



Series Spec Sheet

TL22

LED TRACK HEAD

Ideal for accent and display lighting applications, the TL22 series features die cast aluminum construction with integrated heat sink in a sleek design. These luminaires are perfect for those applications where simplicity and high performance are required.

FEATURES AND SPECIFICATIONS

• Construction

Housing

Die cast aluminum housing with integrated heat sink.

Finishes

Heavy duty scratch resistant powder coated. Available in textured white and blacks (silver color upon request).

Optics/Lens

Standard lens that allows for desired beam angles. Lens constructed with plastic material.

Beams

9 W: Spot 16°, Narrow Flood 20°, Flood 35°
13 W: Spot 20°, Narrow Flood 23°, Flood 36°

Aiming

- 360° horizontal coverage
- Greater than 90° vertical aiming capability

• Electrical

THD < 20%, PF > 0.9

LED

Long life LED that provide 80+ and 90+ CRI with a choice of 3 000 K, 3 500 K and 4 000 K color temperatures. Color consistency (SDCM) is 3 step MacAdam ellipse.

Lumens

9 W: 863 lm - 972 lm
13 W: 1 320 lm - 1 499 lm

Efficacy

9 W: 3 000 K, 863 lm - 93 lm/W
13 W: 3 000 K, 1 371 lm - 100 lm/W

Lumen Maintenance

9 W: Over 71% lumen maintenance expected at 36 000 hours at 30 K color temperature.
13 W: Over 71% lumen maintenance expected at 61 000 hours at 30 K color temperature.

Driver

9 W and 13 W, 120 V Line voltage LE + TE Dimmable.

Adapter

Track heads with "J" adapter are classified to be used with Stanpro STJ track series, Juno T or TU track series. On/off switch standard. Spring-loaded latch with polarity arrow properly secures track head to the track. Easily switch the track head to two-circuit by pulling up contact. See instruction sheet for details. Track heads with "H" adapter are classified to be used Cooper Lighting L641/2/3 track series.

• Compliances

- Photometric testing in compliance with IES LM79-80
- ICES 005
- ETL listed

5^{yrs}
warranty


LED
fixture


ICES
005



OVERVIEW

Light source	LED
Watts (W)*	9 - 13
Lumen output (lm/ft)	863 - 1 499
Efficiency (lm/W)	93 - 113
Color temperature (K)	3 000, 3 500, 4 000
CRI	80+ and 90+
Weight (lbs/ft)	1 - 1.2

ORDERING GUIDE

TL22					A		
Series	Lumen package (lm)	Color temp. (K)	CRI	Beam distribution	Volts (V)	Adaptor	Finish ²
TL22	09 - (863 - 972) 14 - (1 320 - 1 499)	30 - 3 000 35 - 3 500 40 - 4 000	80 - 80+ 90 - 90+	S - Spot N - Narrow flood F - Flood	A - 120	J - J & J2 track (standard) H - H & H2 Track ¹	BK - Black WH - White

¹Please contact factory for availability.

²For other options and availabilities please contact factory.

TECHNICAL SPECIFICATION TABLE

Lumen package	Watts (W)	Volts (V)	3 000 K		3 500 K		4 000 K		CRI	Life L70 (hrs)	Type of distrib.	Power factor	THD (%)
			Lumen (lm)	Efficiency (lm/W)	Lumen (lm)	Efficiency (lm/W)	Lumen (lm)	Efficiency (lm/W)					
09	9	120	863	93	888	97	944	102	80	50 000	Narrow Flood	>0.9	<20
14	13	120	1 371	100	1 411	105	1 499	113	80	50 000	Narrow Flood	>0.9	<20

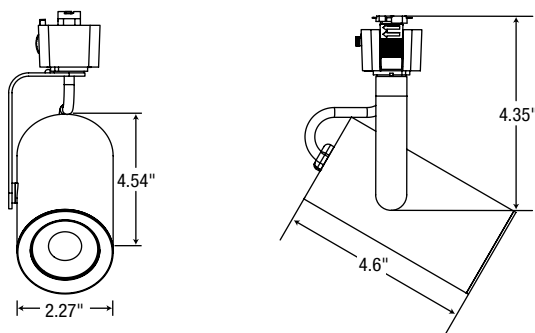
LIST OF COMPATIBLE DIMMERS

Leading edge dimmers			Trailing edge dimmers		
Lutron	SLV-600X S2-LX GL-600H	NFTU-5A DVLV-600P	Lutron	NTELV-600-XX SELV-303P MAELV-600-XX	DVELV-300P-XX SEIV-300P-XX
Leviton	6602-X 6681-X 6683-X 6684-X 700-X	705-X 6633 6674 IPI06-1LZ	Leviton	IPE04-1LZ VZE06-1LX	6615-POT
Philips			Philips	SR400RPC120	
Cooper	9530XXX				

The fixture dimmer compatibility table shown beside is for dimming functionality only. The dimmers listed in this chart may not comply to ICES 005 class A or B standards. To confirm ICES 005 compliance please contact the dimmer manufacturer.

NOTE: The above table shows dimmers that have been tested and have demonstrated proper operation under normal conditions. Each installation being unique, various factors such as load, common neutrals or other electrical products on the circuit can, in certain instances, cause variance in system performance. Read and comply to the dimmer installation instructions. Consult dimming system manufacturer for additional support in operation. Standard recommends to use dimmers designed to work with LED products. Older dimmers designed for incandescent products may cause erratic operation. Some dimmers may require more than one product for stable operation. The maximum number of products is determined by the dimmer wattage rating with LEDs. Be careful, these dimmers have different ratings depending on the product type. Again, refer to the dimmer installation instructions.

DIMENSIONS

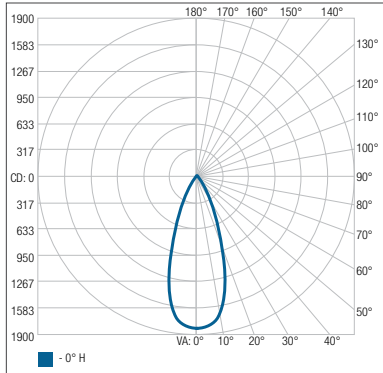


Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice.

PHOTOMETRIC DATA¹

TL22-09-3080F-AJ • 886.2 lm / 9 W

Polar candela distribution



Input wattage	9.24
Total luminaire lumens	886.2
Lumens per watt	94
Beam angle	Flood 35°

Zonal lumen summary

Zone	Lumens	% Fixture
0-30	740.0	83.5%
0-40	826.5	93.3%
0-60	873.5	98.6%
60-90	12.7	1.4%
70-100	4.5	0.5%
90-120	0	0%
0-90	886.2	100%
90-180	0	0%
0-180	886.2	100%

Illuminance at a distance

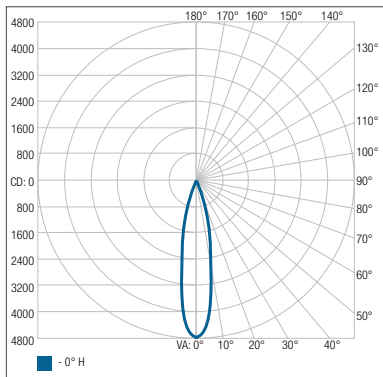
Center beam fc	Beam width
1.7'	635 fc
3.3'	169 fc
5.0'	73.4 fc
6.7'	40.9 fc
8.3'	26.6 fc
10.0'	18.4 fc

Beam width	Beam width
1.2'	1.2'
2.3'	2.3'
3.4'	3.5'
4.6'	4.6'
5.7'	5.7'
6.9'	6.9'

■ Vert. spread: 38.0°
■ Horiz. spread: 38.2°

TL22-09-3080N-AJ • 873.5 lm / 9 W

Polar candela distribution



Input wattage	9.23
Total luminaire lumens	873.5
Lumens per watt	93
Beam angle	Narrow Flood 20°

Zonal lumen summary

Zone	Lumens	% Fixture
0-30	788.4	90.3%
0-40	827.9	94.8%
0-60	859.9	98.4%
60-90	13.7	1.6%
70-100	4.8	0.5%
90-120	0	0%
0-90	873.5	100%
90-180	0	0%
0-180	873.5	100%

Illuminance at a distance

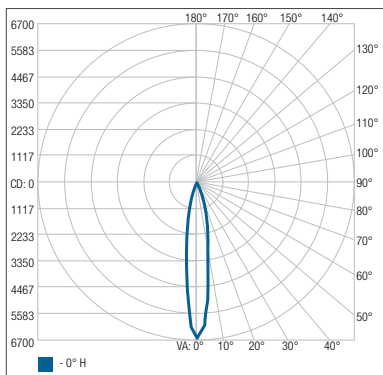
Center beam fc	Beam width
1.7'	1 648 fc
3.3'	437 fc
5.0'	190 fc
6.7'	106 fc
8.3'	69.1 fc
10.0'	47.6 fc

Beam width	Beam width
3.3'	3.3'
6.6'	6.6'
9.9'	9.9'
13.2'	13.2'
16.5'	16.5'
19.8'	19.8'

■ Beam spread: 20.7°

TL22-09-3080S-AJ • 901.6 lm / 9 W

Polar candela distribution



Input wattage	9.26
Total luminaire lumens	901.6
Lumens per watt	96
Beam angle	Spot 16°

Zonal lumen summary

Zone	Lumens	% Fixture
0-30	816.3	90.5%
0-40	865.9	96%
0-60	889.3	98.6%
60-90	12.3	1.4%
70-100	5.3	0.6%
90-120	0	0%
0-90	901.6	100%
90-180	0	0%
0-180	901.6	100%

Illuminance at a distance

Center beam fc	Beam width
1.7'	2 300 fc
3.3'	610 fc
5.0'	266 fc
6.7'	148 fc
8.3'	96.5 fc
10.0'	66.5 fc

Beam width	Beam width
0.5'	0.5'
0.9'	0.9'
1.4'	1.4'
1.9'	1.9'
2.3'	2.3'
2.8'	2.8'

■ Beam spread: 16.1°

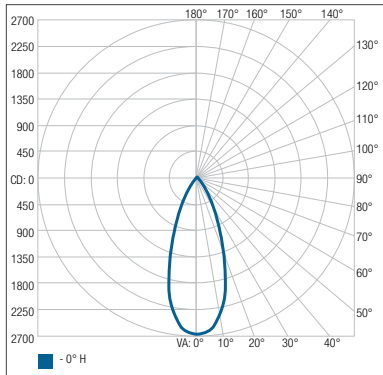
¹ Complete IES files available on our website.

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PHOTOMETRIC DATA (cont'd)

TL22-14-3080F-AJ • 1 349.9 lm / 13 W

Polar candela distribution



Input wattage	13.26
Total luminaire lumens	1 349.9
Lumens per watt	96
Beam angle	Flood 36°

Zonal lumen summary

Zone	Lumens	% Fixture
0-30	1 097.0	81.3%
0-40	1 244.4	92.2%
0-60	1 329.6	98.5%
60-90	20.3	1.5%
70-100	6.9	0.5%
90-120	0	0%
0-90	1 349.9	100%
90-180	0	0%
0-180	1 349.9	100%

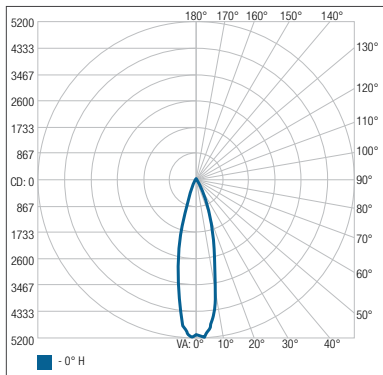
Illuminance at a distance

Center beam fc	Beam width
1.7'	928 fc
3.3'	246 fc
5.0'	107 fc
6.7'	59.7 fc
8.3'	38.9 fc
10.0'	26.8 fc

Beam spread: 38.7°

TL22-14-3080N-AJ • 1 416.0 lm / 13 W

Polar candela distribution



Input wattage	13.43
Total luminaire lumens	1 416
Lumens per watt	100
Beam angle	Narrow Flood 23°

Zonal lumen summary

Zone	Lumens	% Fixture
0-30	1 260.0	89%
0-40	1 349.0	95.3%
0-60	1 395.8	98.6%
60-90	20.2	1.4%
70-100	8.4	0.6%
90-120	0	0%
0-90	1 416.0	100%
90-180	0	0%
0-180	1 416.0	100%

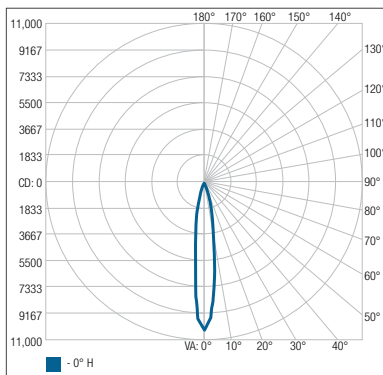
Illuminance at a distance

Center beam fc	Beam width
1.7'	1 768 fc
3.3'	469 fc
5.0'	204 fc
6.7'	114 fc
8.3'	74.2 fc
10.0'	51.1 fc

Vert. spread: 25.9°
Horiz. spread: 26.4°

TL22-14-3080S-AJ • 1 410.1 lm / 13 W

Polar candela distribution



Input wattage	13.3
Total luminaire lumens	1 410.1
Lumens per watt	100
Beam angle	Spot 20°

Zonal lumen summary

Zone	Lumens	% Fixture
0-30	1 276.5	90.5%
0-40	1 354.3	96%
0-60	1 391.1	98.7%
60-90	19	1.3%
70-100	8.1	0.6%
90-120	0	0%
0-90	1 410.1	100%
90-180	0	0%
0-180	1 410.1	100%

Illuminance at a distance

Center beam fc	Beam width
1.7'	3 597 fc
3.3'	954 fc
5.0'	416 fc
6.7'	232 fc
8.3'	151 fc
10.0'	104 fc

Beam spread: 16.0°

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