



T24-TUBS-SP-30K-WH



T24-TUBS-SP-30K-BK

DESCRIPTION

The Tubo Small Downlight is an 8 watt, 24VDC LED Track Head with three changeable optic reflectors, 3000K-1800K (Warm Dim) or Standard 3000K, 98 CRI with R9-98 Integral LED chip. The fixture design is of a flat-backed tube heat sink that swivels 90° vertically and 360° horizontally. The 24 Low Voltage Track Connector allows you to choose the mounting system from TS24 Surface Mount Track, TR24 Recessed Track, Nova or Pipeline low voltage systems. The small package of Tubo Small Track Head offers to consumers maximum light output with a low wattage.

FINISH & MATERIAL

- Finished in Black or White Powdered Paint
- Cast Aluminum
- Tilt: 90°
- Rotation: 360°

MOUNTING OPTIONS

Mounts to any T24 (24VDC track) including TS24 Surface Track, TR24 Recessed Track, Nova Track (NCTR Surface or NSTR Suspension) or Pipeline Track (P1CTR Surface or P1STR Suspension)

REFLECTORS

Field changeable single optic reflector gives a smooth uniform beam at 20°, 40°, or 60° beam spreads

APPLICATIONS

Suitable for damp or dry locations, interior use only

INTEGRAL LED LAMP

- 24K Standard Dim 8.3 Watts at 523 Lumens, CRI:92, Rf:91, Rg:98
- 27K Standard Dim 8.3 Watts at 427 Lumens, CRI:96, Rf:93, Rg:99
- 30K Standard Dim 8.6 Watts at 494 Lumens, CRI:92, Rf:90, Rg:99
- 30K Warm Dim (**30D**) 6.5 Watts at 428 Lumens, Color Temperature dims from 3000K to 1800K, CRI:96, Rf:93, Rg:100
- 35K Standard Dim 8.8 Watts at 485 Lumens, CRI:98, Rf:93, Rg:99

POWER SUPPLY

- Remote Power Supply: 120V input/24VDC output (Track and Power Supply, Sold Separately)
- PSB-96W-010-24VDC Power Supplies (Sold Separately)
- Frequency: 120HZ

DIMMING

- Dimmable to 1% Percent, Flicker less than 2%
- 0-10 Volt dimming only. Compatible with Lutron Diva, Skylark and Legrand 0-10 Volt dimmers
- Dimmers sold separately

ACCESSORIES

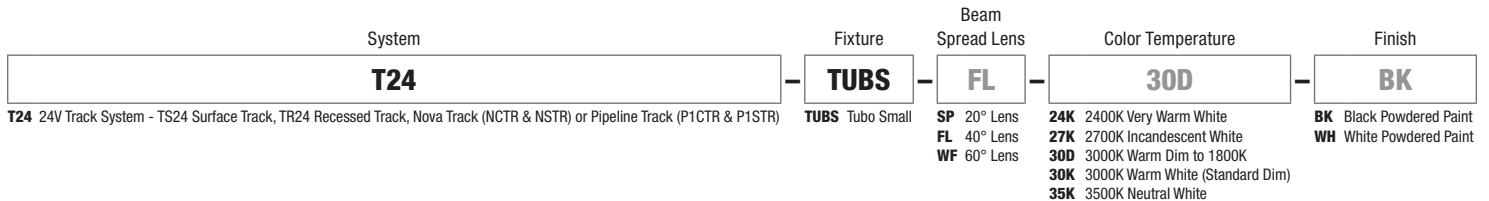
TUBO SMALL	ORDERING CODE
20° BEAM SPREAD	REF-1.375-SP
40° BEAM SPREAD	REF-1.375-FL
60° BEAM SPREAD	REF-1.375-WF

COMPLIANCE LABEL

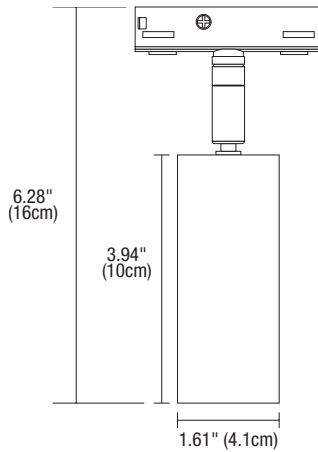
ETL (Conforms to UL1598 and CSA 22.2 #250.0). Title 24

WARRANTY

5 year pro-rated warranty. See PureEdgeLighting.com



PROJECT	FIXTURE TYPE	DATE
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FILM FILTERS

OLD PART NUMBER	NEW PART NUMBER
LF1.75-SF	LF-RADL-SF
LF1.387-SF	LF-RADM-SF
LF2.0-SF	LF-TUBL-SF
LF1.415-SF	LF-TUBS-SF
LF1.565-SF	LF-DELS-SF
LF1.75-LS	LF-RADL-LS
LF1.387-LS	LF-RADM-LS
LF2.0-LS	LF-TUBL-LS
LF1.415-LS	LF-TUBS-LS
LF1.565-LS	LF-DELS-LS

LAMP DATA Lamp Data for Tubo Small LED T24 Track Head, 2400K

COLOR TEMP. (K)	WATTS	LUMENS	LUMENS PER WATT	INPUT VOLTAGE	CRI	BEAM ANGLE	LAMP LIFE	TM-30 DATA
2400K	8.33	523	63	24VDC	92.7	40° (FL)	50,000 Hours 70% Lumen Maintenance	R9 = 61 Rf: 91.3 Rg: 98.9

LAMP DATA Lamp Data for Tubo Small LED T24 Track Head, 2700K

COLOR TEMP. (K)	WATTS	LUMENS	LUMENS PER WATT	INPUT VOLTAGE	CRI	BEAM ANGLE	LAMP LIFE	TM-30 DATA
2700K	8.34	427	51.2	24VDC	96.5	40° (FL)	50,000 Hours 70% Lumen Maintenance	R9 = 95 Rf: 93.2 Rg: 99.3

LAMP DATA Lamp Data for Tubo Small LED T24 Track Head, 3000K, Standard Dim

COLOR TEMP. (K)	WATTS	LUMENS	LUMENS PER WATT	INPUT VOLTAGE	CRI	BEAM ANGLE	LAMP LIFE	TM-30 DATA
3000K	8.6	494	55.5	24VDC	92.8	40° (FL)	50,000 Hours 70% Lumen Maintenance	R9 = 65 Rf: 90.7 Rg: 99.9

LAMP DATA Lamp Data for Tubo Small LED T24 Track Head, 3000D Warm Dim

COLOR TEMP. (K)	WATTS	LUMENS	LUMENS PER WATT	INPUT VOLTAGE	CRI	BEAM ANGLE	LAMP LIFE	TM-30 DATA
3000K	6.52	428	65.7	24VDC	96.4	40° (FL)	50,000 Hours 70% Lumen Maintenance	R9 =83 Rf: 93.1 Rg: 100.5

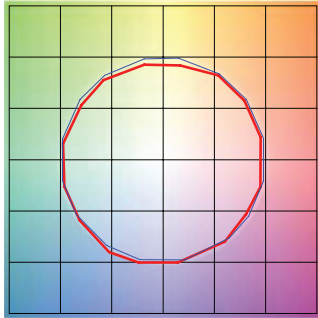
LAMP DATA Lamp Data for Tubo Small LED T24 Track Head, 3500K

COLOR TEMP. (K)	WATTS	LUMENS	LUMENS PER WATT	INPUT VOLTAGE	CRI	BEAM ANGLE	LAMP LIFE	TM-30 DATA
3500K	8.79	485	55.2	24VDC	98	40° (FL)	50,000 Hours 70% Lumen Maintenance	R9 =99 Rf: 93.3 Rg: 99.5

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

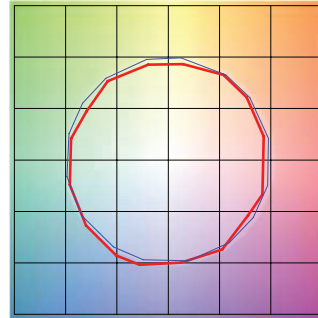
2400K | Rf: 91.2 | Rg: 96.8
Color Vector Graphic



■ Test ■ Reference

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

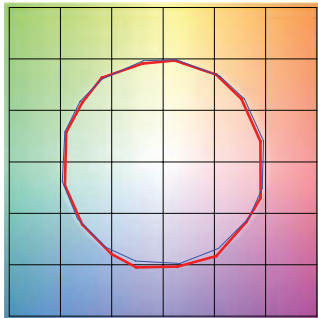
2700K | Rf: 87.7 | Rg: 96.1
Color Vector Graphic



■ Test ■ Reference

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

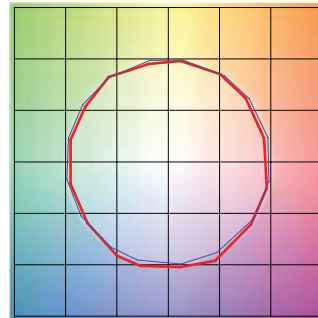
3000K | Rf: 88.1 | Rg: 99.7
Color Vector Graphic



■ Test ■ Reference

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

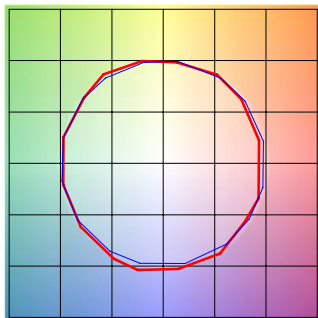
3500K | Rf: 86.1 | Rg: 95.5
Color Vector Graphic



■ Test ■ Reference

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

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



■ Test ■ Reference

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

PROJECT	FIXTURE TYPE	DATE
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