STANPRO

Project: _____ Type: _____

Drawn by: _____ Catalogue #: _____ Date: _____

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.

5 yrs warranty

LED *fixture*

ICES *005*

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

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

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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

[1] Please contact factory for availability.
[2] For 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

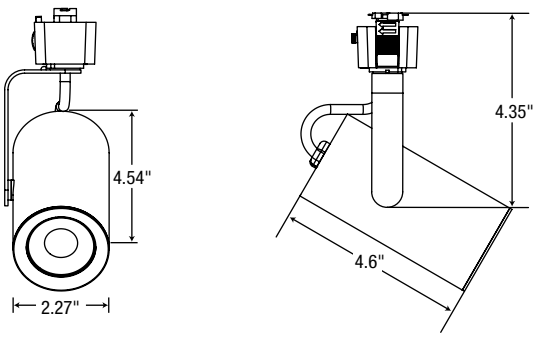
Leading edge dimmers		
Lutron	SLV-600X S2-LX GL-600H	NFTU-5A DVLV-600P
Leviton	6602-X 6681-X 6683-X 6684-X 700-X	705-X 6633 6674 IPI06-1LZ
Cooper	9530XXX	

Trailing edge dimmers		
Lutron	NTELV-600-XX SELV-303P MAELV-600-XX	DVELV-300P-XX SEIV-300P-XX
Leviton	IPE04-1LZ VZE06-1LX	6615-P0T
Philips	SR400RPC120	

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.
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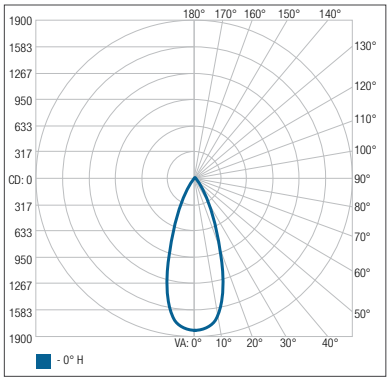
PHOTOMETRIC DATA[1]

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%

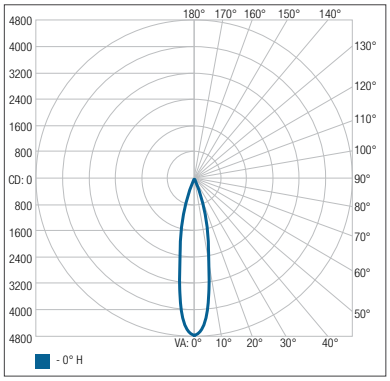
Illuminance at a distance

	Center beam fc	Beam width	
1.7'	635 fc	1.2'	1.2'
3.3'	169 fc	2.3'	2.3'
5.0'	73.4 fc	3.4'	3.5'
6.7'	40.9 fc	4.6'	4.6'
8.3'	26.6 fc	5.7'	5.7'
10.0'	18.4 fc	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%

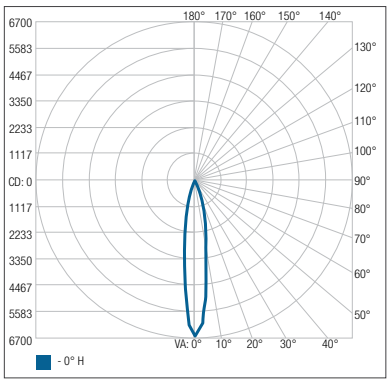
Illuminance at a distance

	Center beam fc	Beam width
1.7'	1 648 fc	3.3'
3.3'	437 fc	6.6'
5.0'	190 fc	9.9'
6.7'	106 fc	13.2'
8.3'	69.1 fc	16.5'
10.0'	47.6 fc	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	0.5'
3.3'	610 fc	0.9'
5.0'	266 fc	1.4'
6.7'	148 fc	1.9'
8.3'	96.5 fc	2.3'
10.0'	66.5 fc	2.8'

Beam spread: 16.1°

[1] Complete IES files available on our website.

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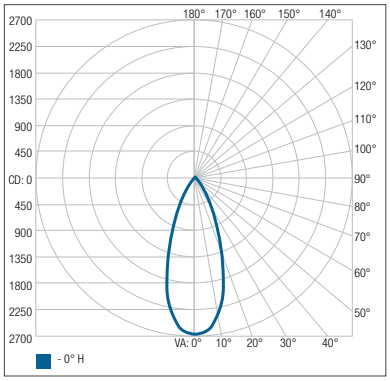
PHOTOMETRIC DATA (cont'd)

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%

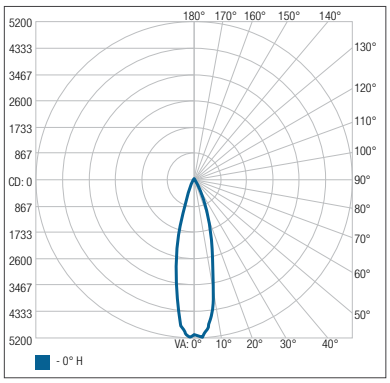
Illuminance at a distance

	Center beam fc	Beam width
1.7'	928 fc	1.2'
3.3'	246 fc	2.3'
5.0'	107 fc	3.5'
6.7'	59.7 fc	4.7'
8.3'	38.9 fc	5.8'
10.0'	26.8 fc	7.0'

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%

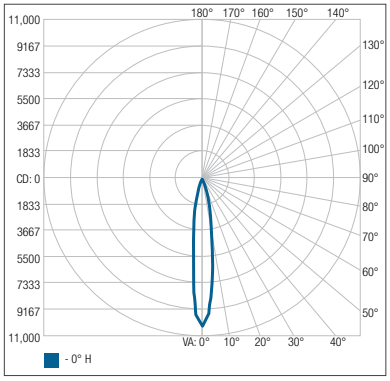
Illuminance at a distance

	Center beam fc	Beam width	
1.7'	1 768 fc	0.8'	0.8'
3.3'	469 fc	1.5'	1.5'
5.0'	204 fc	2.3'	2.3'
6.7'	114 fc	3.1'	3.1'
8.3'	74.2 fc	3.8'	3.9'
10.0'	51.1 fc	4.6'	4.7'

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

TL22-14-3080S-AJ • 1 410.1 lm / 13 W

Polar candela distribution



[1] Complete IES files available on our website.

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	0.5'
3.3'	954 fc	0.9'
5.0'	416 fc	1.4'
6.7'	232 fc	1.9'
8.3'	151 fc	2.3'
10.0'	104 fc	2.8'

Beam spread: 16.0°

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