



TL94 LED TRACK HEAD

Highly versatile adjustable side-mounted luminaire. Featuring die-cast housing with an integrated heat sink, our TL94 series is ideal for applications that demand outstanding performance at no compromise to energy efficiency.

FEATURES AND SPECIFICATIONS

• Construction

Housing

Heavy duty die cast aluminum housing and integrated heat sink.

Finishes

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

Optics/ Reflectors

Reflector made of plastic material.

Beams

20 W: Spot 20°, Narrow Flood 30°, Flood 38°.
30 W: Spot 21°, Narrow Flood 31°, Flood 38°.

Aiming

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

• Electrical

THD < 20%, PF > 0.9

LED

Long life LED that provide 80+ or 90+ CRI, with a choice of 3000K, 3500K and 4000K color temperatures. Color consistency (SDCM) is 3 step MacAdam ellipse.

Lumens

20 W: 1 961 lm - 2 267 lm
30 W: 2 655 lm - 2 825 lm

Efficacy

20 W: 3 000 K, 2 045 lm - 106 lm/W
30 W: 3 000 K, 2 689 lm - 98 lm/W

Lumen maintenance

20 W: Over 71% lumen maintenance expected at 60 500 hours at 30 K color temperature.
30 W: Over 71% lumen maintenance expected at 61 000 hours at 30 K color temperature.

Driver

20 W and 30 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 and Prescolite TS or TT 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 with Stanpro STH track series and Cooper Lighting L641/2/3 track series.

• Accessories

Feeds, connectors and line voltage extensions (12", 18", 24", 36") are available. Please refer to the "tracks and accessories" pages for ordering guide.

• 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)	20 - 30
Lumen output (lm)	1 961 - 2 825
Efficiency (lm/W)	95 - 116
Color temperature (K)	3 000, 3 500, 4 000
CRI	80+ and 90+
Weight (lbs)	2.2

ORDERING GUIDE

TL94					A		
Series	Lumen package (lm)	Color temp. (K)	CRI	Beam distribution	Volts (V)	Adaptor	Finish
TL94	20 - 1 961 to 2 267 30 - 2 655 to 2 825	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.

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)					
20	20	120	2 045	106	2 113	110	2 267	117	80	50 000	Narrow Flood	>0.9	<20
30	30	120	2 690	98	2 732	96	2 784	109	80	50 000	Narrow Flood	>0.9	<20

ACCESSORY (SOLD SEPERATELY)

Barn door
BD-9204-BK
BD-9204-WH

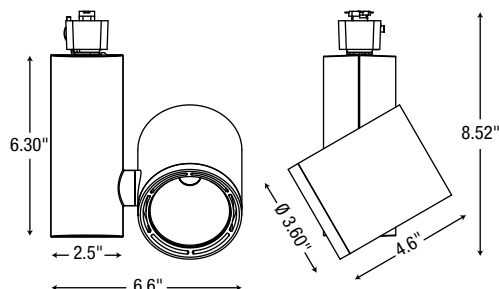
LIST OF COMPATIBLE DIMMERS

List of compatible dimmers			Trailing edge dimmers	
Leading edge dimmers			Lutron	DVELV-303P
Lutron	DV-600P	CTCL-153P		NTELV-600
	DVLV-600P	GL-600H		MAELV-600
	SELV-300P	S-600P		
	NFTU-5A	SR150LED		
Philips	SR150LED			

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

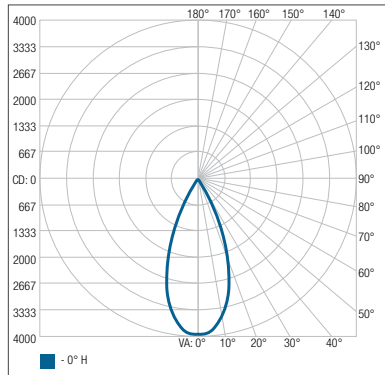


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PHOTOMETRIC DATA

TL94-20-3080F-AJ • 1 994.7 lm / 20 W

Polar candela distribution



Input watts	19.31
Total luminaire lumens	1 994.7
Lumens per watt	101
Beam angle	Flood 38°

Zonal lumen summary

Zone	Lumens	% Fixture
0-30	1 795.9	9%
0-40	1 942.1	97.4%
0-60	1 977.1	99.1%
60-90	17.7	0.9%
70-100	9.6	0.5%
90-120	0	0%
0-90	1 994.7	100%
90-180	0	0%
0-180	1 994.7	100%

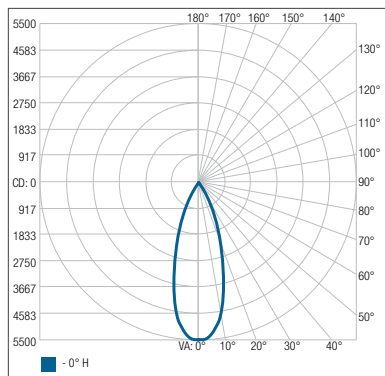
Illuminance at a distance

Center beam fc		Beam width	
1.7'	1 357 fc	1.3'	1.3'
3.3'	360 fc	2.6'	2.6'
5.0'	157 fc	3.9'	3.9'
6.7'	87.4 fc	5.2'	5.2'
8.3'	56.9 fc	6.5'	6.5'
10.0'	39.2 fc	7.8'	7.8'

■ Vert. spread: 42.5°
■ Horiz. spread: 42.7°

TL94-20-3080N-AJ • 2 080.9 lm / 20 W

Polar candela distribution



Input watts	19.61
Total luminaire lumens	2 080.9
Lumens per watt	106
Beam angle	Narrow Flood 30°

Zonal lumen summary

Zone	Lumens	% Fixture
0-30	1 928.0	92.7%
0-40	2 030.2	97.6%
0-60	2 062.3	99.1%
60-90	18.6	0.9%
70-100	10.3	0.5%
90-120	0	0%
0-90	2 080.9	100%
90-180	0	0%
0-180	2 080.9	100%

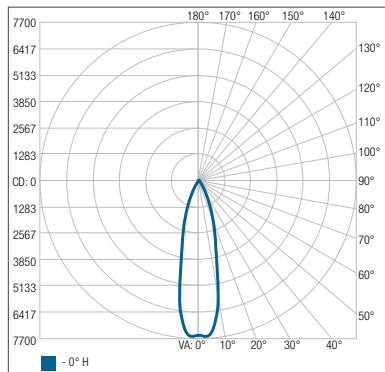
Illuminance at a distance

Center beam fc		Beam width	
1.7'	1 893 fc	1.0'	1.1'
3.3'	502 fc	2.0'	2.0'
5.0'	219 fc	3.1'	3.1'
6.7'	122 fc	4.1'	4.2'
8.3'	79.4 fc	5.1'	5.2'
10.0'	54.7 fc	6.1'	6.2'

■ Vert. spread: 34.2°
■ Horiz. spread: 34.5°

TL94-20-3080S-AJ • 2 050.3 lm / 20 W

Polar candela distribution



Input watts	19.33
Total luminaire lumens	2 050.3
Lumens per watt	104
Beam angle	Spot 20°

Zonal lumen summary

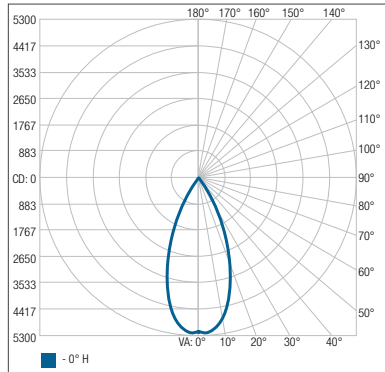
Zone	Lumens	% Fixture
0-30	1 916.2	93.5%
0-40	1 995.3	97.3%
0-60	2 031.9	99.1%
60-90	18.4	0.9%
70-100	10.2	0.5%
90-120	0	0%
0-90	2 050.3	100%
90-180	0	0%
0-180	2 050.3	100%

Illuminance at a distance

Center beam fc		Beam width	
1.7'	2 610 fc	0.8'	0.8'
3.3'	693 fc	1.5'	1.6'
5.0'	302 fc	2.3'	2.4'
6.7'	168 fc	3.1'	3.2'
8.3'	109 fc	3.8'	3.9'
10.0'	75.4 fc	4.6'	4.7'

■ Vert. spread: 26.0°
■ Horiz. spread: 26.5°

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PHOTOMETRIC DATA (cont'd)
TL94-30-3080F-AJ • 2 704.0 lm / 30 W
Polar candela distribution


Input wattage	27.52
Total luminaire lumens	2 704
Lumens per watt	97
Beam angle	Flood 38°

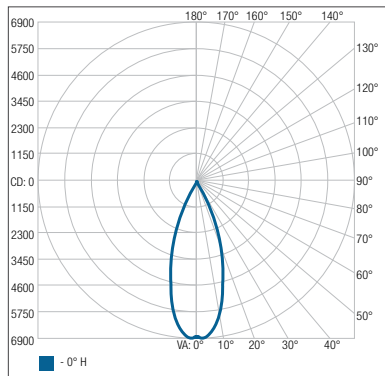
Zonal lumen summary

Zone	Lumens	% Fixture
0-30	2 420.1	89.5%
0-40	2 634.0	97.4%
0-60	2 679.9	99.1%
60-90	24.1	0.9%
70-100	12.7	0.5%
90-120	0	0%
0-90	2 704.0	100%
90-180	0	0%
0-180	2 704.0	100%

Illuminance at a distance

Center beam fc	Beam width
1.7'	1 783 fc
3.3'	473 fc
5.0'	206 fc
6.7'	115 fc
8.3'	74.8 fc
10.0'	51.5 fc

Vert. spread: 38.5°
Horiz. spread: 37.9°

TL94-30-3080N-AJ • 2 738.7 lm / 30 W
Polar candela distribution


Input wattage	27.61
Total luminaire lumens	2 738.7
Lumens per watt	98
Beam angle	Narrow Flood 31°

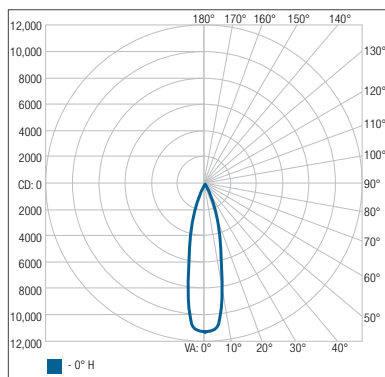
Zonal lumen summary

Zone	Lumens	% Fixture
0-30	2 527.2	92.3%
0-40	2 676.5	97.7%
0-60	2 716.0	99.2%
60-90	22.7	0.8%
70-100	12.7	0.5%
90-120	0	0%
0-90	2 738.7	100%
90-180	0	0%
0-180	2 738.7	100%

Illuminance at a distance

Center beam fc	Beam width
1.7'	2 347 fc
3.3'	623 fc
5.0'	271 fc
6.7'	151 fc
8.3'	98.5 fc
10.0'	67.8 fc

Vert. spread: 35.5°
Horiz. spread: 35.8°

TL94-30-3080S-AJ • 2 781.2lm / 30 W
Polar candela distribution


Input wattage	27.69
Total luminaire lumens	2 781.2
Lumens per watt	99
Beam angle	Spot 21°

Zonal lumen summary

Zone	Lumens	% Fixture
0-30	2 626.1	94.4%
0-40	2 721.1	97.8%
0-60	2 759.2	99.2%
60-90	22	0.8%
70-100	11.7	0.4%
90-120	0	0%
0-90	2 781.2	100%
90-180	0	0%
0-180	2 781.2	100%

Illuminance at a distance

Center beam fc	Beam width
1.7'	3 910 fc
3.3'	1 038 fc
5.0'	452 fc
6.7'	252 fc
8.3'	164 fc
10.0'	113 fc

Beam spread: 24.7°

¹ Complete IES files available on our website.

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