



RADIANT MEDIUM LED 24VDC T24 TRACK HEAD

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA
PATENT PENDING

REV 02.28.20



T24-RADM-SP-30K-WH



T24-RADM-SP-30K-BK

DESCRIPTION

The Radiant Medium is a 11 watt, 24VDC LED Track Head with three changeable optic reflectors, 3000K-1800K (Warm Dim) or Standard 3000K, 97 CRI with R9-88 Integral LED chip. The fixture design is of a flat-back cylinder with a radiant 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 Radiant Medium 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 TM24 Mini 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

11 Watts at 628 Lumens, Warm Dim Color Temperature at 3000K-1800K, 97.7 CRI, R9-88.7, Rf-90.8, Rg-100

9 Watts at 675 Lumens, Static White Temperature at 3000K, 91.5 CRI, R9-50.9, Rf-90.8, Rg-99

POWER SUPPLY IN CANOPY

- 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

ACCESSORIES

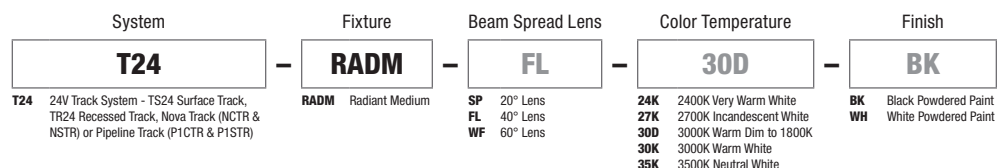
RADIANT MEDIUM	ORDERING CODE
20° BEAM SPREAD	REF-1.375-SP
40° BEAM SPREAD	REF-1.375-FL
60° BEAM SPREAD	REF-1.375-WF

COMPLIANCE LABEL

ETL (Conforms to UL1598 and CSA 22.2 #250.0). Title 24: 4th quarter 2018

WARRANTY

5 year warranty. See PureEdgeLighting.com



PROJECT	FIXTURE TYPE	DATE
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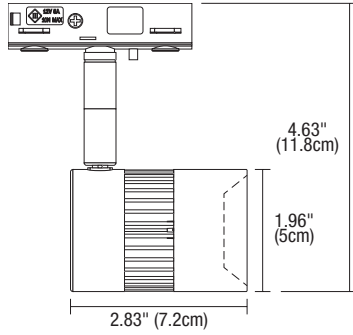


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LAMP DATA Lamp Data for Radiant Medium LED T24 Track Head, 2400K Static White

COLOR TEMP. (K)	WATTS	LUMENS	LUMENS PER WATT	INPUT VOLTAGE	CRI	BEAM ANGLE	LAMP LIFE	TM-30 DATA
2400K	10.6W	867	81	24VDC	92.6	40° (FL)	50,000 Hours 70% Lumen Maintenance	R9 = 60 Rf: 91.3 Rg: 99.1

LAMP DATA Lamp Data for Radiant Medium LED T24 Track Head, 2700K Static White

COLOR TEMP. (K)	WATTS	LUMENS	LUMENS PER WATT	INPUT VOLTAGE	CRI	BEAM ANGLE	LAMP LIFE	TM-30 DATA
2700K	10.6W	808	75	24VDC	96.9	40° (FL)	50,000 Hours 70% Lumen Maintenance	R9 = 97 Rf: 93.1 Rg: 99

LAMP DATA Lamp Data for Radiant Medium LED T24 Track Head, 3000K Warm Dim

COLOR TEMP. (K)	WATTS	LUMENS	LUMENS PER WATT	INPUT VOLTAGE	CRI	BEAM ANGLE	LAMP LIFE	TM-30 DATA
3000K Warm Dims to 1800K	11W	628	57	24VDC	97.7	40° (FL)	50,000 Hours 70% Lumen Maintenance	R9 = 88.7 Rf: 90.8 Rg: 100

LAMP DATA Lamp Data for Radiant Medium LED T24 Track Head, 3000K Static White

COLOR TEMP. (K)	WATTS	LUMENS	LUMENS PER WATT	INPUT VOLTAGE	CRI	BEAM ANGLE	LAMP LIFE	TM-30 DATA
3000K	9W	675	75	24VDC	91.5	40° (FL)	50,000 Hours 70% Lumen Maintenance	R9 = 92 Rf: 90.8 Rg: 99

LAMP DATA Lamp Data for Radiant Medium LED T24 Track Head, 3500K Static White

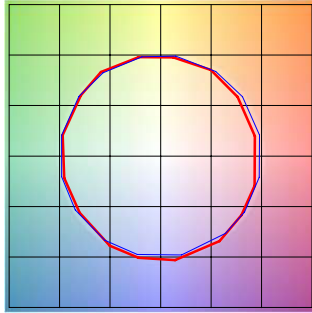
COLOR TEMP. (K)	WATTS	LUMENS	LUMENS PER WATT	INPUT VOLTAGE	CRI	BEAM ANGLE	LAMP LIFE	TM-30 DATA
3500K	10.75W	900	83	24VDC	97.1	40° (FL)	50,000 Hours 70% Lumen Maintenance	R9 = 90 Rf: 93.6 Rg: 100.9

PROJECT	FIXTURE TYPE	DATE

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

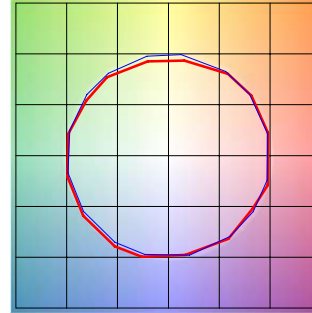


■ Test ■ Reference

		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

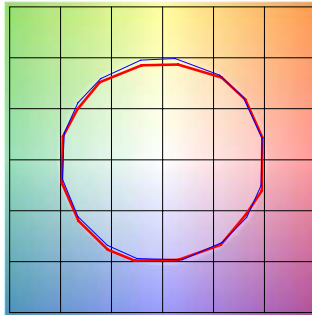


■ Test ■ Reference

		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

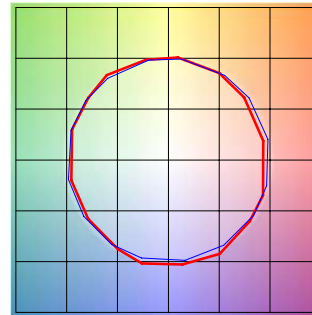


■ Test ■ Reference

		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

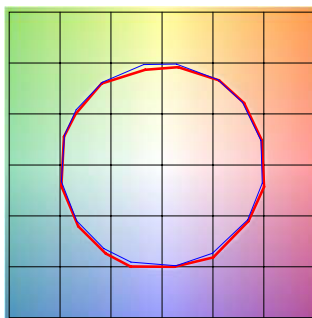


■ Test ■ Reference

		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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