

24VDC REMOTE POWER, RECESSED TWO-CIRCUIT TRACK SYSTEM



REV 07.06.22

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





DESCRIPTION

This innovative, two-circuit TruTrack[®] system features magnetic track head connectors. TruTrack[®] is a plaster-in recessed 24VDC two circuit track system allowing for two groups of fixtures to switch and dim independently. Only as thick as the 5/8" drywall, the TruTrack[®] patented design is precision engineered to blend seamlessly within drywall surfaces, eliminating the need for joist modification, and provides more flexibility to make turns along the ceiling. For a clean architectural aesthetic, a paintable slot cover is supplied with TruTrack[®] leaving only the track head visible once installed.

FEATURES

- Two-circuit system, with two power supplies, allow for independent switching and dimming
- Magnetic Track Heads easily attach to the track and adjust, tilt, and rotate using a single hand with easy installation while on a ladder.
- Designed for use with 24VDC Universal Remote Power Supplies up to 40' away
- Magnetic Track Heads are available in five color temperatures including Warm Dim (30D)
- Track Head Lumen Output up to 1256 Lumens with multiple fixed and adjustable beam spread options
- Designer-grade Color Rendering 95CRI
- Power Feeds offered in End, Center, L, T and X shapes, up to two 200 Watt power supplies before re-feeding, 800 Watts (4 x up to 200W) at Center Feed
- Recessed TruTrack[®] Channel is available in 2', 4', 6' and 8' lengths, with the ability to be cut in the field
- Opaque White Plastic Slot Cover is included with TruTrack[®] Channel to hide Recessed Track Slot and may be painted to match the ceiling

FINISH & MATERIAL

- White Powder Coat
- Extruded Aluminum Channel, conductors are a pair of #10 Gauge Copper Busbar

POWER SUPPLY AND DIMMING (SOLD SEPARATELY)

24VDC, Remote Power

- <u>Wiz Smart Power Supplies & Controls</u>
- UNI Driver: Universal Dimming (TRIAC, ELV, 0-10V)
- *In-Wall Mounting and drop ceiling Kits available for select power supplies

APPLICATIONS

Indoor use only. Ideal applications in residential, commercial, retail and hospitality environments.

WARRANTY / LABELS

5 year pro-rated warranty. Assembled in America

ETL (Conforms to UL 1598 and CSA 22.2 #250.0), Class 2 Under 100 Watts, 200 Watt UL2108



Magnetic Track Heads Easily Click Into Place

TruTrack® 5/8" Drywall Recessed Lighting:

An original, ground-breaking design from PureEdge Lighting – backed by over 30 years of precision manufacturing.

PROJECT	FIXTURE TYPE	DATE	
	www.PureEdgeLighting.com Phone: 773.770.1195 1718 W. Fullerton Ave. Chicago, IL 60614		1
	For custom design and layout assistance, send drawings to design@PureEdgeLighting.com		

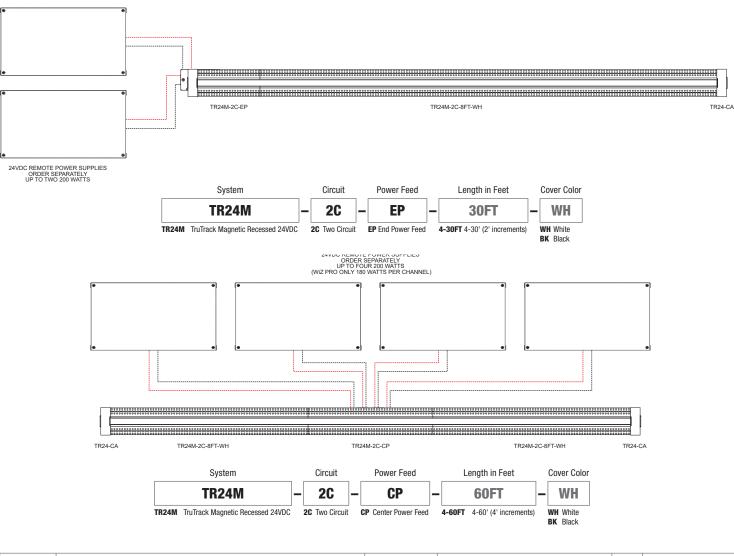


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EASY KIT Straight with power, order fixture and power supplies separately



Kit includes end feed, track, track cover and end caps.

FIXTURE TYPE

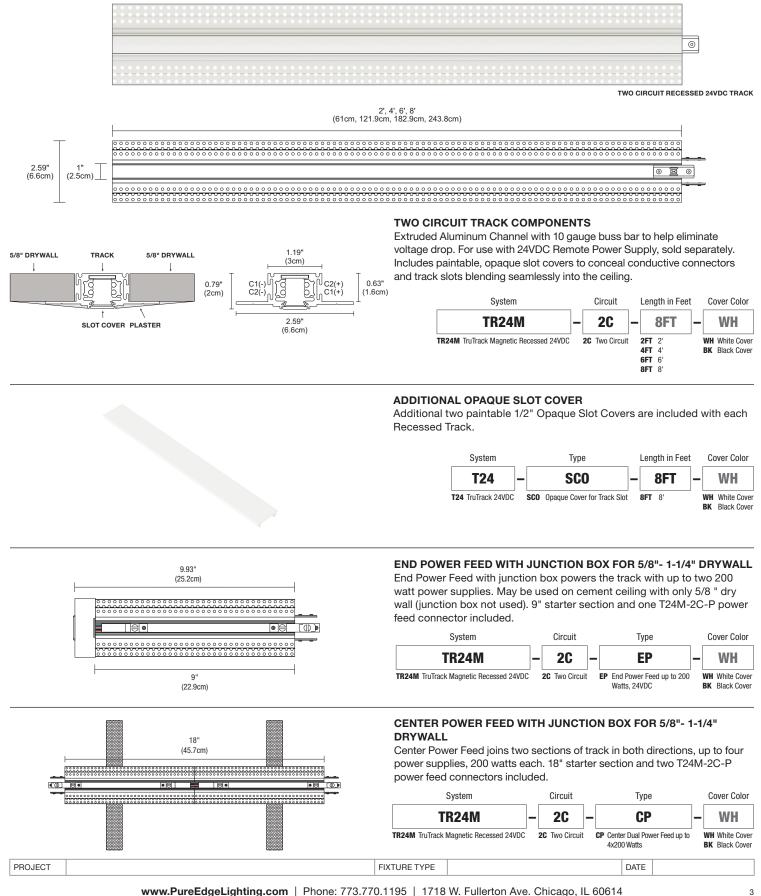
TRUTRACK® MAGNETIC BIY (Build IT YOURSELF)

24VDC REMOTE POWER, RECESSED TWO-CIRCUIT TRACK SYSTEM



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COMPONENTS



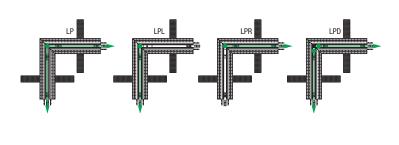
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COMPONENTS

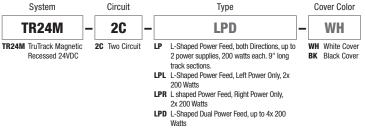
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Indicates 24VDC Power Flow



L-SHAPED POWER FEED FOR 5/8" DRYWALL WITH JUNCTION BOX & POWER CONNECTORS

L-Shaped Power Feed joins two sections of track at 90°. To power two channels with dual power supplies in both directions use **"LP"**. Use ordering code **"LPL"** for feeding the power to the left channel only, use **"LPR"** for right channel only. Use **"LPD"** to power two circuits in both directions using up to four power supplies. 9" starter section and two T24M-2C-P power feed connectors included.



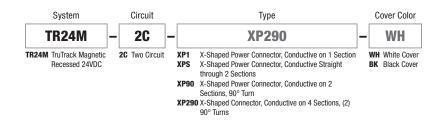
T-SHAPED POWER FEED WITH JUNCTION BOX FOR 5/8"- 1-1/4" DRYWALL & POWER CONNECTORS

T-Shaped Power Feed joins three sections track 90° apart. For powering three channels use **"TP"** which mounts to a 4" junction box. for feeding the power to three section, for (Left to right), use **"TPS"** power two sections. For base to left use **"TPBL"**, for base to right **"TPBR"**, for base only **"TPB"**, left only **"TPL"** or right only **"TPR"**. Includes 9" starter sections and three T24M-2C-P power feed connectors.

IPBL							
	System		Circuit		Туре	(Cover Color
	TR24M	-	2C	-	ТР	–	WH
u, ju	TR24M TruTrack Magnetic Recessed 24VDC	20	Two Circuit	TPB TPBL	T-Shaped Power Connector, Conductive on 3 Sections up to 6 x 200 watts power supplies. 9" long track sections. T-Shaped Connector, Conductive through Left & Right Sections T-Shaped Power Connector, Conductive on Left Sections T-Shaped Power Connector, Conductive on Right Sections T-Shaped Power Connector, Conductive on Base Only T-Shaped Power Connector, Conductive on Base & Left Sections T-Shaped Power Connector, Conductive on Base & Left Sections	BI	H White Cover K Black Cover
					Sections		

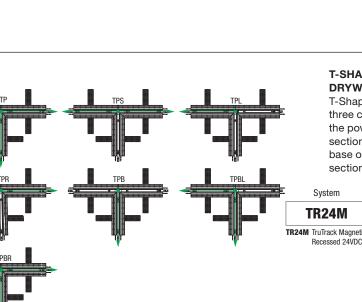


X-Shaped Power Feed joins four sections of track 90° apart. For powering all four channels use **"XP"** which mounts to a 4" junction box. For feeding the power to one section use **"XP1"**, for straight through two sections **"XPS"**, for two sections with 90° turn **"XP90"**, for a T-Shaped section use **"XPT"**, **"XP290"** powers four sections with two 90° turns. Mounts to 4" junction box. Includes 9" starter sections and four T24M-2C-P power feed connectors.



DATE

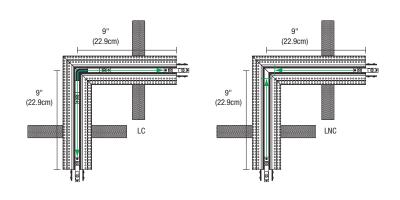
PROJECT



FIXTURE TYPE

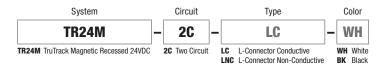


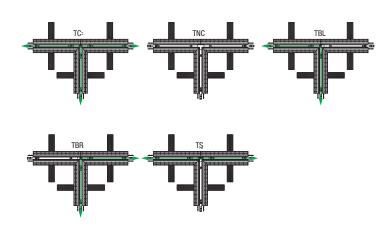
Indicates 24VDC Power Flow



L-SHAPED CONNECTOR

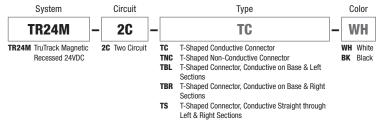
L-Shaped Connector joins two sections of track 90° apart, conducting the power **"LC"** or isolating the power **"LNC"**. Order Non-Conductive when adding two Power Supplies in a square configuration.

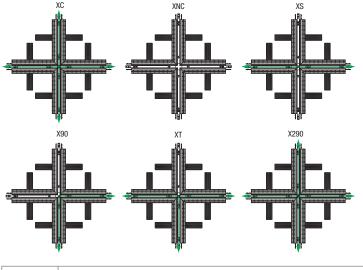




T-SHAPED CONNECTOR

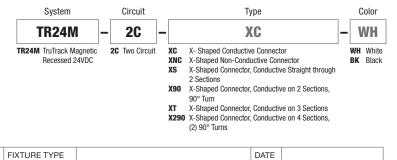
T-Shaped Connector joins three sections of track 90° apart. It isolates the power of each section "**TNC**"; or electrically conducts the power to section(s): all sections "**TC**", base to left section "**TBL**", base to right section "**TBR**" or straight from left to right section "**TS**".





X-SHAPED CONNECTOR

X-Shaped Connector joins four sections of track 90° apart. It isolates the power of each section "**XNC**" or electrically conducts the power to section(s): all sections "**XC**", straight through two sections "**XS**", two sections with 90° turn "**X90**", four sections with two 90° turns "**X290**" or in a T-Shaped section "**XT**".



PROJECT

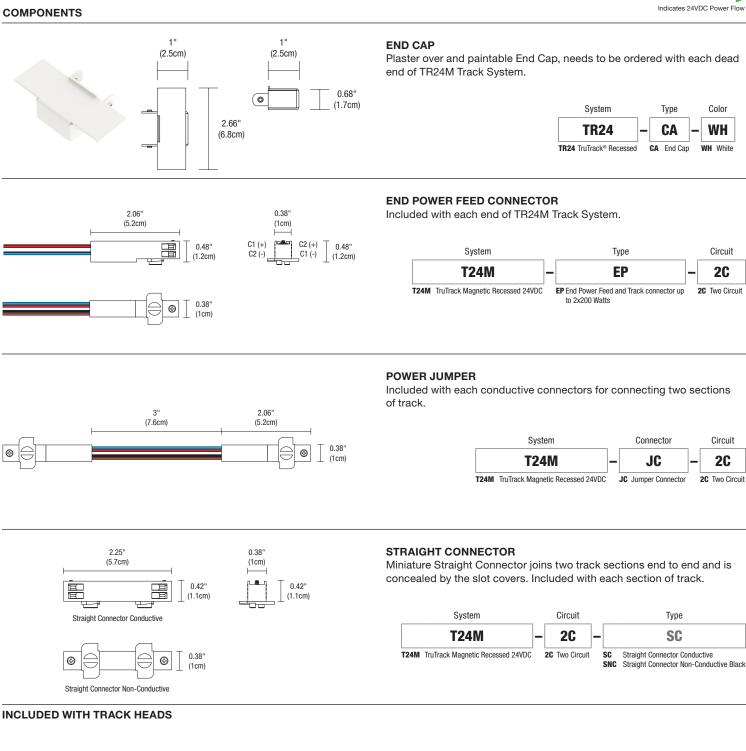
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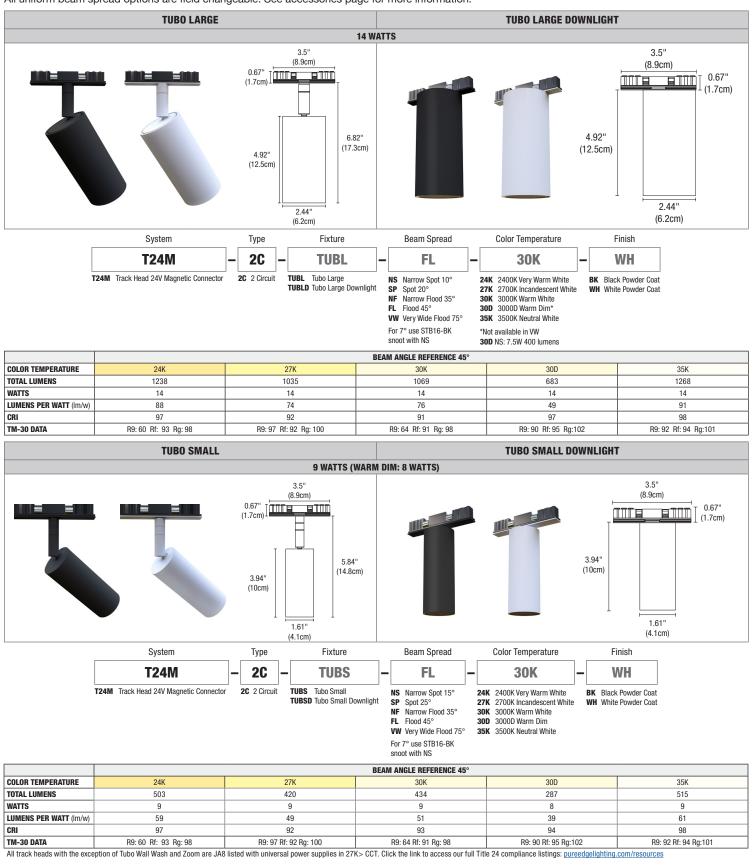
DATE

WE WAR TRACK HEADS, 2 CIRCUIT MAGNETIC 24VDC WITH INTEGRATED LED, STATIC WHITE & WARM DIM TECHNOLOGY



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PureEdge T24M Track Heads are Compatible with TruTrack[®] Magnetic (TR24M-2C) and Surface Mount track (TS24M-2C). All uniform beam spread options are field changeable. See accessories page for more information.



FIXTURE TYPE

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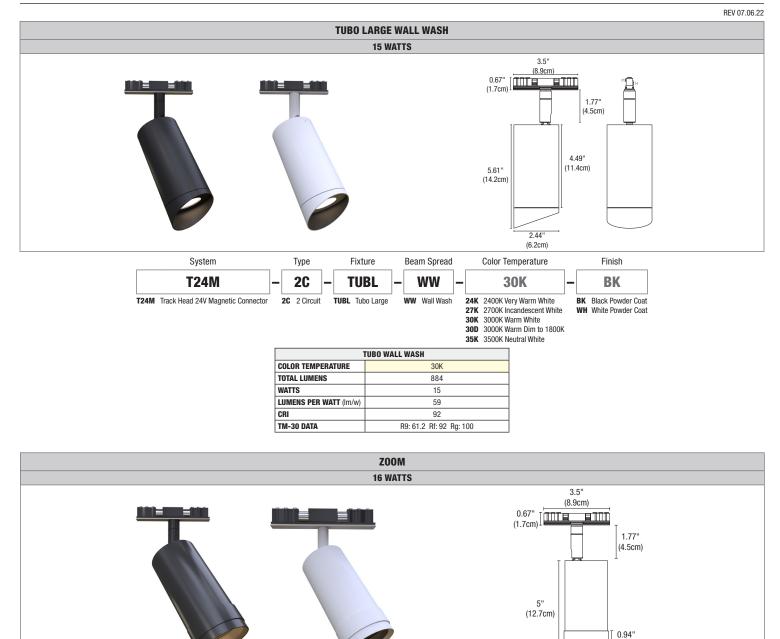
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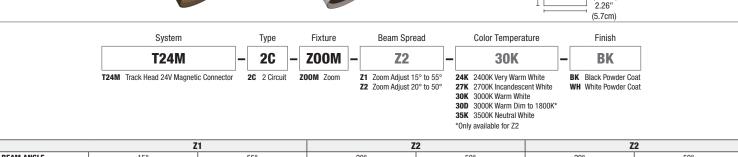
DATE

T24M TRACK HEADS, 2 CIRCUIT MAGNETIC

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







	21		L	2			
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 (Im/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	

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PROJECT		FIXTURE TYPE		DATE	

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(2.4cm)



98

R9: 92 Rf: 94 Rg:101

All uniform beam spread options are field changeable.

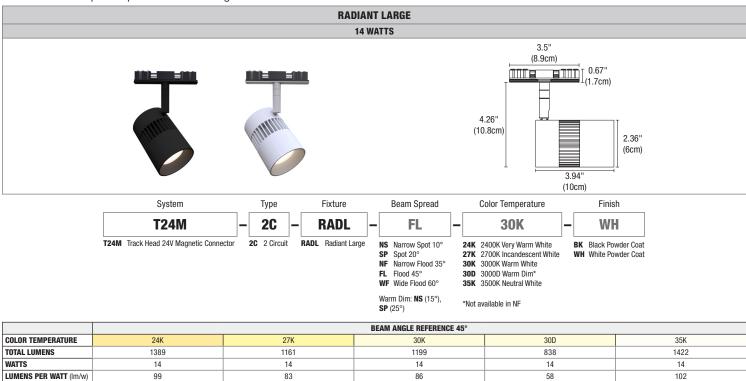
97

R9: 60 Rf: 93 Rg: 98

CRI

TM-30 DATA

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93

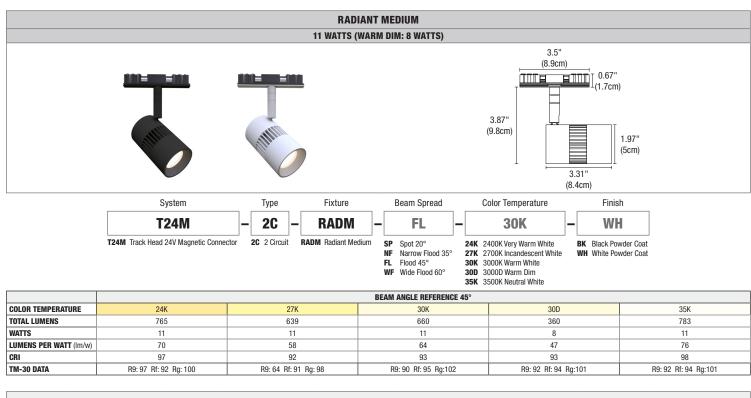
R9: 64 Rf: 91 Rg: 98

97

R9: 90 Rf: 95 Rg:102

92

R9: 97 Rf: 92 Rg: 100



MATERIAL	Extruded Aluminum	FREQUENCY	50/60HZ	APPLICATION	Suitable for damp or 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
All track heads with	h the exception of Tubo Wall Wa	ash and Zoom are JA	A8 listed with universal power s	supplies in 27K> CCT. Clic	k the link to access our full Title 24 compliance listings: pu	reedgelighting.com/resour	rces.

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T24M TRACK HEADS, 2 CIRCUIT MAGNETIC 24VDC WITH INTEGRATED LED, STATIC WHITE & WARM DIM TECHNOLOGY



	nses and Accesso TUBO LA	RGE LENS	SNO	ОТ		LOUVER	F	DCUS LENS	LINEAR SPREAD FILM
			0	6					
DRDERING CODE	STATIC WHITE LEN-TUBL-NS-SW LEN-TUBL-SP-SW LEN-TUBL-NF-SW LEN-TUBL-FL-SW LEN-TUBL-FW-SW	WARM DIM LEN-TUBL-NS-WD LEN-TUBL-SP-WD LEN-TUBL-NF-WD LEN-TUBL-FL-WD	STB16-BK STB16-WH (WHITE SHELL)	ST16-BK ST16-WH		L016-H	MF (L-SF (SOFT FOCUS), Medium Focus), (Wide Focus)	LF-TUBL-LS
LENS SIZE BEAM SPREADS	NS (10°), SP) Diameter (20°), NF (35°) VW (75°)	Conical snoot creates a 7° Beam spread and is designed to reduce spill and control glare. Spun aluminum.	Snoot is designed to spill and control g Spun aluminun	lare.	Hexcell louver eliminates glare. 0.125" Thickness.	with Diffuses	cus lens is included every track head. s the beam, providing orm illumination.	Linear spread film: directs the light into an elongated beam. Typical applications using 10°, 15°, 25° include illuminating landscape orientr art. 35°, 40°, 60° create an elongated oval typically usec
		ALL LENS	002	NOT.		LOUVER	E		for wall washing.
	IOBO SIM	ALL LENS	SNO			LUUVER	F	DCUS LENS	LINEAR SPREAD FILI
DRDERING CODE	STATIC WHITE LEN-TUBS-NS-SW LEN-TUBS-SP-SW LEN-TUBS-NF-SW LEN-TUBS-FL-SW LEN-TUBS-VW-SW	WARM DIM LEN-TUBS-NS-WD LEN-TUBS-SP-WD LEN-TUBS-NF-WD LEN-TUBS-FL-WD LEN-TUBS-VW-WD	TUBS- Tubs-st-wh (1			L011-H	MF (S-SF (SOFT FOCUS), MEDIUM FOCUS), (WHITE FOCUS)	LF-TUBS-LS
ENS SIZE BEAM SPREADS	NS (15°), SP (m) Diameter 25°), NF (35°), VW (75°)	Conical snoot creates a 7° Bea reduce spill and control		ned to	Hexcell louver eliminates glare. 0.125" Thickness.	with Diffuses	cus lens is included every track head. s the beam, providing orm illumination.	Linear spread film: directs the light into an elongated beam. Typical applications using 10°, 15°, 25° include illuminating landscape orient art. 35°, 40°, 60° create ar elongated oval typically use for wall washing.
	RADIANT L	ARGE LENS	SNO	ОТ		LOUVER	F	DCUS LENS	LINEAR SPREAD FILM
DRDERING 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-FL-WD LEN-RADL-WF-WD	STB10 STB16-WH (W			L016-H	MF (L-SF (SOFT FOCUS), MEDIUM FOCUS), (WIDE FOCUS)	LF-RADL-LS
LENS SIZE	2" (50mm) Diameter							Linear spread film: directs
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° Bea reduce spill and control			Hexcell louver eliminates glare. 0.125" Thickness.	with Diffuses	cus lens is included every track head. s the beam, providing orm illumination.	the light into an elongated beam. Typical applications using 10°, 15°, 25° include illuminating landscape orient art. 35°, 40°, 60° create an elongated oval typically used for wall washing.
								L INFAR	SPREAD FILM
	RADIANT M	EDIUM LENS	LOUVER			FOCUS LENS		EINEAN	•••••••
	RADIANT M	EDIUM LENS	LOUVER			FOCUS LENS			
DRDERING CODE	RADIANT M	WARM DIM LEN-RADM-SP-WD LEN-RADM-NF-WD LEN-RADM-FL-WD LEN-RADM-FL-WD	LOUVER			FOCUS LENS	US)		-RADM-LS
DRDERING CODE	STATIC WHITE LEN-RADM-SP-SW LEN-RADM-NF-SW LEN-RADM-FL-SW	WARM DIM LEN-RADM-SP-WD LEN-RADM-NF-WD LEN-RADM-FL-WD LEN-RADM-WF-WD			MF (M	LF-RADM-SF (SOFT FOCUS)		Linear spread film: di	

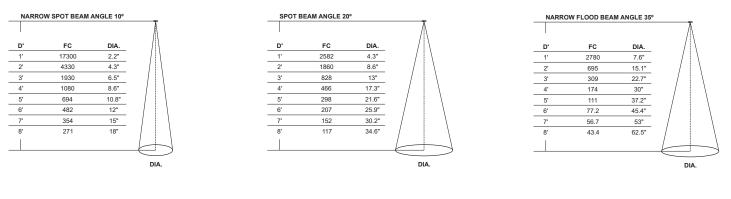
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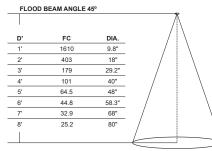


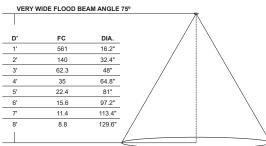
TUBO LARGE Photometric Data at 3000K

D - Distance from fixture

FC - Initial foot candles at the center of beam DIA - Diameter



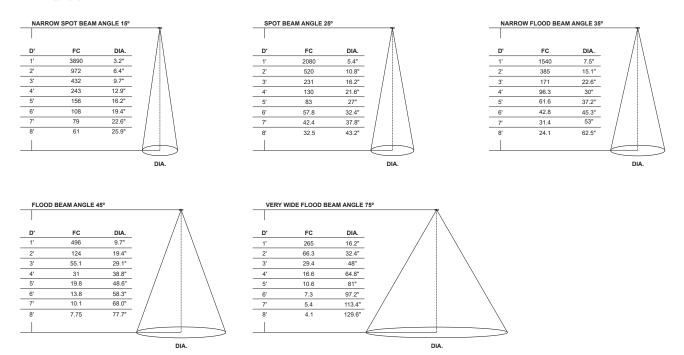




TUBO SMALL Photometric Data at 3000K

D - Distance from fixture

FC - Initial foot candles at the center of beam **DIA** - Diameter



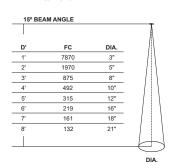
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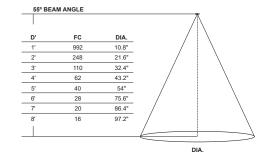


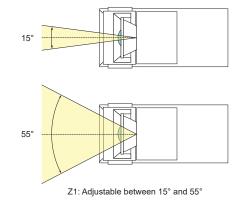
ZOOM Z1 Photometric Data at 3000K

D - Distance from fixture

FC - Initial foot candles at the center of beam **DIA** - Diameter



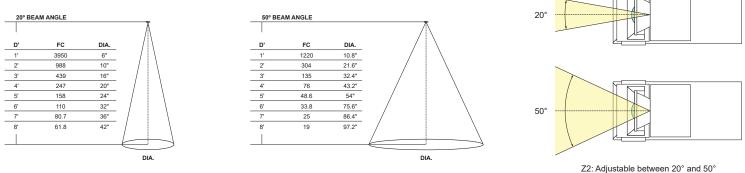




ZOOM Z2 Photometric Data at 3000K

D - Distance from fixture

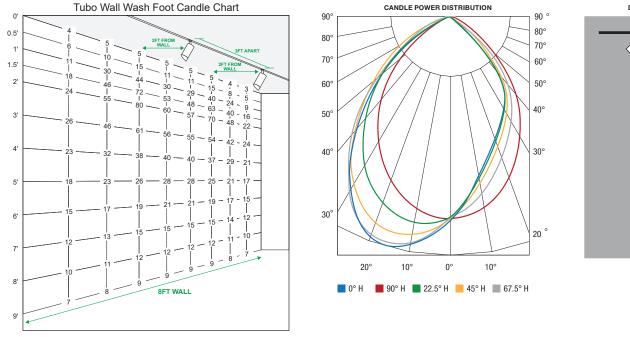
FC - Initial foot candles at the center of beam **DIA** - Diameter



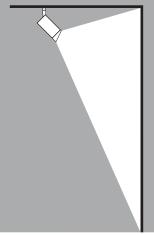
TUBO WALL WASH Photometric Data at 3000K

D - Distance from fixture

FC - Initial foot candles at the center of beam **DIA** - Diameter



DIRECTION OF LIGHT



DATE

PROJECT

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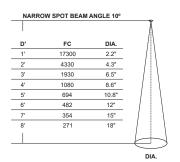
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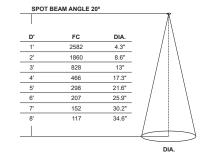


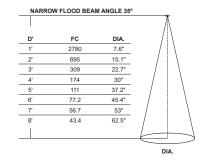
RADIANT LARGE Photometric Data at 3000K

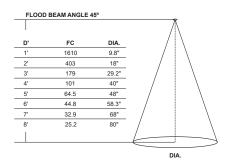
D - Distance from fixture

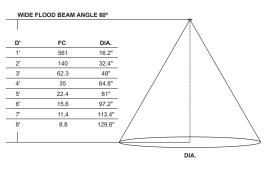
FC - Initial foot candles at the center of beam DIA - Diameter









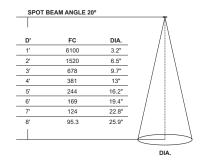


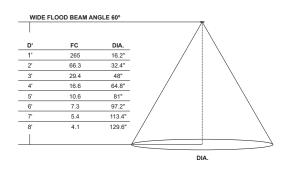
RADIANT MEDIUM Photometric Data at 3000K

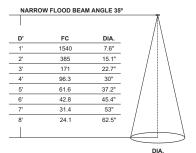
- D Distance from fixture
- FC Initial foot candles at the center of beam

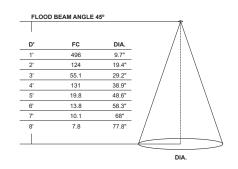
DIA - Diameter

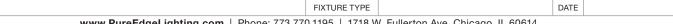
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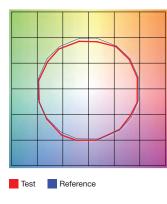






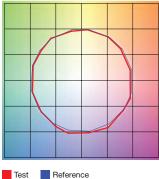
TM-30-15 DATA: Consistent color temperatures among multiple track heads is possible through a 3 phase binning process in which each order is inspected with a color meter to ensure uniformity.

2400K | Rf: 91.2 | Rg: 96.8 Color Vector Graphic



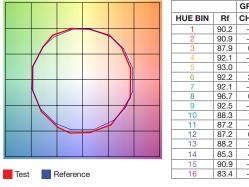
		GRAPHIC	SHIFTS %
HUE BIN	Rf	CHROMA	HUE
1	92.0	-2.4%	1.5%
2	94.7	-2.1%	0.0%
3	95.4	-1.9%	-0.1%
4	88.7	-6.7%	-3.1%
5	92.8	-5.6%	1.0%
6	92.7	-3.4%	3.4%
7	89.9	-4.3%	4.1%
8	92.4	-1.4%	4.4%
9	89.0	-0.6%	5.8%
10	88.9	0.4%	6.2%
11	89.7	4.0%	5.4%
12	92.6	3.0%	-0.7%
13	90.9	1.1%	-7.0%
14	89.9	0.5%	-5.8%
15	92.1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

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



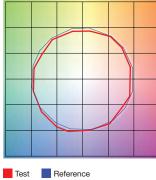
			GRAPHIC	SHIFTS %
	HUE BIN	Rf	CHROMA	HUE
	1	92.5	-3.1%	0.3%
	2	93.3	-2.3%	1.9%
	3	90.9	-0.8%	3.9%
	4	94.3	-1.1%	1.4%
	5	92.5	-2.6%	1.5%
	6	96.4	1.2%	-0.3%
	7	92.6	-2.5%	-0.0%
	8	96.9	-1.4%	0.2%
	9	92.3	-1.8%	4.3%
	10	86.6	-0.7%	7.0%
	11	86.5	2.4%	8.2%
	12	89.8	5.9%	1.7%
	13	93.9	2.6%	-2.7%
	14	89.4	5.1%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

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



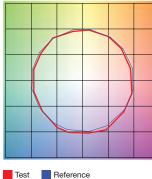
		GRAPHIC	SHIFTS %
HUE BIN	Rf	CHROMA	HUE
1	90.2	-4.2%	1.5%
2	90.9	-2.0%	3.7%
3	87.9	0.8%	5.5%
4	92.1	-0.9%	0.6%
5	93.0	1.5%	1.6%
6	92.2	3.9%	-0.2%
7	92.1	-0.3%	-2.0%
8	96.7	0.0%	-1.2%
9	92.5	-0.6%	3.7%
10	88.3	1.1%	7.0%
11	87.2	4.1%	7.4%
12	87.2	6.7%	-1.0%
13	88.2	3.8%	-7.2%
14	85.3	4.3%	-9.9%
15	90.9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

Color Vector Graphic



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

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



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

2700K | Rf: 87.7 | Rg: 96.1

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DATE