

PIPELINE® TRACK SUSPENSION WITH UPLIGHT

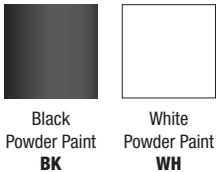
24VDC, TWO CIRCUIT, REMOTE POWER, END FEED



DESCRIPTION

Pipeline Two Circuit Suspension Track with Uplight is a Linear fixture with an integrated LED up light and Track Heads that are controlled independently of one another. Custom-tailor the Pipeline Two Circuit Suspension to any space instantly by adding Track Heads anywhere along the bottom of the suspension. The Uplight creates a clean, uninterrupted indirect beam of light, available in seven standard Color Temperatures, including Warm Dim 2700K (27D) or 3000K (30D) that dim down to 1900K. The Pipeline Two Circuit Suspension is compatible with Pure Edge T24 track heads (refer to pages 5 and 6). The Uplight and Track heads are powered by their own 24VDC remote power supply (ordered separately) that can be located up to 40' away. Fixture includes a 5-year pro-rated warranty. For custom lengths, finishes, designs, and quotes send drawings to design@PureEdgeLighting.com.

FINISHES



LENS

- Uplight - Diffused White Lens with 176° beam spread
- Track Heads - Offered in multiple beam spreads from 15° to 60° (specifications on pages 5-7)

LAMPING

- 5W - 4.4 Watts per Foot, Lengths up to 10ft
- 95+ CRI 2700K, 3000K, or 3000D Warm Dim
- 50,000 Hour Lamp Life

INSTALLATION

- Pre-wired from a Remote Power Supply feeding 24VDC, 96 watts for Up Light and up to 200 watts for Track lighting per circuit at a maximum of 40' away using #12 Gauge Wire
- Includes adjustable 12' Coaxial Cables

REMOTE POWER SUPPLIES (ORDER SEPARATELY)

24VDC, Class 2 wiring

- [Uni Trim Power Supply](#) Universal Dimming (TRIAC, ELV, 0-10V) ELV & TRIAC [Smart Dimmer & Switch](#)

APPLICATIONS

Designed for indoor use only. Ideal environments include commercial, architectural and retail spaces in addition to offices, conference rooms, entrance halls and lobbies.

APPROVALS

Class 2 Wiring up to 100 watts, Damp Location Suitable, ETL listed. Made in America.

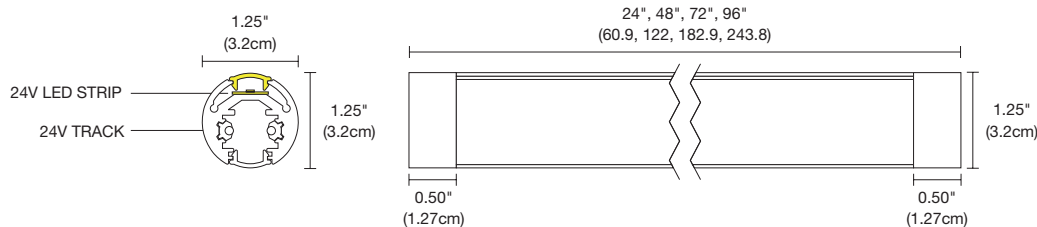
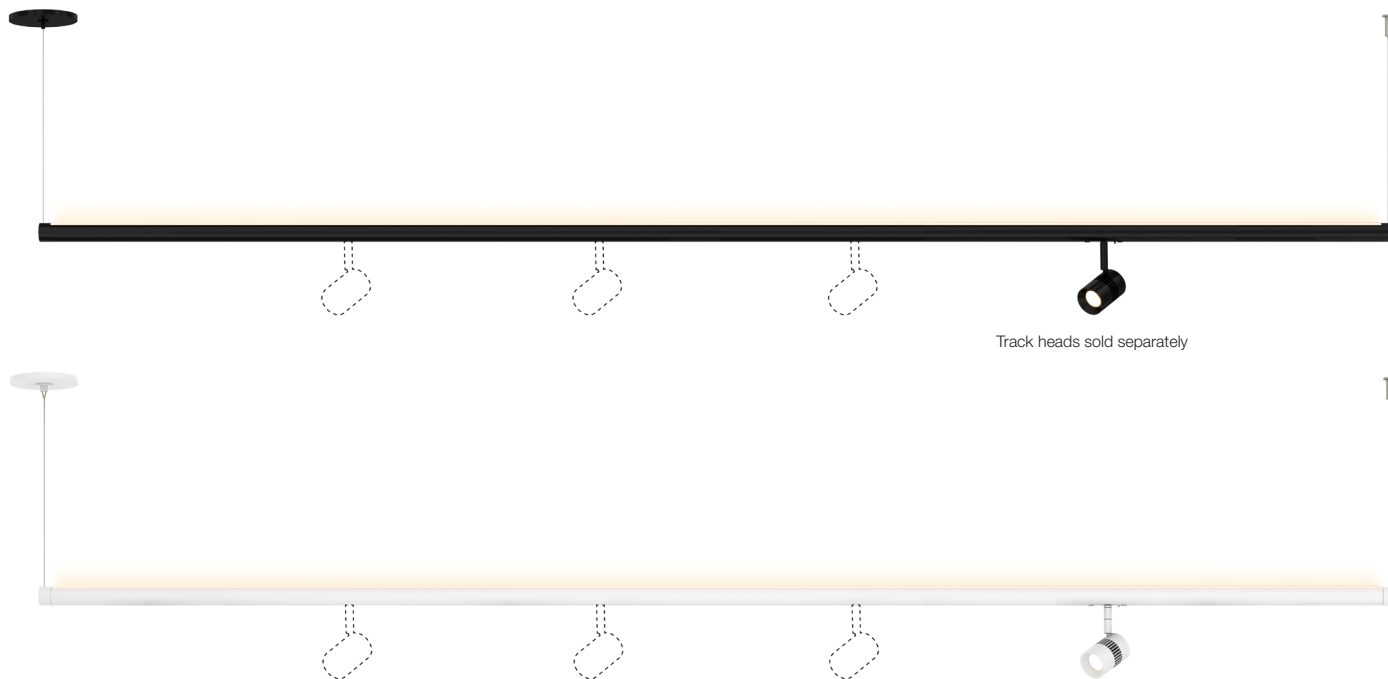
System	Indirect Lighting Wattage Per Foot	Canopy	Nominal Size	Indirect Color Temperature	Finish
PSTU2CR	5W	2R	2	30K	WH
PSTU2CR Suspension Track, with Up light, Two circuit, Remote Power	5W 4.4 Watts	2R 2.8" Round Canopy 4R 4.6" Round Canopy 2R2 2 X 2.8" Round Canopy 4R2 2 X 4.6" Round Canopy VRD Vanishing Point Plaster in system with No Visible Canopy, only dual cable going through drywall ceiling with GJ24 is visible See Pages 5-7 for Track Head information and ordering code.	2 2 Feet 4 4 Feet 6 6 Feet 8 8 Feet	24K 2400K Very Warm White 27K 2700K Incandescent White 30K 3000K Warm White 30D 3000K Warm Dim 35K 3500K Neutral White	BK Black Powder Paint WH White Powder Paint

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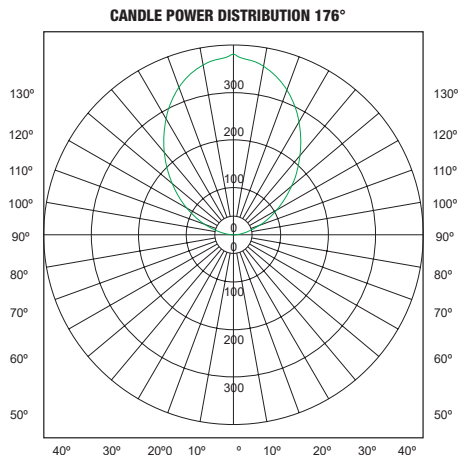
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LAMP DATA Lamp Data for Pipeline Track Suspension with Uplight and Remote Power

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

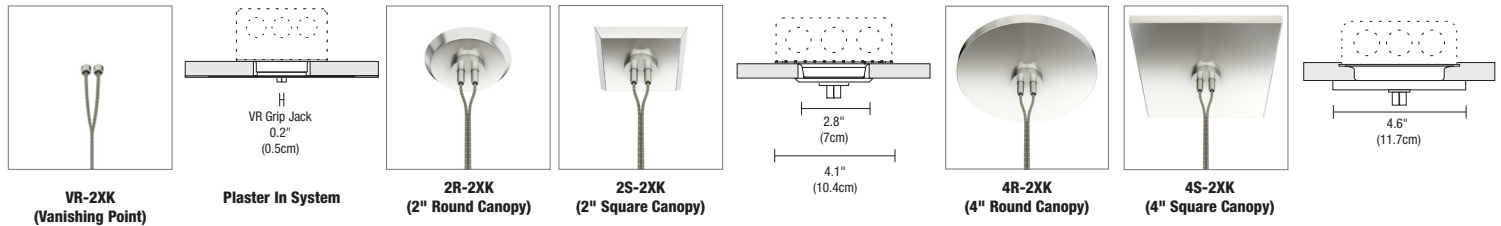


PIPELINE® TRACK SUSPENSION WITH UPLIGHT

24VDC, TWO CIRCUIT, REMOTE POWER, END FEED

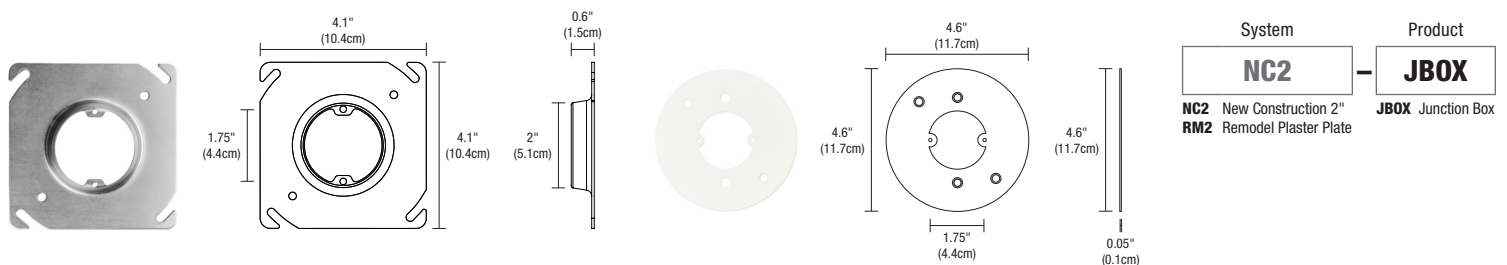
REMOTE POWER CANOPIES

The 2" Round and Square canopies include 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.

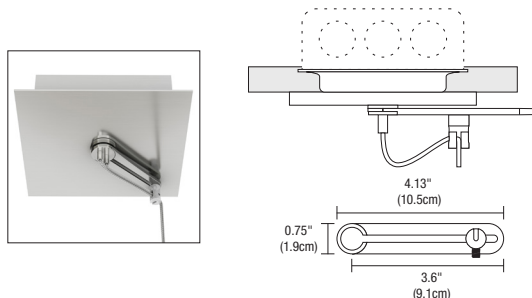


NEW CONSTRUCTION & REMODEL 2" COVER FOR 4" SQUARE JUNCTION BOX

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 must be used with the supplied PureEdge junction box.

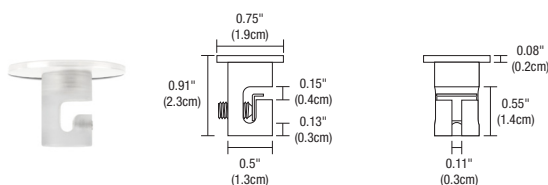
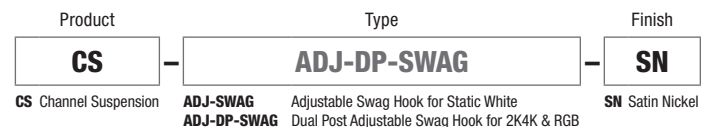


ACCESSORIES Additional components may be required based on lighting design and application.



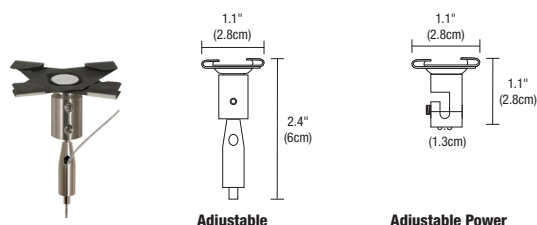
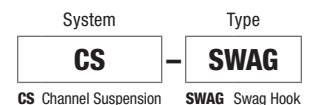
CHANNEL SUSPENSION ADJUSTABLE SWAG BAR AND HOOK

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).



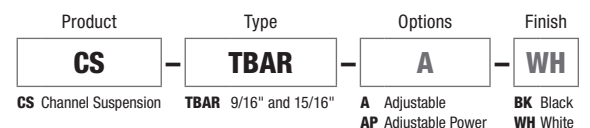
CHANNEL SUSPENSION SWAG HOOK

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



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.

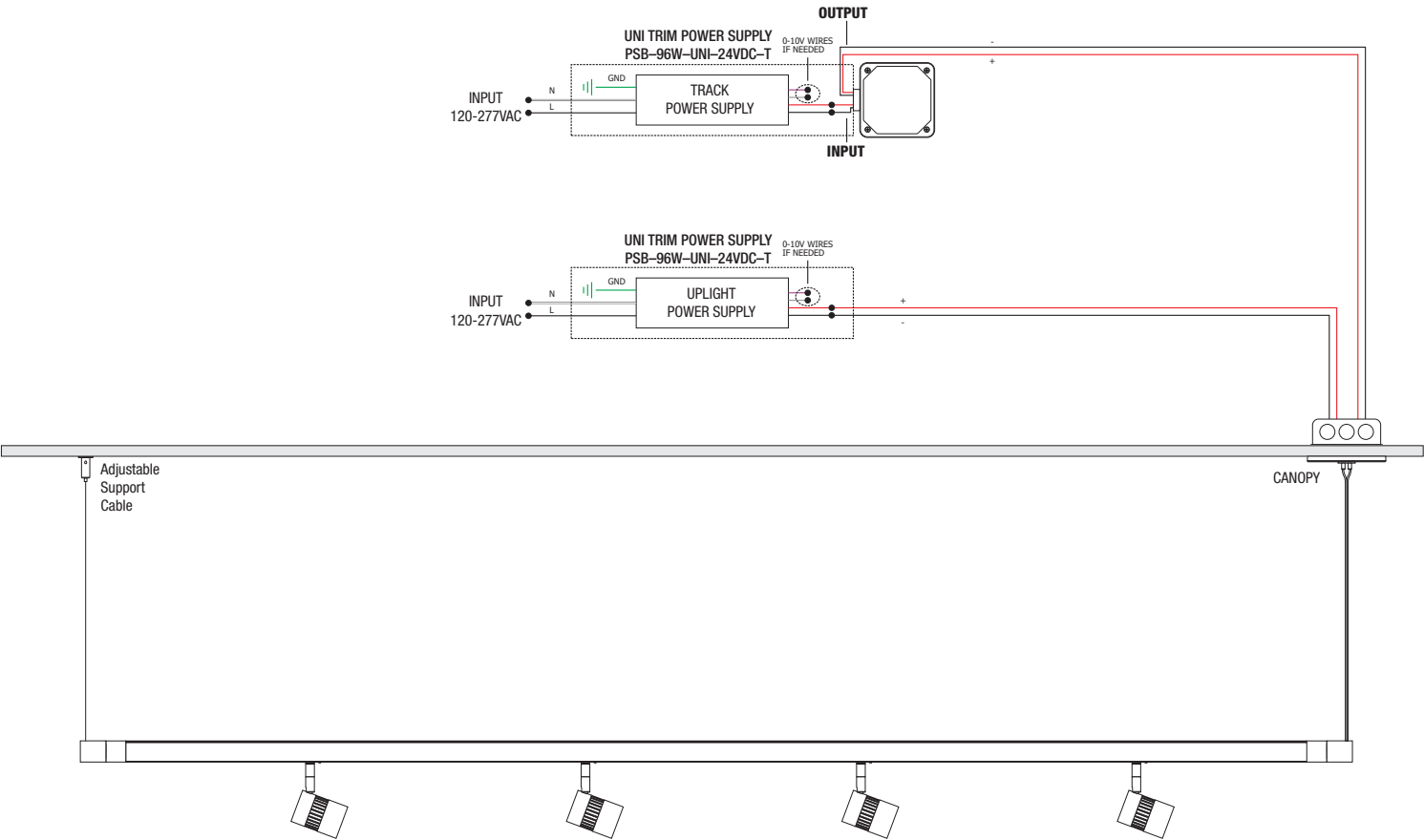


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PIPELINE® TRACK SUSPENSION WITH UPLIGHT

24VDC, TWO CIRCUIT, REMOTE POWER, END FEED

DRAWINGS Drawings are shown with 4" round canopy



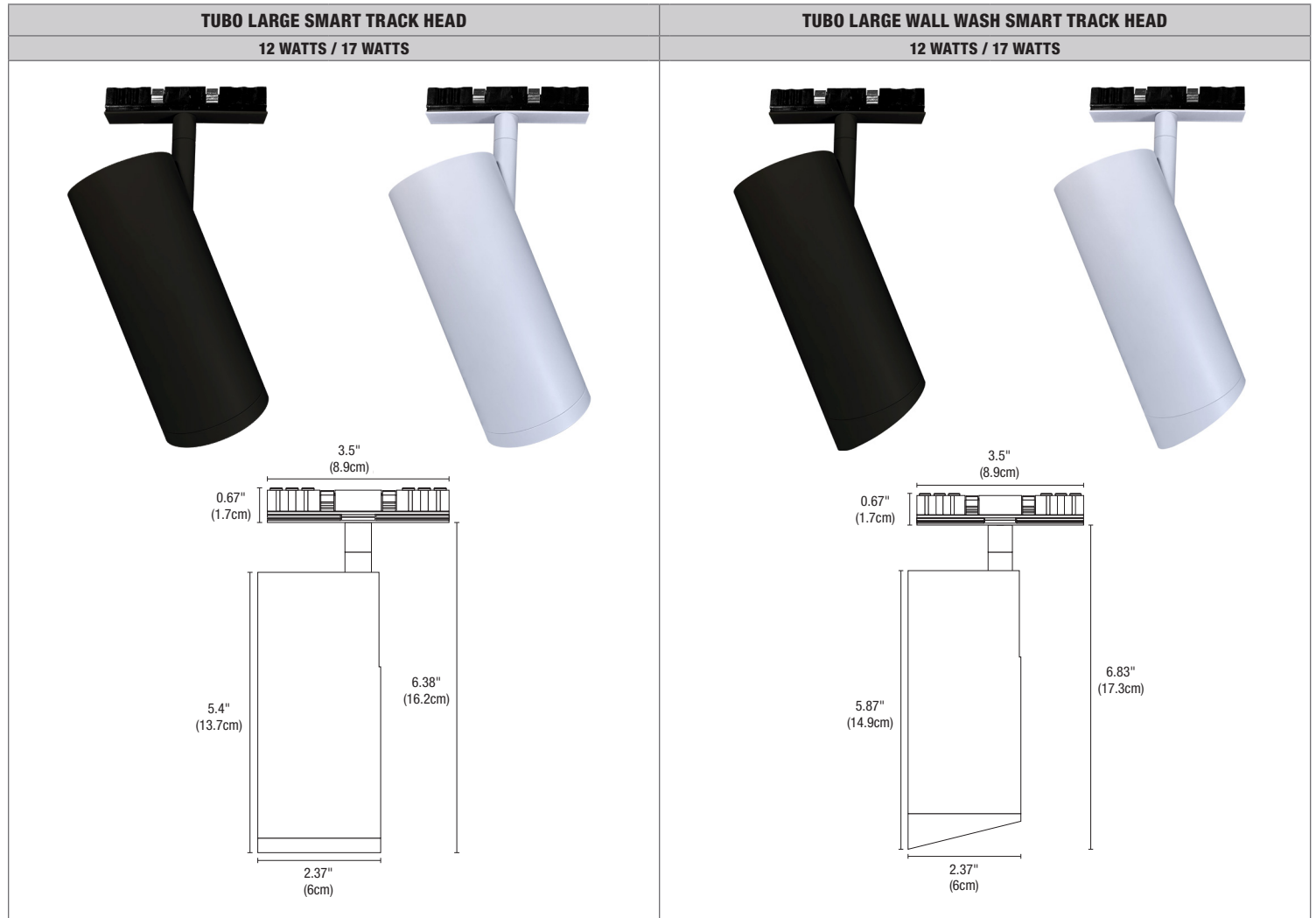
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T24 TRACK HEADS

24VDC WITH INTEGRATED LED, STATIC WHITE & WARM DIM TECHNOLOGY

PureEdge T24M Track Heads are Compatible with TruTrack® Magnetic (TR24M-2C). All uniform beam spread options are field changeable.
See accessories page for more information.

Pure Smart™ TruColor™ RGBTW



System	Type	Fixture	Wattage	Beam Spread Lens	Control	Color Temperature	Finish
T24M	2C	TU2L	17W	NF	WZ	TC	BK
T24M Track Head 24V Magnetic Connector	2C 2 Circuit	TU2L Tubo Large 2	12W 12 Watts 17W 17 Watts	SP Spot 16° NF Narrow Flood 30° FL Flood 35° WF Wide Flood 45° WW Wall Wash	WZ WiZ Smart Control	TC TruColor™ RGBTW Red, Green, Blue & Tunable White 1500K- 6500K	BK Black Powder Coat PW Pure White Powder Coat - RAL 9016

*Has Aura Effect
without diffusion film

	12W									17W								
WATTS	20K	22K	24K	27K	30K	35K	40K	57K	65K	20K	22K	24K	27K	30K	35K	40K	57K	65K
COLOR TEMPERATURE	445	462	507	596	670	737	751	596	494	830	862	962	1130	1271	1401	1531	1307	1082
LUMENS	44	44	47	52	56	61	64	60	56	64	62	65	72	79	87	96	93	82
LUMENS PER WATT (lm/w)	86.7	88.3	89.7	93.2	95.2	96.8	96.7	93.9	91.6	86.4	88.4	91.8	94.7	95.9	97.3	96.5	94.8	93.3
CRI	-0.0027	-0.0011	-0.0019	-0.0022	-0.0023	-0.0005	-0.0005	-0.0041	-0.0036	0.0026	0.0026	0.0026	0.0033	0.0037	0.0024	0.0008	0.0024	0.0006
Duv	87	88	90	93	94	94	93	93	91	88	89	92	94	95	95	94	93	92
Rf	104	101	103	103	103	101	100	105	106	105	105	105	104	104	103	100	105	105
Rg	91	92	90	94	97	98	94	80	66	84	86	92	97	97	98	85	90	83
R9	83	85	87	91	93	96	96	93	92	82	85	89	93	94	96	99	96	96
R13	92	93	93	95	96	97	95	91	88	90	91	93	96	96	97	96	94	93
R15	10	11	11	12	12	12	12	10	9	13	14	15	16	16	16	16	14	13

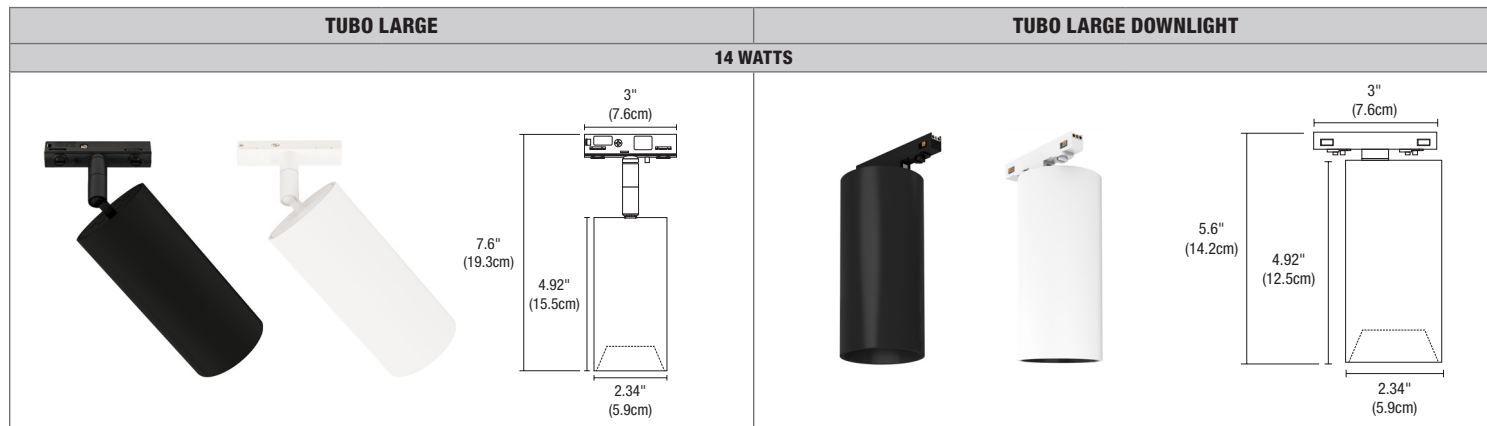
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T24 TRACK HEADS

24VDC WITH INTEGRATED LED, STATIC WHITE & WARM DIM TECHNOLOGY

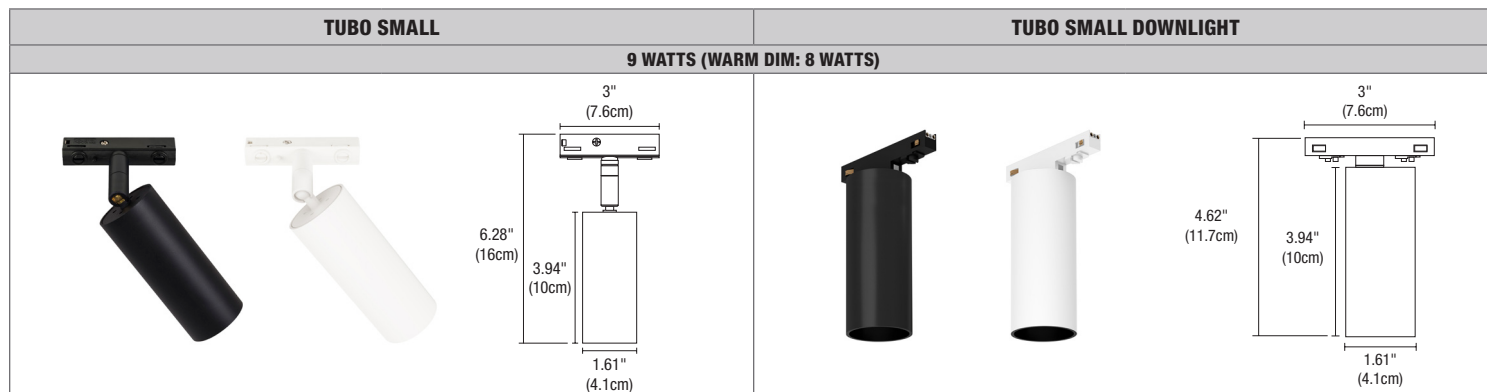
PureEdge T24 Track Heads are Compatible with TruTrack® (TR24).

All uniform beam spread options are field changeable. See accessories page for more information.



System	Fixture	Beam Spread	Color Temperature	Finish
T24	TUBL	FL	30K	WH
T24 24V Track System	TUBL Tubo Large TUBLD Tubo Large Downlight	NS Narrow Spot 10° SP Spot 20° NF Narrow Flood 35° FL Flood 45° WF Wide Flood 60° For 7° use STB16 snoot with NS	24K 2400K Very Warm White 27K 2700K Incandescent White 30D 3000D Warm Dim 30K 3000K Warm White 35K 3500K Neutral White 30D NS: 7.5W, 400 lumens	BK Black Powder Coat WH Warm White Powder Coat RAL 9010 PW Pure White Powder Coat RAL 9016

BEAM ANGLE REFERENCE 45°					
COLOR TEMPERATURE	24K	27K	30K	30D	35K
TOTAL LUMENS	1238	1035	1069	683	1268
WATTS	14	14	14	14	14
LUMENS PER WATT (lm/w)	88	74	76	49	91
CRI	97	92	91	97	98
TM-30 DATA	R9: 60 Rf: 93 Rg: 98	R9: 97 Rf: 92 Rg: 100	R9: 64 Rf: 91 Rg: 98	R9: 90 Rf: 95 Rg: 102	R9: 92 Rf: 94 Rg: 101



System	Fixture	Beam Spread	Color Temperature	Finish
T24	TUBS	FL	30K	WH
T24 24V Track System	TUBS Tubo Small TUBSD Tubo Small Downlight	NS Narrow Spot 15° SP Spot 25° NF Narrow Flood 35° FL Flood 45° WF Wide Flood 60° For 7° use TUBS-ST snoot with NS	24K 2400K Very Warm White 27K 2700K Incandescent White 30D 3000D Warm Dim 30K 3000K Warm White 35K 3500K Neutral White	BK Black Powder Coat WH White Powder Coat

BEAM ANGLE REFERENCE 45°					
COLOR TEMPERATURE	24K	27K	30K	30D	35K
TOTAL LUMENS	503	420	434	287	515
WATTS	9	9	9	8	9
LUMENS PER WATT (lm/w)	59	49	51	39	61
CRI	97	92	93	94	98
TM-30 DATA	R9: 60 Rf: 93 Rg: 98	R9: 97 Rf: 92 Rg: 100	R9: 64 Rf: 91 Rg: 98	R9: 90 Rf: 95 Rg: 102	R9: 92 Rf: 94 Rg: 101

All track heads with the exception of Tubo Wall Wash and Zoom are JAB listed with universal power supplies in 27K> CCT. Click the link to access our full Title 24 compliance listings: pureedgelighting.com/resources

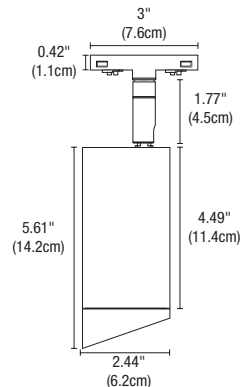
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T24 TRACK HEADS

24VDC WITH INTEGRATED LED, STATIC WHITE & WARM DIM TECHNOLOGY

TUBO LARGE WALL WASH

15 WATTS

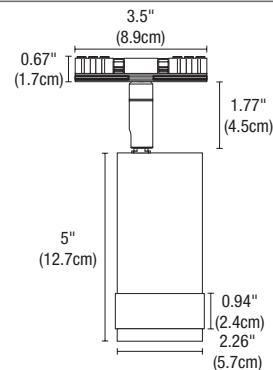


System	Fixture	Beam Spread	Color Temperature	Finish
T24	TUBL	WW	30K	BK
T24 Track Head 24V	TUBL Tubo Large	WW Wall Wash	24K 2400K Very Warm White 27K 2700K Incandescent White 30K 3000K Warm White 30D 3000K Warm Dim to 1800K 35K 3500K Neutral White	BK Black Powder Coat WH Warm White Powder Coat RAL 9010 PW Pure White Powder Coat RAL 9016

TUBO WALL WASH	
COLOR TEMPERATURE	30K
TOTAL LUMENS	884
WATTS	15
LUMENS PER WATT (lm/w)	59
CRI	92
TM-30 DATA	R9: 61 Rf: 92 Rg: 100

ZOOM

16 WATTS



System	Fixture	Beam Spread	Color Temperature	Finish
T24	ZOOM	Z2	30K	BK
T24 Track Head 24V Connector	ZOOM Zoom	Z1 Zoom Adjust 15° to 55° Z2 Zoom Adjust 20° to 50°	24K 2400K Very Warm White 27K 2700K Incandescent White 30K 3000K Warm White 30D 3000K Warm Dim to 1800K* 35K 3500K Neutral White *Only available for Z2	BK Black Powder Coat WH Warm White Powder Coat RAL 9010

	Z1		Z2		Z2	
BEAM ANGLE	15°	55°	20°	50°	20°	50°
COLOR TEMPERATURE	30K	30K	30K	30K	30D	30D
TOTAL LUMENS	686	873	795	1188	727	879
WATTS	16	16	16	16	15	15
LUMENS PER WATT (lm/w)	46	61	69	89	50	61
CRI	93	93	94	94	97	97
TM-30 DATA	R9: 66 Rf: 92 Rg: 101	R9: 66 Rf: 92 Rg: 101	R9: 74 Rf: 92 Rg: 102	R9: 74 Rf: 92 Rg: 102	R9: 66 Rf: 94 Rg: 101	R9: 66 Rf: 94 Rg: 101

PROJECT		FIXTURE TYPE		DATE	
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T24 TRACK HEADS

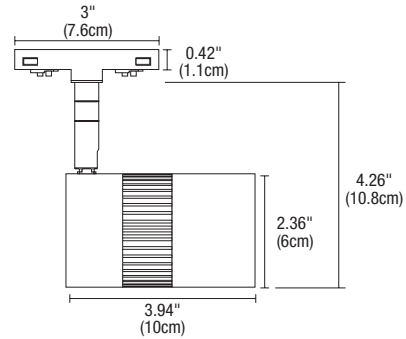
24VDC WITH INTEGRATED LED, STATIC WHITE & WARM DIM TECHNOLOGY

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All uniform beam spread options are field changeable, see accessories page.

RADIANT LARGE

14 WATTS



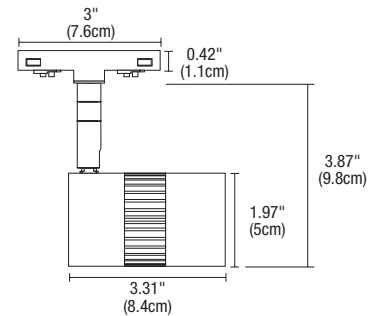
System	Fixture	Beam Spread	Color Temperature	Finish
T24	RADL	FL	30K	WH
T24 24V Track System	RADL Radiant Large	NS Narrow Spot 10° SP Spot 20° NF Narrow Flood 35° FL Flood 45° WF Wide Flood 60° Warm Dim: NS (15°), SP (25°)	24K 2400K Very Warm White 27K 2700K Incandescent White 30K 3000K Warm White 30D 3000D Warm Dim* 35K 3500K Neutral White *Not available in NF	BK Black Powder Coat WH White Powder Coat

BEAM ANGLE REFERENCE 45°

COLOR TEMPERATURE	24K	27K	30K	30D	35K
TOTAL LUMENS	1389	1161	1199	838	1422
WATTS	14	14	14	14	14
LUMENS PER WATT (lm/w)	99	83	86	58	102
CRI	97	92	93	97	98
TM-30 DATA	R9: 60 Rf: 93 Rg: 98	R9: 97 Rf: 92 Rg: 100	R9: 64 Rf: 91 Rg: 98	R9: 90 Rf: 95 Rg: 102	R9: 92 Rf: 94 Rg: 101

RADIANT MEDIUM

11 WATTS (WARM DIM: 8 WATTS)



System	Fixture	Beam Spread	Color Temperature	Finish
T24	RADM	FL	30K	WH
T24 24V Track System	RADM Radiant Medium	SP Spot 20° NF Narrow Flood 35° FL Flood 45° WF Wide Flood 60°	24K 2400K Very Warm White 27K 2700K Incandescent White 30K 3000K Warm White 30D 3000D Warm Dim 35K 3500K Neutral White	BK Black Powder Coat WH White Powder Coat

BEAM ANGLE REFERENCE 45°

COLOR TEMPERATURE	24K	27K	30K	30D	35K
TOTAL LUMENS	765	639	660	360	783
WATTS	11	11	11	7.7	11
LUMENS PER WATT (lm/w)	70	58	64	47	76
CRI	97	92	93	93	98
TM-30 DATA	R9: 97 Rf: 92 Rg: 100	R9: 64 Rf: 91 Rg: 98	R9: 90 Rf: 95 Rg: 102	R9: 92 Rf: 94 Rg: 101	R9: 92 Rf: 94 Rg: 101

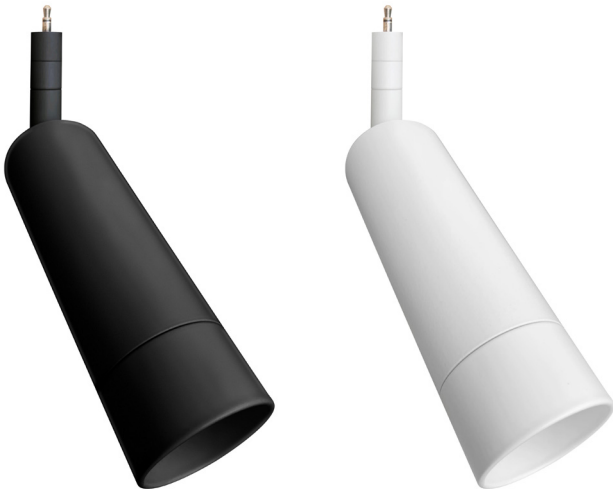
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MATERIAL	Extruded Aluminum	FREQUENCY	50/60HZ	APPLICATION	Suitable for dry locations. Indoor use only.	COMPLIANCE LABEL	ETL to UL 2108 Standard
INPUT VOLTAGE	24VDC	POWER FACTOR	> 0.90	DIMMING & FLICKER	0-10V dimming Flicker less than 2%	LED LAMP LIFE	60,000 Hours

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TUBO SMALL NARROW SPOT (NS) 30D WARM DIM WITH SNOOT DETAIL

WARM DIM: 8 WATTS



0.5" (1.3cm)

1.79" (4.5cm)

3.94" (10cm)

1" (2.5cm)




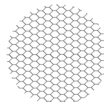


Ø1.61" (4.1cm)



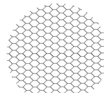


6.84" (17.4cm)



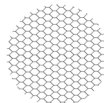


*Snoot is included in ordering code & required for use


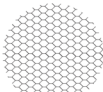


LENSES AND ACCESSORIES

Additional Lenses and Accessories

TUBO LARGE LENS		SNOOT		LOUVER	FOCUS LENS	LINEAR SPREAD FILM
						
ORDERING CODE	STATIC WHITE LEN-TUBL-NS-SW LEN-TUBL-SP-SW LEN-TUBL-NF-SW LEN-TUBL-FL-SW LEN-TUBL-WF-SW WARM DIM LEN-TUBL-SP-WD LEN-TUBL-NF-WD LEN-TUBL-FL-WD LEN-TUBL-WF-WD	STB16-BK STB16-WH (WHITE SHELL)	ST16-BK ST16-WH	L016-H	LF-TUBL-SF (SOFT FOCUS), MF (MEDIUM FOCUS), WF (WIDE FOCUS)	LF-TUBL-LS
LENS SIZE	2" (50mm) Diameter					
BEAM SPREADS	NS (10°), SP (20°), NF (35°) FL (45°), WF (60°)		Conical snoot creates a 7° Beam spread and is designed to reduce spill and control glare. Spun aluminum.	Snoot is designed to reduce spill and control glare. Spun aluminum.	Hexcell louver eliminates glare. 0.125" Thickness.	Soft focus lens is included with every track head. Diffuses the beam, providing uniform illumination.

TUBO SMALL LENS		SNOOT		LOUVER	FOCUS LENS	LINEAR SPREAD FILM
						
ORDERING CODE	STATIC WHITE LEN-TUBS-NS-SW LEN-TUBS-SP-SW LEN-TUBS-NF-SW LEN-TUBS-FL-SW LEN-TUBS-WF-SW WARM DIM LEN-TUBS-NS-WD LEN-TUBS-SP-WD LEN-TUBS-NF-WD LEN-TUBS-FL-WD LEN-TUBS-WF-WD	TUBS-ST-BK TUBS-ST-WH (WHITE SHELL)		L011-H	LF-TUBS-SF (SOFT FOCUS), MF (MEDIUM FOCUS), WF (WHITE FOCUS)	LF-TUBS-LS
LENS SIZE	1.37" (35mm) Diameter					
BEAM SPREADS	NS (15°), SP (25°), NF (35°), FL (45°), VW (75°)		Conical snoot creates a 7° Beam spread and is designed to reduce spill and control glare. Spun aluminum.	Hexcell louver eliminates glare. 0.125" Thickness.	Soft focus lens is included with every track head. Diffuses the beam, providing uniform illumination.	Linear spread film: directs the light into an elongated beam. Typical applications using 10°, 15°, 25° include illuminating landscape oriented art. 35°, 40°, 60° create an elongated oval typically used for wall washing.

RADIANT LARGE LENS		SNOOT		LOUVER	FOCUS LENS	LINEAR SPREAD FILM
						
ORDERING CODE	STATIC WHITE LEN-RADL-NS-SW LEN-RADL-SP-SW LEN-RADL-NF-SW LEN-RADL-FL-SW LEN-RADL-WF-SW WARM DIM LEN-RADL-NS-WD LEN-RADL-SP-WD LEN-RADL-NF-WD LEN-RADL-FL-WD LEN-RADL-WF-WD	STB16-BK STB16-WH (WHITE SHELL)		L016-H	LF-RADL-SF (SOFT FOCUS), MF (MEDIUM FOCUS), WF (WIDE FOCUS)	LF-RADL-LS
LENS SIZE	2" (50mm) Diameter					
BEAM SPREADS	NS (10°), SP (20°), NF (35°), FL (45°), WF (60°)	NS (15°), SP (25°), FL (45°), WF (60°)	Conical snoot creates a 7° Beam spread and is designed to reduce spill and control glare. Spun aluminum.	Hexcell louver eliminates glare. 0.125" Thickness.	Soft focus lens is included with every track head. Diffuses the beam, providing uniform illumination.	Linear spread film: directs the light into an elongated beam. Typical applications using 10°, 15°, 25° include illuminating landscape oriented art. 35°, 40°, 60° create an elongated oval typically used for wall washing.




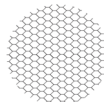


RADIANT MEDIUM LENS		LOUVER	FOCUS LENS	LINEAR SPREAD FILM
				
ORDERING CODE	STATIC WHITE LEN-RADM-SP-SW LEN-RADM-NF-SW LEN-RADM-FL-SW LEN-RADM-WF-SW WARM DIM LEN-RADM-SP-WD LEN-RADM-NF-WD LEN-RADM-FL-WD LEN-RADM-WF-WD	L011-H	LF-RADM-SF (SOFT FOCUS) MF (MEDIUM FOCUS), WF (WIDE FOCUS)	LF-RADM-LS
LENS SIZE	1.37" (35mm) Diameter			
BEAM SPREADS	SP (20°), NF (35°), FL (45°), WF (60°)		Hexcell louver eliminates glare. 0.125" Thickness.	Soft focus lens is included with every track head. Diffuses the beam, providing uniform illumination.

PROJECT		FIXTURE TYPE		DATE	
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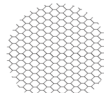


PHOTOMETRIC DATA

Additional Lenses and Accessories



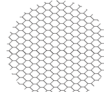


REV 04.10.25

TUBO LARGE LENS		SNOOT		LOUVER	FOCUS LENS	LINEAR SPREAD FILM
						
ORDERING CODE	STATIC WHITE LEN-TUBL-NS-SW LEN-TUBL-SP-SW LEN-TUBL-NF-SW LEN-TUBL-FL-SW LEN-TUBL-WF-SW WARM DIM LEN-TUBL-SP-WD LEN-TUBL-NF-WD LEN-TUBL-FL-WD LEN-TUBL-WF-WD	STB16-BK STB16-WH (WHITE SHELL)	ST16-BK ST16-WH	L016-H	LF-TUBL-SF (SOFT FOCUS), MF (MEDIUM FOCUS), WF (WIDE FOCUS)	LF-TUBL-LS
LENS SIZE	2" (50mm) Diameter					
BEAM SPREADS	NS (10°), SP (20°), NF (35°) FL (45°), WF (60°)		Conical snoot creates a 7° Beam spread and is designed to reduce spill and control glare. Spun aluminum.	Snoot is designed to reduce spill and control glare. Spun aluminum.	Hexcell louver eliminates glare. 0.125" Thickness.	Soft focus lens is included with every track head. Diffuses the beam, providing uniform illumination.


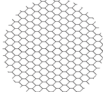


Linear spread film: directs the light into an elongated beam. Typical applications using 10°, 15°, 25° include illuminating landscape oriented art. 35°, 40°, 60° create an elongated oval typically used for wall washing.

TUBO SMALL LENS		SNOOT		LOUVER	FOCUS LENS	LINEAR SPREAD FILM
						
ORDERING CODE	STATIC WHITE LEN-TUBS-NS-SW LEN-TUBS-SP-SW LEN-TUBS-NF-SW LEN-TUBS-FL-SW LEN-TUBS-WF-SW WARM DIM LEN-TUBS-SP-WD LEN-TUBS-NF-WD LEN-TUBS-FL-WD LEN-TUBS-WF-WD	TUBS-ST-BK TUBS-ST-WH (WHITE SHELL)		L011-H	LF-TUBS-SF (SOFT FOCUS), MF (MEDIUM FOCUS), WF (WHITE FOCUS)	LF-TUBS-LS
LENS SIZE	1.37" (35mm) Diameter					
BEAM SPREADS	NS (15°), SP (25°), NF (35°), FL (45°), WF (60°)		Conical snoot creates a 7° Beam spread and is designed to reduce spill and control glare. Spun aluminum.		Hexcell louver eliminates glare. 0.125" Thickness.	Soft focus lens is included with every track head. Diffuses the beam, providing uniform illumination.

Linear spread film: directs the light into an elongated beam. Typical applications using 10°, 15°, 25° include illuminating landscape oriented art. 35°, 40°, 60° create an elongated oval typically used for wall washing.

RADIANT LARGE LENS		SNOOT		LOUVER	FOCUS LENS	LINEAR SPREAD FILM
						
ORDERING CODE	STATIC WHITE LEN-RADL-NS-SW LEN-RADL-SP-SW LEN-RADL-NF-SW LEN-RADL-FL-SW LEN-RADL-WF-SW WARM DIM LEN-RADL-NS-WD LEN-RADL-SP-WD LEN-RADL-NF-WD LEN-RADL-FL-WD LEN-RADL-WF-WD	STB16-BK STB16-WH (WHITE SHELL)		L016-H	LF-RADL-SF (SOFT FOCUS), MF (MEDIUM FOCUS), WF (WIDE FOCUS)	LF-RADL-LS
LENS SIZE	2" (50mm) Diameter					
BEAM SPREADS	NS (10°), SP (20°), NF (35°), FL (45°), WF (60°)	NS (15°), SP (25°), FL (45°), WF (60°)	Conical snoot creates a 7° Beam spread and is designed to reduce spill and control glare. Spun aluminum.		Hexcell louver eliminates glare. 0.125" Thickness.	Soft focus lens is included with every track head. Diffuses the beam, providing uniform illumination.

Linear spread film: directs the light into an elongated beam. Typical applications using 10°, 15°, 25° include illuminating landscape oriented art. 35°, 40°, 60° create an elongated oval typically used for wall washing.

RADIANT MEDIUM LENS		LOUVER	FOCUS LENS	LINEAR SPREAD FILM
				
ORDERING CODE	STATIC WHITE LEN-RADM-SP-SW LEN-RADM-NF-SW LEN-RADM-FL-SW LEN-RADM-WF-SW WARM DIM LEN-RADM-SP-WD LEN-RADM-NF-WD LEN-RADM-FL-WD LEN-RADM-WF-WD	L011-H	LF-RADM-SF (SOFT FOCUS) MF (MEDIUM FOCUS), WF (WIDE FOCUS)	LF-RADM-LS
LENS SIZE	1.37" (35mm) Diameter			
BEAM SPREADS	SP (20°), NF (35°), FL (45°), WF (60°)		Hexcell louver eliminates glare. 0.125" Thickness.	Soft focus lens is included with every track head. Diffuses the beam, providing uniform illumination.

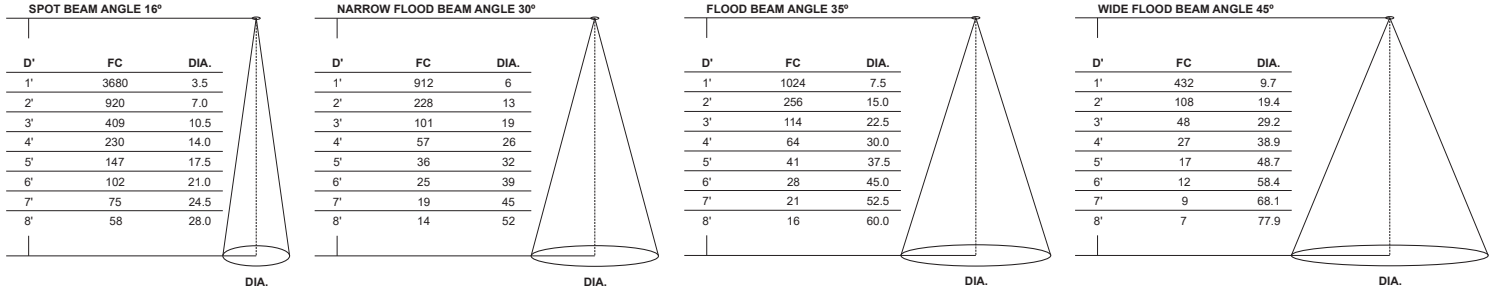
Linear spread film: directs the light into an elongated beam. Typical applications using 10°, 15°, 25° include illuminating landscape oriented art. 35°, 40°, 60° create an elongated oval typically used for wall washing.

PROJECT		FIXTURE TYPE		DATE	
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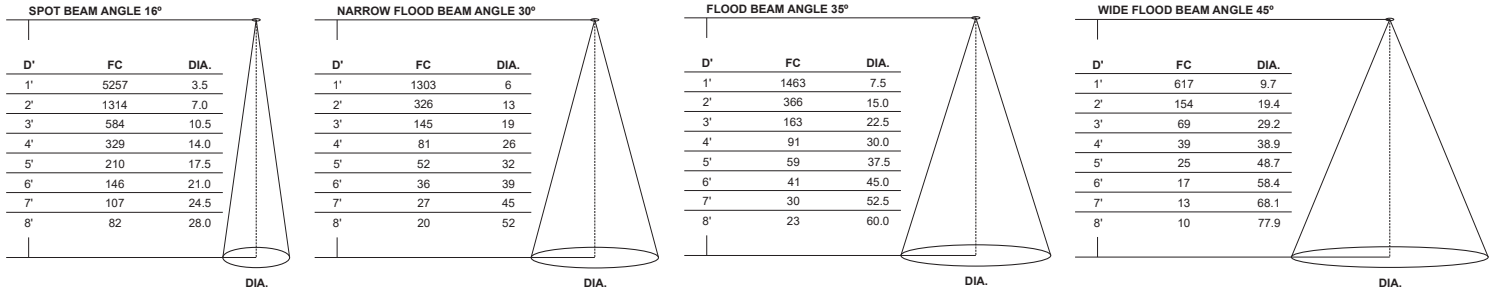
TUBO LARGE RGBTW SMART TRACKHEAD Photometric Data at 3000K

D - Distance from TUBO LARGE fixture
 FC - Initial foot candles at the center of beam
 DIA - Diameter

12 Watt

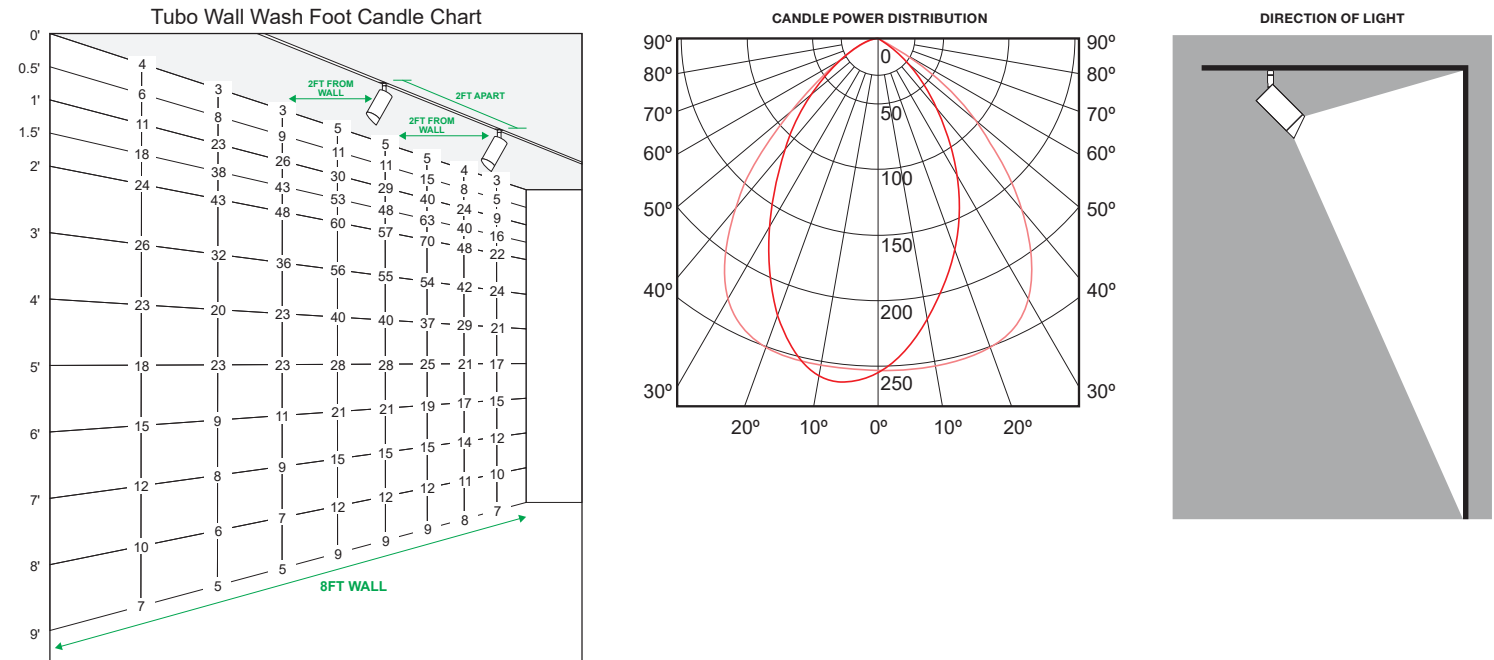


17 Watt



TUBO WALL WASH RGBTW SMART TRACKHEAD Photometric Data at 3000K

D - Distance from fixture
 FC - Initial foot candles at the center of beam
 DIA - Diameter



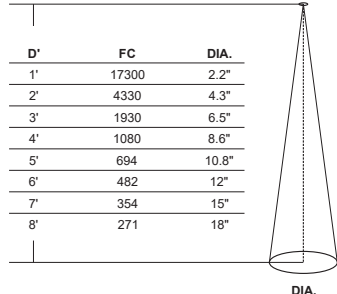
TUBO LARGE Photometric Data at 3000K

D - Distance from fixture

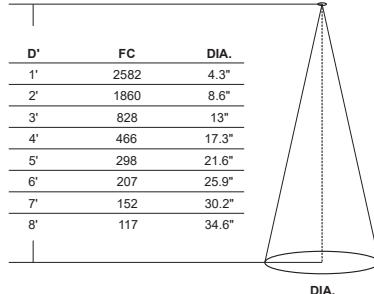
FC - Initial foot candles at the center of beam

DIA - Diameter

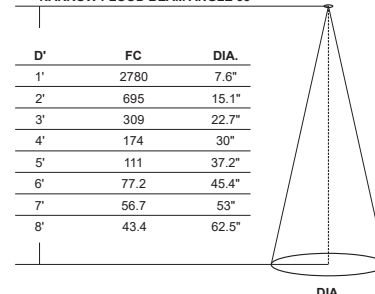
NARROW SPOT BEAM ANGLE 10°



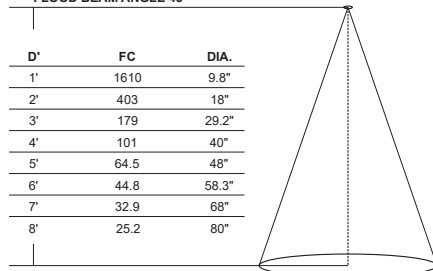
SPOT BEAM ANGLE 20°



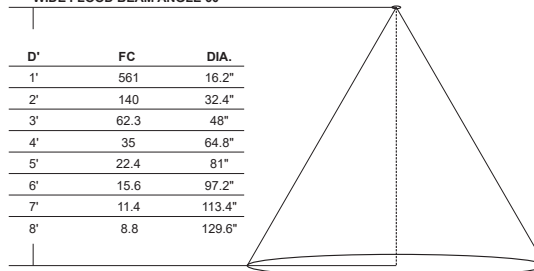
NARROW FLOOD BEAM ANGLE 35°



FLOOD BEAM ANGLE 45°



WIDE FLOOD BEAM ANGLE 60°



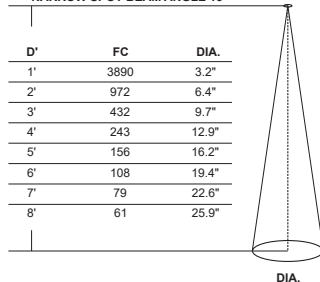
TUBO SMALL Photometric Data at 3000K

D - Distance from fixture

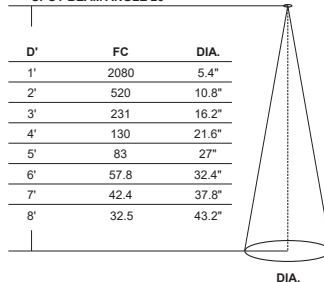
FC - Initial foot candles at the center of beam

DIA - Diameter

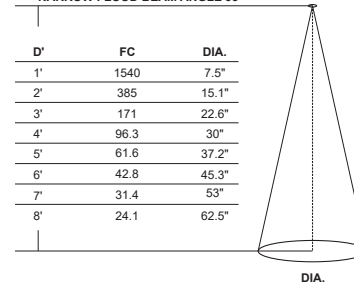
NARROW SPOT BEAM ANGLE 15°



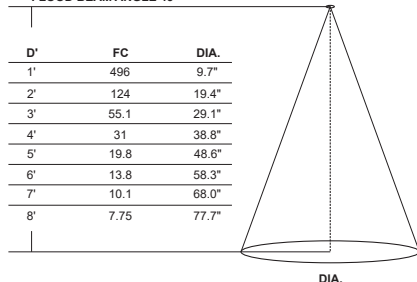
SPOT BEAM ANGLE 25°



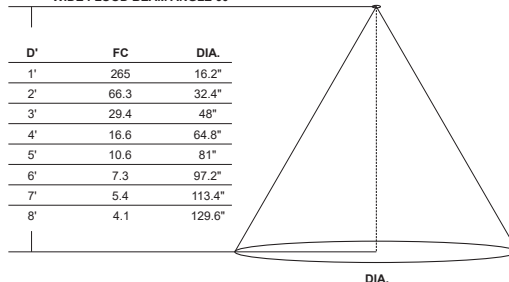
NARROW FLOOD BEAM ANGLE 35°



FLOOD BEAM ANGLE 45°



WIDE FLOOD BEAM ANGLE 60°



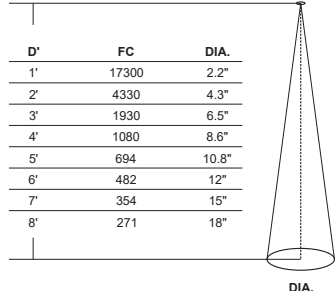
TUBO LARGE DOWNLIGHT Photometric Data at 3000K

D - Distance from fixture

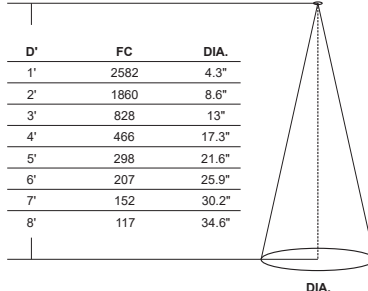
FC - Initial foot candles at the center of beam

DIA - Diameter

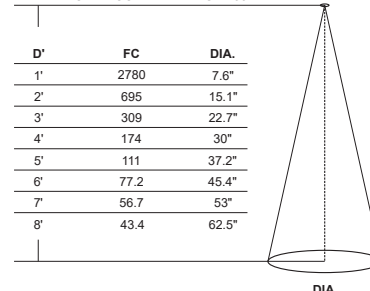
NARROW SPOT BEAM ANGLE 10°



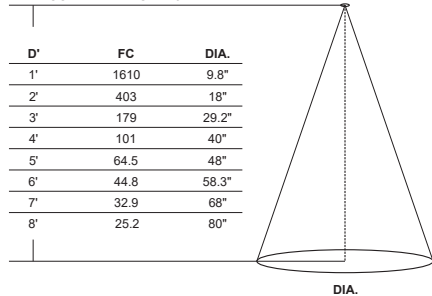
SPOT BEAM ANGLE 20°



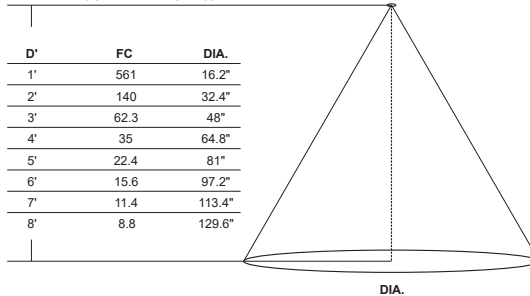
NARROW FLOOD BEAM ANGLE 35°



FLOOD BEAM ANGLE 45°



WIDE FLOOD BEAM ANGLE 60°



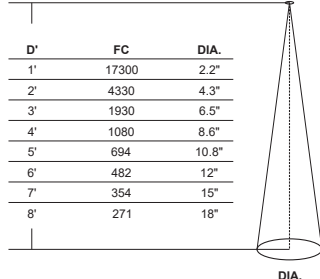
TUBO SMALL DOWNLIGHT Photometric Data at 3000K

D - Distance from fixture

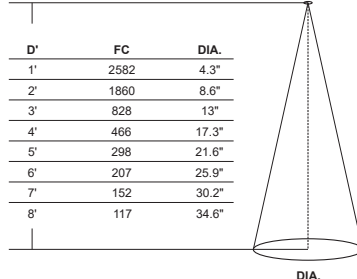
FC - Initial foot candles at the center of beam

DIA - Diameter

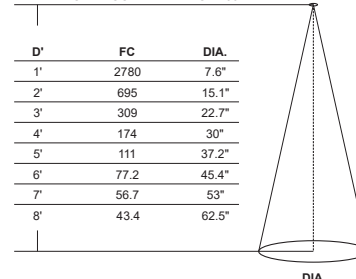
NARROW SPOT BEAM ANGLE 10°



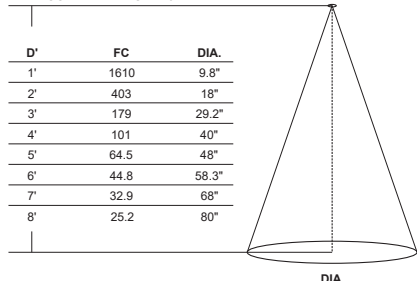
SPOT BEAM ANGLE 20°



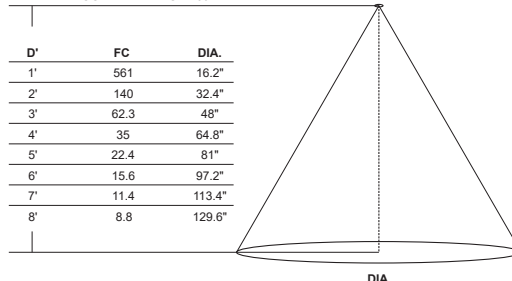
NARROW FLOOD BEAM ANGLE 35°



FLOOD BEAM ANGLE 45°



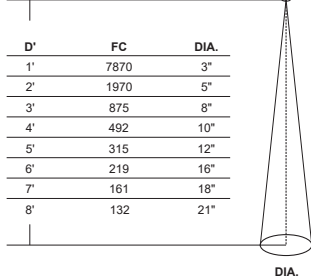
WIDE FLOOD BEAM ANGLE 60°



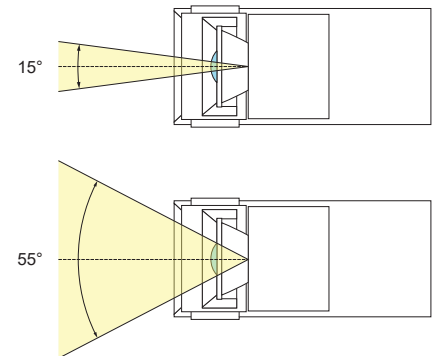
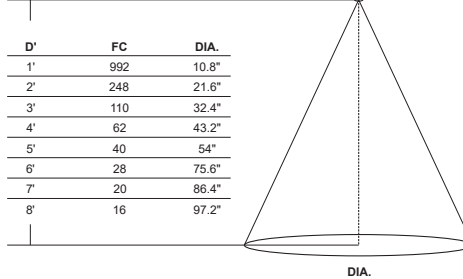
ZOOM Z1 Photometric Data at 3000K

D - Distance from fixture
FC - Initial foot candles at the center of beam
DIA - Diameter

15° BEAM ANGLE



55° BEAM ANGLE

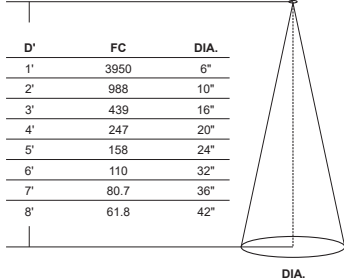


Z1: Adjustable between 15° and 55°

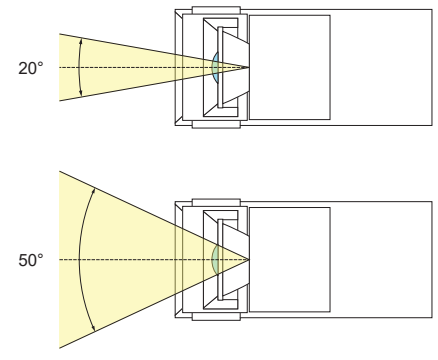
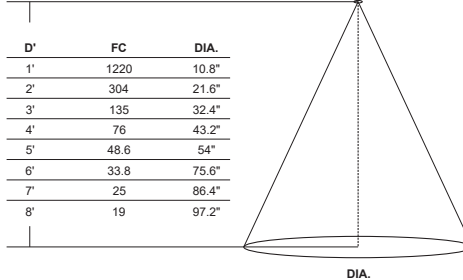
ZOOM Z2 Photometric Data at 3000K

D - Distance from fixture
FC - Initial foot candles at the center of beam
DIA - Diameter

20° BEAM ANGLE



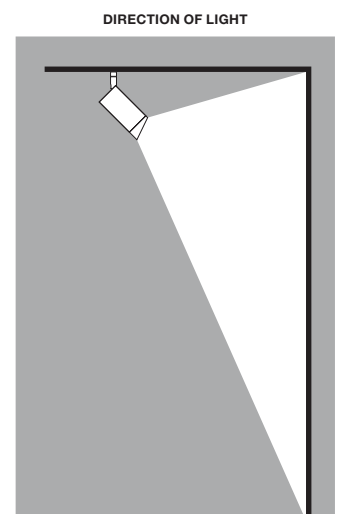
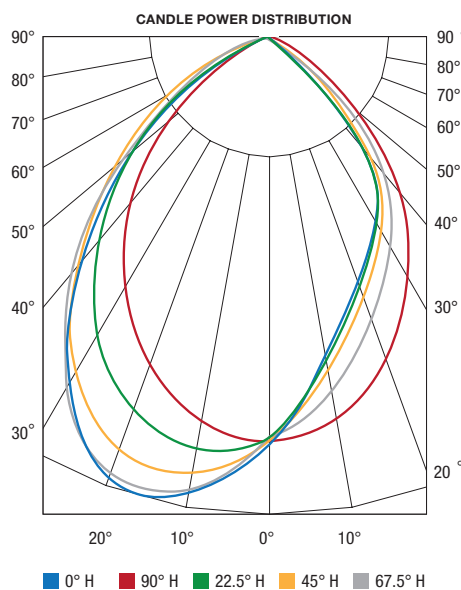
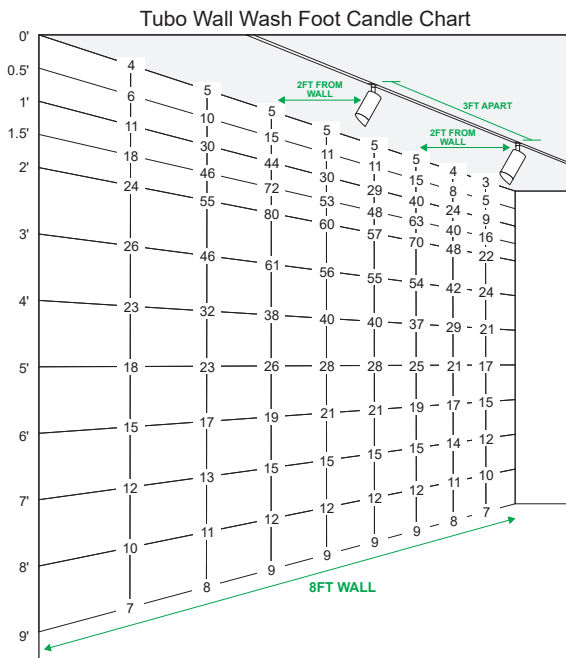
50° BEAM ANGLE



Z2: Adjustable between 20° and 50°

TUBO WALL WASH Photometric Data at 3000K

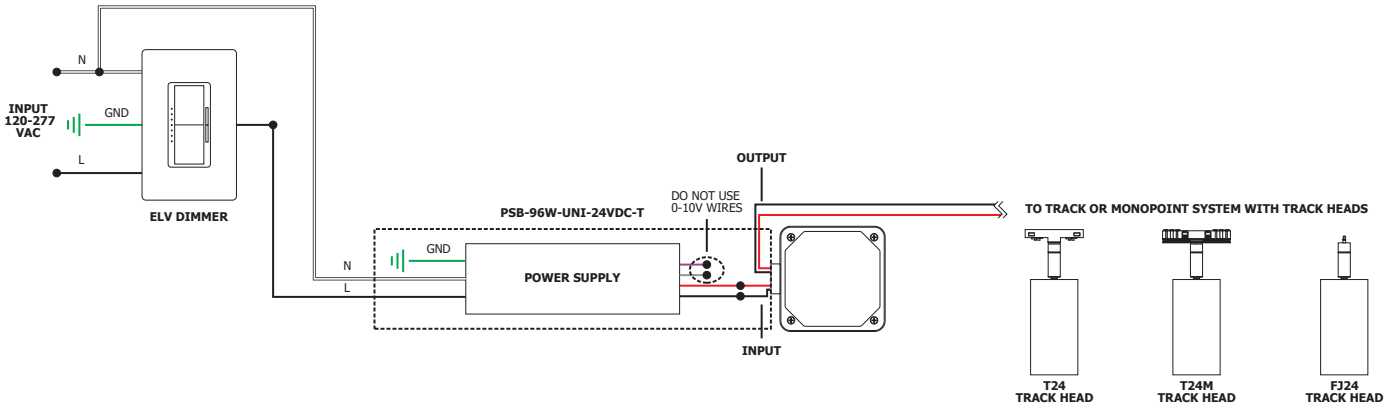
D - Distance from fixture
FC - Initial foot candles at the center of beam
DIA - Diameter



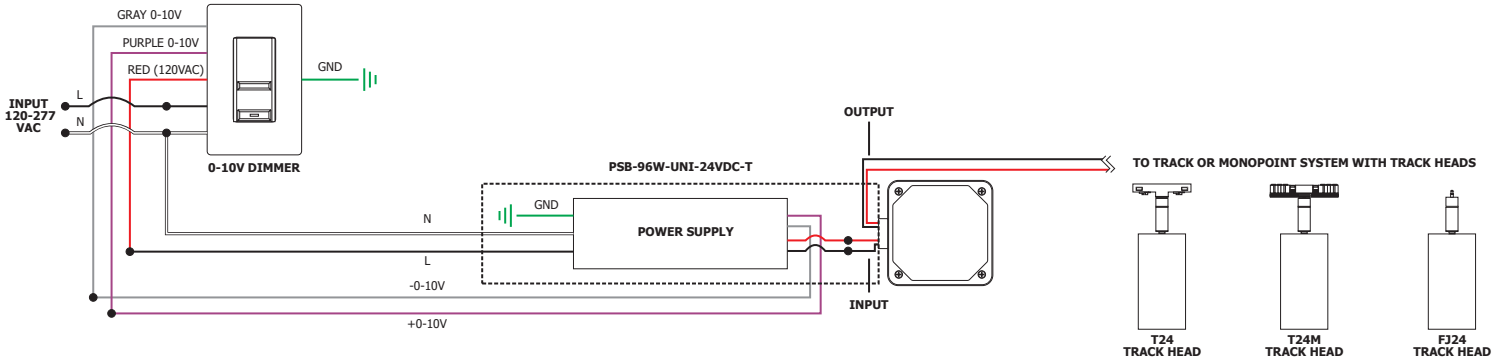
UNIVERSAL POWER SUPPLIES WITH TRIM

24VDC, UNIVERSAL DIMMING (ELV, TRIAC, 0-10V) STATIC WHITE & WARM DIM FOR TRACK HEADS

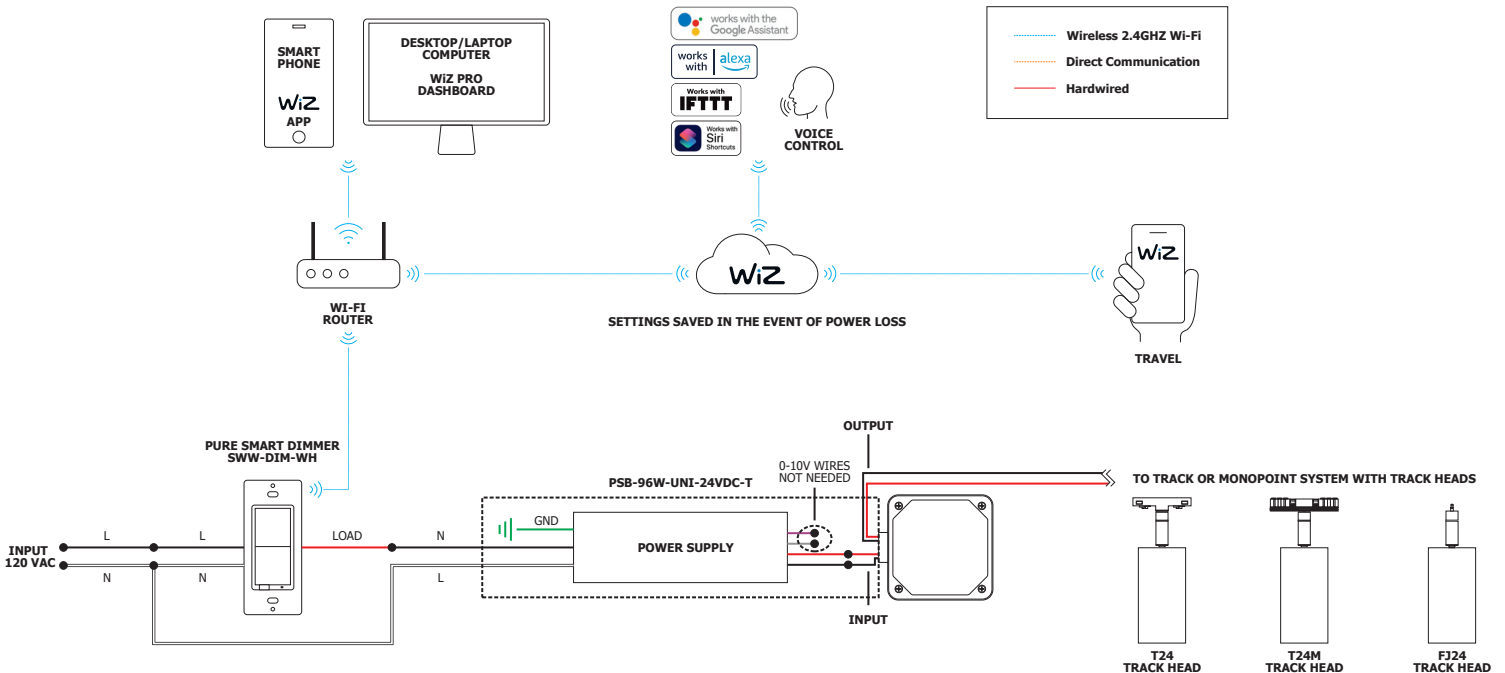
ELV WIRING DIAGRAM



0-10V WIRING DIAGRAM



SMART WIRING DIAGRAM & NETWORK TOPOGRAPHY



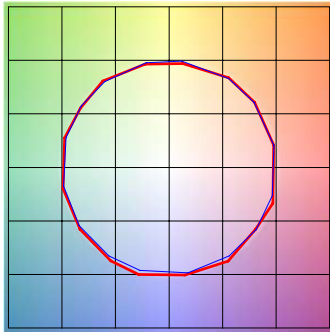
PROJECT		FIXTURE TYPE		DATE	
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TM30-15 DATA

T24 TRACK HEADS

RADIANT LARGE FLOOD 3000K | Rf: 95 | Rg: 101.6

Color Vector Graphic

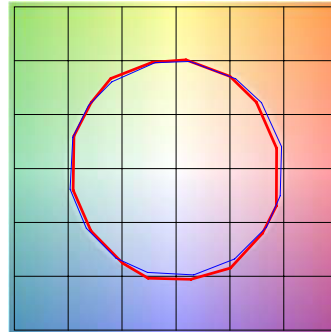


■ Test ■ Reference

GRAPHIC SHIFTS %			
HUE BIN	Rf	CHROMA	HUE
1	96.8	-0.3%	0.3%
2	97.8	0.3%	-0.3%
3	96.5	0.4%	0.3%
4	95.3	-2.1%	-1.4%
5	95.9	-1.1%	1.1%
6	96.4	1.4%	1.3%
7	93.9	-0.5%	1.9%
8	97.3	1.3%	0.3%
9	95.9	1%	2.1%
10	94.0	1.3%	3.3%
11	92.7	2.9%	4.1%
12	92.4	3.8%	-0.4%
13	94.6	1.5%	-3.2%
14	93.0	3.3%	-3.6%
15	94.6	-0.6%	-0.1%
16	90.1	1.9%	-6.9%

RADIANT MEDIUM FLOOD 3000K | Rf: 89.5 | Rg: 100.8

Color Vector Graphic

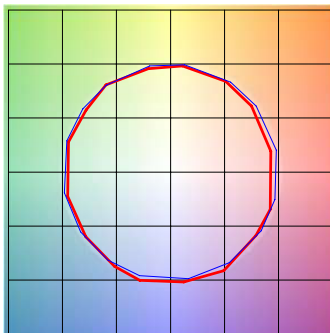


■ Test ■ Reference

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%

TUBO LARGE FLOOD 3000K | Rf: 91.0 | Rg: 98.0

Color Vector Graphic

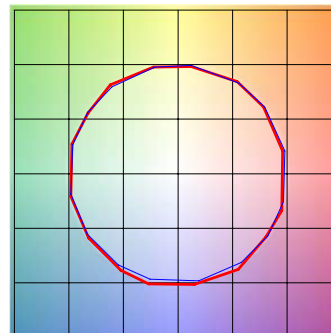


■ Test ■ Reference

GRAPHIC SHIFTS %			
HUE BIN	Rf	CHROMA	HUE
1	89.2	-5.2%	0.1%
2	91.3	-3.6%	2.4%
3	90.2	-1.8%	4.1%
4	94.7	-1.3%	1.8%
5	93.8	-2.3%	1.8%
6	96.8	0.4%	0.0%
7	93.1	-3.2%	-1.0%
8	96.6	-1.5%	0.7%
9	92.7	-2.4%	3.7%
10	87.4	-1.5%	6.3%
11	87.8	1.5%	8.1%
12	89.9	4.4%	1.0%
13	91.7	2.3%	-4.8%
14	87.4	3.3%	-8.5%
15	88.1	-1.5%	-6.3%
16	85.4	-2.6%	-9.8%

TUBO SMALL FLOOD 3000K | Rf: 95.0 | Rg: 102.2

Color Vector Graphic



■ Test ■ Reference

GRAPHIC SHIFTS %			
HUE BIN	Rf	CHROMA	HUE
1	96.6	-1.1%	-0.7%
2	97.9	-0.6%	0.4%
3	95.3	0.1%	2.0%
4	96.5	0.3%	1.4%
5	94.8	0.0%	2.0%
6	94.6	3.0%	0.9%
7	96.3	1.1%	-0.9%
8	96.6	1.5%	-1.3%
9	97.3	0.1%	0.4%
10	95.8	-0.5%	1.8%
11	92.5	1.0%	4.4%
12	92.5	4.1%	0.5%
13	94.9	2.5%	-2.0%
14	92.5	4.0%	-3.5%
15	94.0	1.2%	-3.0%
16	90.1	1.7%	-7.1%

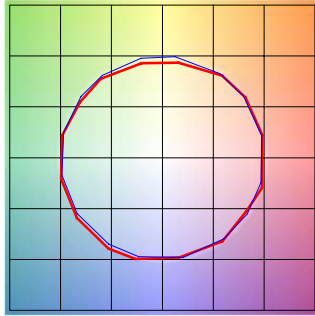
SUSPENSION TM30 DATA

24VDC REMOTE POWER, END FEED

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

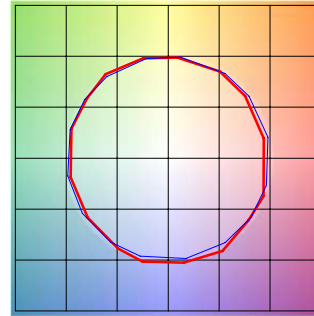


■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	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

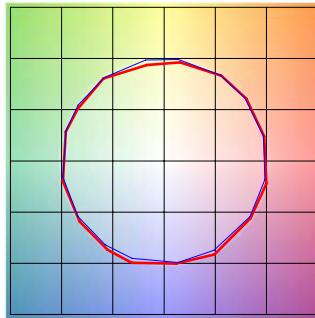


■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	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

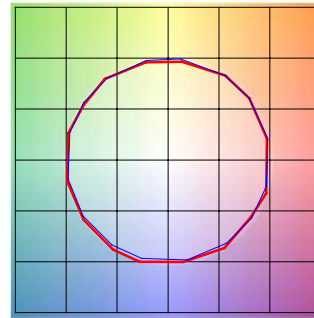


■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	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

		GRAPHIC SHIFTS %	
HUE BIN	Rf	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%

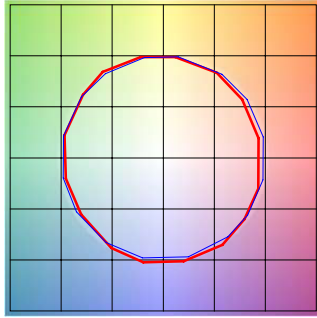
SUSPENSION TM30 DATA

24VDC 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

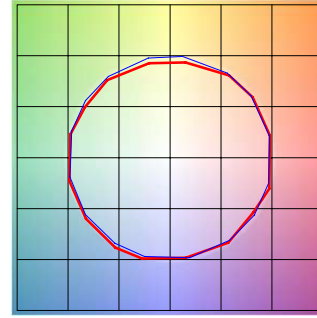


■ Test ■ Reference

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

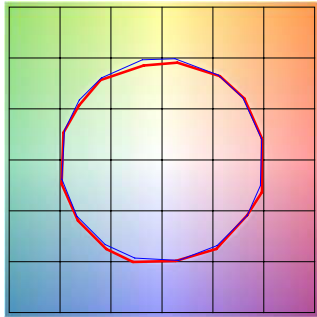


■ Test ■ Reference

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

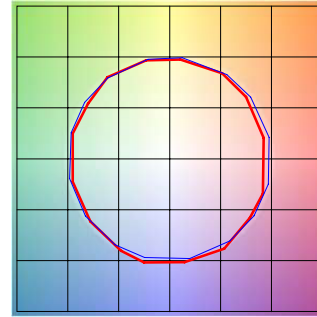


■ Test ■ Reference

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

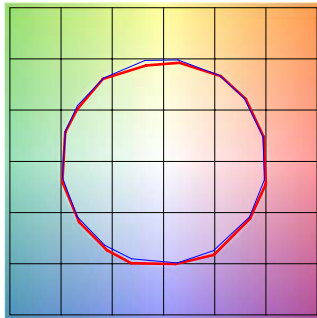


■ Test ■ Reference

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%

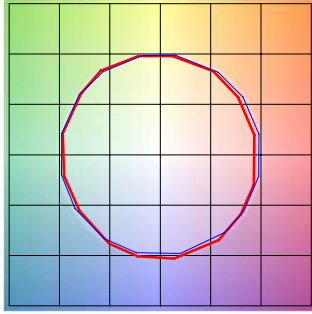
SUSPENSION TM30 DATA

24VDC REMOTE POWER, END FEED

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

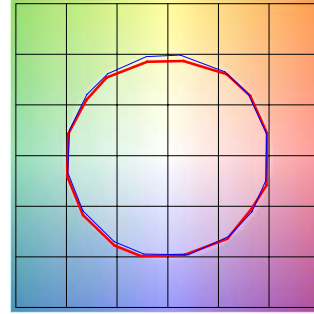


■ Test ■ Reference

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

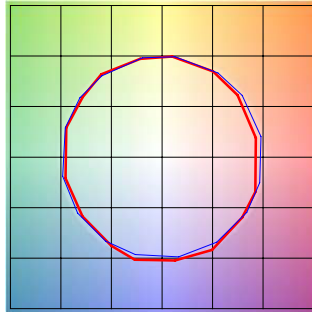


■ Test ■ Reference

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

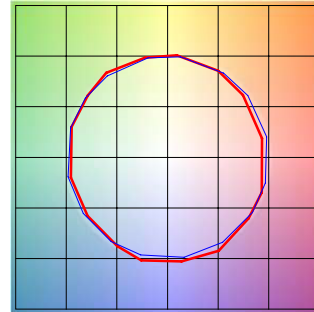


■ Test ■ Reference

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

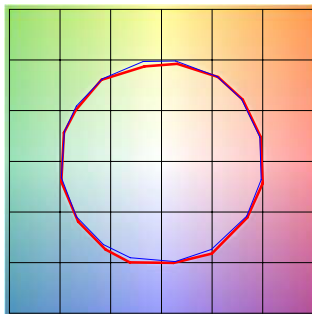


■ Test ■ Reference

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%

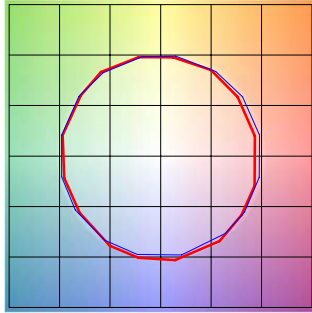
SUSPENSION TM30 DATA

24VDC REMOTE POWER, END FEED

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

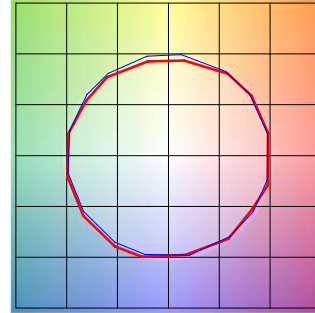


■ Test ■ Reference

		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

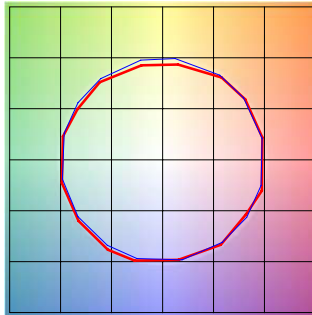


■ Test ■ Reference

		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

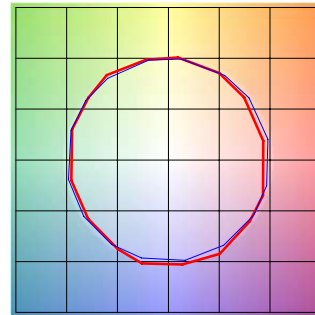


■ Test ■ Reference

		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

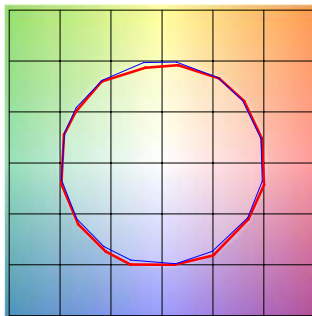


■ Test ■ Reference

		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%

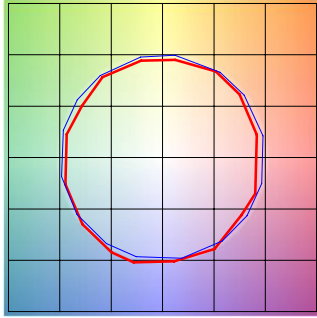
SUSPENSION TM30 DATA

24VDC REMOTE POWER, END FEED

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.

2700K | Rf: 87.7 | Rg: 96.1

Color Vector Graphic

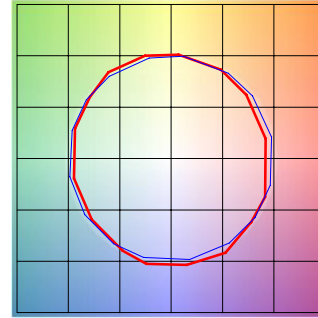


■ Test ■ Reference

		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

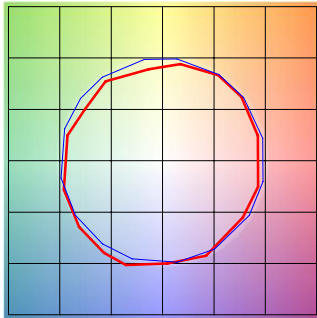


■ Test ■ Reference

		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

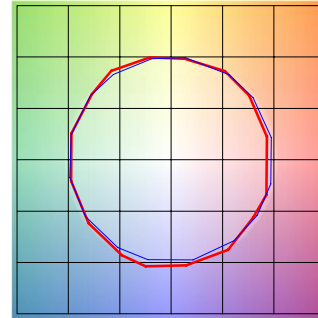


■ Test ■ Reference

		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%

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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