	97.4	-1.1%	-0.6%
9	94.2	-2.4%	1.5%
10	90.0	-2.4%	4.8%
11	88.6	1.6%	7.1%
12	89.5	3.1%	2.2%
13	90.3	3.8%	-6.9%
14	84.8	3.1%	-8.8%
15	92.4	-0.8%	-4.4%
16	85.6	-3.0%	-9.1%

2700D | Rf: 93.4 | Rg: 98.8

COLOR VECTOR GRAPHIC

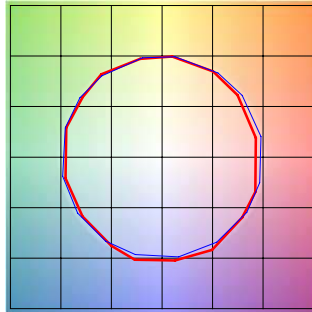


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	95.9	0.3%	0.7%
2	95.5	0.6%	-2.0%
3	93.5	-0.8%	-2.8%
4	89.9	-5.2%	-4.0%
5	93.1	-5.2%	0.3%
6	93.8	-2.3%	3.1%
7	90.6	-2.6%	5.0%
8	93.5	0.7%	-3.7%
9	92.9	1.2%	3.6%
10	93.4	2.1%	3.5%
11	94.2	3.1%	2.4%
12	93.5	2.6%	-2.2%
13	94.5	-0.8%	-3.7%
14	94.7	1.1%	-2.5%
15	92.8	-2.2%	-1.9%
16	92.4	1.4%	-4.8%

3000K | Rf: 82.3 | Rg: 96.9

COLOR VECTOR GRAPHIC

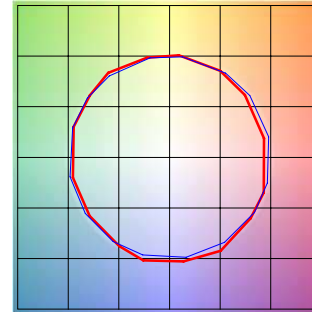


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	89.5	-5.2%	-0.3%
2	91.0	-3.7%	2.7%
3	88.8	-1.6%	4.9%
4	94.2	-0.2%	2.9%
5	94.1	-0.5%	2.4%
6	95.9	1.6%	-0.3%
7	93.5	-1.8%	-2.4%
8	97.3	-1.1%	-0.5%
9	94.0	-2.5%	2.4%
10	88.7	-2.0%	5.4%
11	87.9	0.7%	7.4%
12	90.3	5.0%	0.5%
13	92.0	2.9%	-4.2%
14	87.6	3.8%	-8.1%
15	88.3	-0.8%	-6.7%
16	85.8	-2.5%	-9.7%

3000D | Rf: 90.8 | Rg: 100.1

COLOR VECTOR GRAPHIC

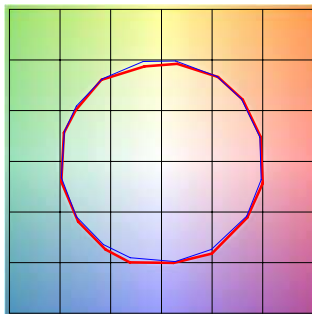


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	90.0	-4.9%	-0.7%
2	90.7	-3.6%	3.1%
3	87.2	-1.1%	5.9%
4	92.7	1.0%	3.8%
5	93.8	0.9%	2.7%
6	94.2	3.0%	-0.7%
7	92.7	-0.5%	-3.6%
8	96.6	-0.8%	-1.5%
9	94.4	-2.5%	1.4%
10	89.7	-2.3%	4.6%
11	87.3	0.5%	7.6%
12	89.9	5.2%	1.5%
13	92.0	3.6%	-3.4%
14	87.6	4.7%	-7.7%
15	88.2	-0.0%	-6.9%
16	85.8	-1.8%	-10.0%

3500K | Rf: 93.9 | Rg: 101

COLOR VECTOR GRAPHIC



■ Test ■ Reference

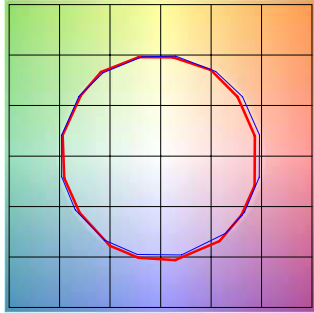
HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	95.6	0.8%	0.3%
2	96.5	0.9%	-1.3%
3	95.9	0.2%	-1.1%
4	94.3	-2.5%	-2.0%
5	93.1	-4.8%	-0.2%
6	97.1	-0.3%	1.4%
7	93.7	-1.6%	3.3%
8	97.3	0.3%	1.3%
9	93.4	0.8%	4.1%
10	91.5	1.4%	5.1%
11	90.7	2.8%	4.5%
12	92.6	4.4%	0.5%
13	96.4	0.7%	-1.8%
14	94.0	3.7%	-1.7%
15	92.4	1.3%	-0.8%
16	91.4	2.4%	-3.3%

PROJECT	FIXTURE TYPE	DATE
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TM-30-15 DATA: The data below is for Radiant Medium. Consistent color temperatures among multiple track heads is possible through a 3 phase binning process in which each order is inspected with a color meter to ensure uniformity.

2400K | Rf: 91.3 | Rg: 99.1

COLOR VECTOR GRAPHIC

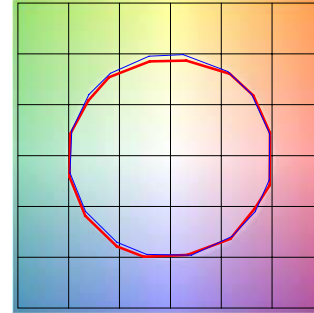


■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	90.1	-4.6%	0.0%
2	91.2	-4.0%	2.4%
3	88.7	-1.6%	4.7%
4	93.6	-1.7%	2.0%
5	94.8	0.2%	3.1%
6	95.3	2.0%	1.3%
7	94.9	-0.9%	-1.9%
8	97.5	-1.0%	-0.4%
9	94.2	-2.2%	1.7%
10	90.1	-2.2%	4.8%
11	88.8	1.9%	6.9%
12	89.7	3.2%	1.8%
13	90.0	3.8%	-7.3%
14	84.7	3.0%	-8.9%
15	92.5	-1.0%	-4.2%
16	85.7	-3.1%	-9.0%

2700K | Rf: 99.1 | Rg: 98.9

COLOR VECTOR GRAPHIC

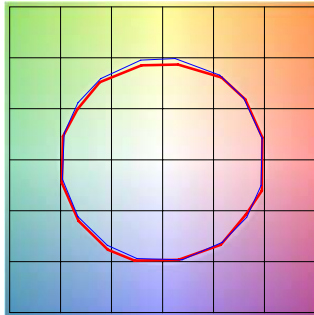


■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	95.7	0.4%	0.8%
2	95.3	0.7%	-2.0%
3	93.3	-0.7%	-3.0%
4	89.5	-5.3%	-4.2%
5	93.0	-5.4%	0.2%
6	93.6	-2.4%	3.2%
7	90.2	-2.6%	5.2%
8	93.3	0.8%	3.8%
9	92.5	1.4%	3.7%
10	93.2	2.4%	3.5%
11	94.0	3.3%	2.2%
12	93.1	2.7%	-2.5%
13	94.3	-0.9%	-3.9%
14	94.7	1.0%	-2.5%
15	92.6	-2.3%	-2.1%
16	92.4	1.5%	-4.7%

3000K | Rf: 90.8 | Rg: 99

COLOR VECTOR GRAPHIC

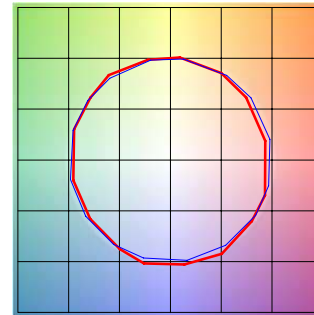


■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	95.9	0.3%	0.7%
2	95.5	0.6%	-2.0%
3	93.7	-0.8%	-2.8%
4	89.8	-5.2%	-4.0%
5	93.1	-5.2%	0.2%
6	93.9	-2.4%	2.9%
7	89.0	-3.1%	5.5%
8	93.6	0.5%	3.7%
9	92.9	1.2%	3.8%
10	92.7	2.0%	3.9%
11	93.7	3.2%	2.9%
12	93.7	2.7%	1.8%
13	94.9	-0.7%	-3.4%
14	94.7	1.3%	-2.4%
15	92.9	-2.1%	2.0%
16	92.2	1.7%	-5.0%

3000D | Rf: 90.8 | Rg: 100.1

COLOR VECTOR GRAPHIC

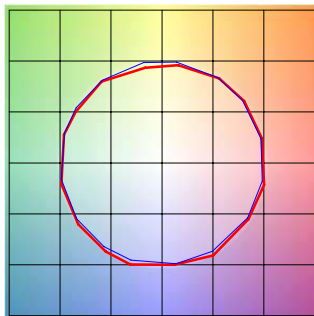


■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	90.0	-4.9%	-0.7%
2	90.7	-3.6%	3.1%
3	87.2	-1.1%	5.9%
4	92.7	1.0%	3.8%
5	93.8	0.9%	2.7%
6	94.2	3.0%	-0.7%
7	92.7	-0.5%	-3.6%
8	96.6	-0.8%	-1.5%
9	94.4	2.5%	1.4%
10	89.7	-2.3%	4.6%
11	87.3	0.5%	7.6%
12	89.9	5.2%	-1.5%
13	92.0	3.6%	-3.4%
14	87.6	4.7%	-7.7%
15	88.2	-0.0%	-6.9%
16	85.8	-1.8%	-10.0%

3500K | Rf: 93.6 | Rg: 100

COLOR VECTOR GRAPHIC



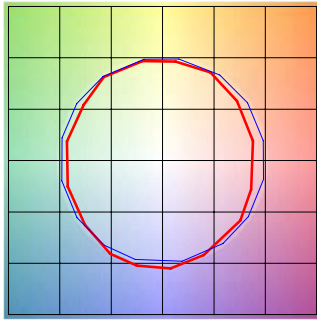
■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	95.3	0.9%	0.4%
2	96.1	1.0%	-1.4%
3	95.5	0.2%	-1.4%
4	93.6	-2.7%	-2.4%
5	92.7	-5.3%	-0.4%
6	97.0	-0.6%	1.5%
7	93.1	-1.9%	3.7%
8	96.9	0.2%	1.6%
9	92.8	1.0%	4.5%
10	91.1	1.7%	5.3%
11	90.7	3.0%	4.3%
12	92.5	4.5%	0.3%
13	96.3	0.5%	-2.0%
14	93.9	3.5%	-1.7%
15	92.2	1.2%	-0.6%
16	91.3	2.4%	-3.1%

PROJECT	FIXTURE TYPE	DATE
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TM-30-15 DATA: The data below is for SS5C 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.

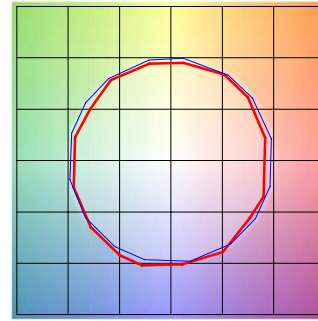
2200K | Rf: 83.9 | Rg: 94.9
 Color Vector Graphic



■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	77.6	-10.0%	1.8%
2	80.7	-7.5%	7.0%
3	79.5	-2.9%	8.9%
4	90.5	-3.1%	2.4%
5	93.9	-1.3%	1.9%
6	91.9	-0.9%	-0.2%
7	87.6	-6.3%	-2.7%
8	90.5	-5.4%	2.7%
9	83.8	-4.7%	6.5%
10	81.2	-2.5%	10.0%
11	83.3	3.9%	9.4%
12	86.4	5.6%	2.6%
13	86.2	4.5%	-12.4%
14	64.3	-1.0%	-21.9%
15	85.1	-4.4%	-7.5%
16	75.0	-9.9%	-12.0%

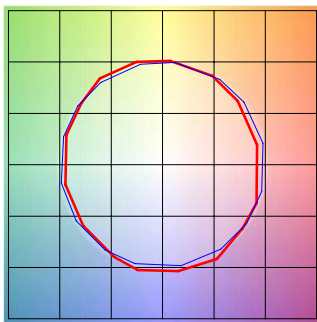
2700K | Rf: 87.7 | Rg: 96.1
 Color Vector Graphic



■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	86.4	-5.6%	2.3%
2	89.7	-3.3%	3.1%
3	90.5	-1.5%	3.8%
4	90.0	-4.3%	1.1%
5	92.9	-3.7%	0.2%
6	93.5	-2.5%	-0.8%
7	86.3	-7.2%	2.5%
8	90.7	-4.0%	3.2%
9	85.2	-2.4%	8.1%
10	81.7	0.9%	10.8%
11	85.4	4.5%	8.9%
12	88.7	5.7%	-1.4%
13	88.3	1.3%	-7.9%
14	85.1	2.4%	-10.4%
15	88.1	-4.8%	-2.7%
16	81.7	-4.3%	-10.9%

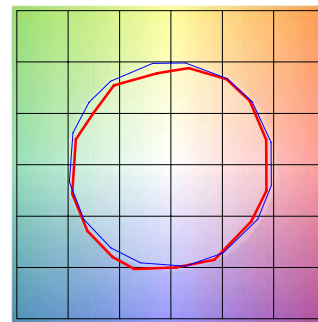
3000K | Rf: 88.1 | Rg: 99.7
 Color Vector Graphic



■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	87.7	-5.9%	-0.3%
2	87.9	-4.4%	4.3%
3	82.9	-1.2%	7.9%
4	89.9	0.6%	4.7%
5	92.7	3.0%	3.5%
6	92.7	3.6%	-1.7%
7	90.8	-1.3%	-4.4%
8	93.7	-2.5%	-2.2%
9	91.7	-3.7%	2.3%
10	85.5	-2.8%	7.8%
11	83.3	0.7%	11.0%
12	86.4	5.5%	3.8%
13	90.6	4.6%	-3.6%
14	85.6	5.9%	-8.4%
15	89.5	-0.6%	-5.7%
16	82.6	-2.7%	-12.0%

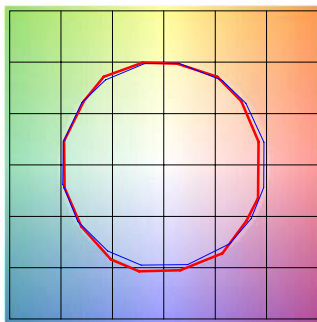
3500K | Rf: 86.1 | Rg: 95.5
 Color Vector Graphic



■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	91.7	-1.4%	1.8%
2	94.9	-0.7%	0.4%
3	87.9	-4.5%	-4.1%
4	85.9	-10.3%	-2.7%
5	89.8	-5.2%	-0.4%
6	79.6	-9.5%	6.5%
7	87.6	-4.0%	5.7%
8	81.4	-0.5%	11.8%
9	78.3	3.3%	11.4%
10	85.7	6.3%	6.1%
11	86.3	7.1%	-4.6%
12	86.1	-0.7%	-9.6%
13	85.1	0.8%	-10.4%
14	83.4	-4.1%	-5.3%
15	82.5	-3.6%	-5.7%
16	82.5	-3.6%	-5.7%

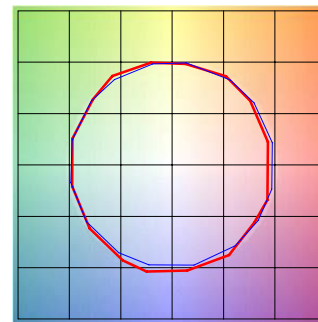
2700D | Rf: 89.5 | Rg: 100.8
 Color Vector Graphic



■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	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

		GRAPHIC SHIFTS %	
HUE BIN	Rf	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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