

AL94 LED TRACK HEAD

Highly versatile adjustable side-mounted luminaire. Featuring die-cast housing with an integrated heat sink, our AL94 series is ideal for applications that demand outstanding performance at no compromise to energy efficiency.



FEATURES & 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/Lens

- Reflector made of plastic material.

Beams

- 20W: Spot 20°, Narrow Flood 30°, Flood 38°
- 30W: 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 colour temperatures. Colour consistency (SDCM) is 3 step MacAdam ellipse.

Lumens

- 20W: 1961lm - 2267lm
- 30W: 2655lm - 2825lm

Efficacy

- 20W: 3000K, 2045lm - 106lm/W
- 30W: 3000K, 2689lm - 98lm/W

Lumens Maintenance

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

Driver

- 20W and 30W, 120V Line voltage LE + TE Dimmable.

Adapter

- Track heads with "J" adapter are classified to be used with AimLite ATJ 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 AimLite ATH 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.

COMPLIANCE

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

OVERVIEW			
LIGHT SOURCE	LED	EFFICIENCY (LM/W)	95LM/W - 116LM/W
WATTS (W)	20W - 30W	COLOR TEMPERATURE (K)	3 000K, 3 500K AND 4 000K
LUMEN OUTPUT (LM)	1 961LM - 2 825LM	WEIGHT	2.217 LBS - 2.231 LBS
  LED  ICES 005 			

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.

TM21 TABLE • AL94 - 1 961LM (20W)

TIME (T) AT WHICH TO ESTIMATE LUMEN MAINTENANCE (HOURS)	10 080
LUMEN MAINTENANCE AT TIME (T) [%]	71.17%
CALCULATED L70 (HOURS)	133 000
REPORTED L70 (HOURS)	>60 500

Note: Lumens are based on 30K colour temperature.

TM21 TABLE • AL94 - 2655LM (30W)

TIME (T) AT WHICH TO ESTIMATE LUMEN MAINTENANCE (HOURS)	11 088
LUMEN MAINTENANCE AT TIME (T) [%]	71.17%
CALCULATED L70 (HOURS)	182 000
REPORTED L70 (HOURS)	>61 000

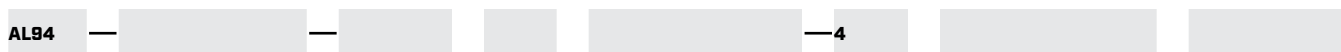
Note: Lumens are based on 30K colour temperature.

LUMEN CHART TABLE

LUMEN PACKAGE	WATTAGE	3000K		3500K		4000K	
		LUMEN OUTPUT (LM)	EFFICIENCY (LM/W)	LUMEN OUTPUT (LM)	EFFICIENCY (LM/W)	LUMEN OUTPUT (LM)	EFFICIENCY (LM/W)
20	20W	2 045	106	2 113	110	2 267	117
30	30W	2 689	98	2 732	96	2 784	109

Note: All lumen information is based on Narrow flood beam reflector and 80+ CRI.

ORDERING GUIDE

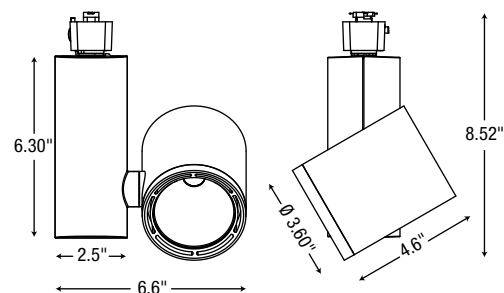


SERIES	LUMEN PACKAGE [LM]	COLOR TEMP. [K]	CRI	BEAM DISTRIBUTION		VOLTAGE	ADAPTOR	FINISH²
AL94	20 - 1 961 - 2 267 30 - 2 655 - 2 825	30 - 3000K 35 - 3500K 40 - 4000K	80 - 80+ 90 - 90+	S - SPOT N - NARROW FLOOD F - FLOOD		4 - 120V	J - J 6 J2 TRACK [STANDARD] H - H 6 H2 TRACK¹	BK - BLACK WH - WHITE

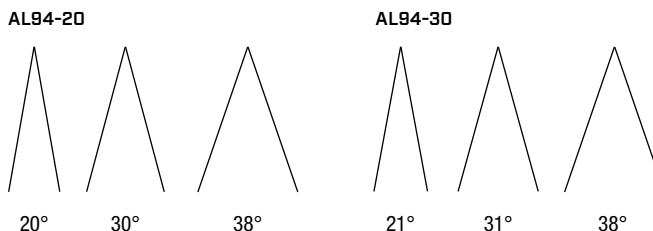
¹ Please contact factory for availability.

² For other options and availabilities please contact factory.

DIMENSIONS



BEAM DISTRIBUTION CHART



COMPATIBLE DIMMERS

LEADING EDGE DIMMERS		
LUTRON	DV-600P DVLV-600P SELV-300P NFTU-5A	CTCL-153P GL-600H S-600P SR150LED
PHILIPS	SR150LED	

TRAILING EDGE DIMMERS	
LUTRON	DVELV-303P NTELV-600 MAELV-600

The fixture dimmer compatibility table shown above is for dimming functionality only.

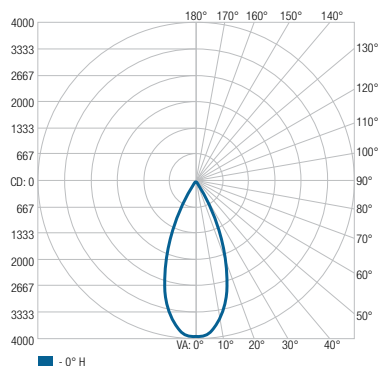
The dimmers listed in this chart may not comply to ICES 005 class A or B standards.

To confirm ICES Q05 compliance please contact the dimmer manufacturer.

PHOTOMETRIC DATA¹

AL94-20-3080F-4J • 1994.7LM / 20W

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	1795.9	9%
0-40	1942.1	97.4%
0-60	1977.1	99.1%
60-90	17.7	0.9%
70-100	9.6	0.5%
90-120	0	0%
0-90	1994.7	100%
90-180	0	0%
0-180	1994.7	100%

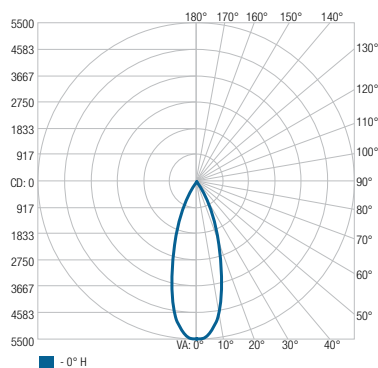
ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
1.7'	1357	1.3'	1.3'
3.3'	360	2.6'	2.6'
5.0'	157	3.9'	3.9'
6.7'	87.4	5.2'	5.2'
8.3'	56.9	6.5'	6.5'
10.0'	39.2	7.8'	7.8'

■ Vert. Spread: 42.5° ■ Hor. Spread: 42.7°

AL94-20-3080N-4J • 2080.9LM / 20W

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	1928.0	92.7%
0-40	2030.2	97.6%
0-60	2062.3	99.1%
60-90	18.6	0.9%
70-100	10.3	0.5%
90-120	0	0%
0-90	2080.9	100%
90-180	0	0%
0-180	2080.9	100%

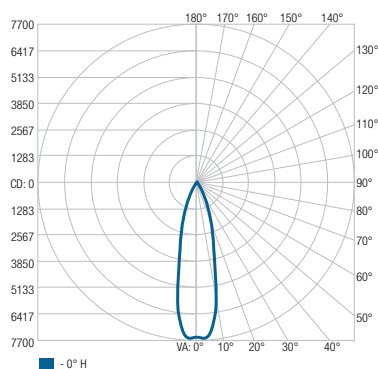
ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
1.7'	1893	1.0'	1.1'
3.3'	502	2.0'	2.0'
5.0'	219	3.1'	3.1'
6.7'	122	4.1'	4.2'
8.3'	79.4	5.1'	5.2'
10.0'	54.7	6.1'	6.2'

■ Vert. Spread: 34.2° ■ Hor. Spread: 34.5°

AL94-20-3080S-4J • 2050.3LM / 20W

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	1916.2	93.5%
0-40	1995.3	97.3%
0-60	2031.9	99.1%
60-90	18.4	0.9%
70-100	10.2	0.5%
90-120	0	0%
0-90	2050.3	100%
90-180	0	0%
0-180	2050.3	100%

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
1.7'	2610	0.8'	0.8'
3.3'	693	1.5'	1.6'
5.0'	302	2.3'	2.4'
6.7'	168	3.1'	3.2'
8.3'	109	3.8'	3.9'
10.0'	75.4	4.6'	4.7'

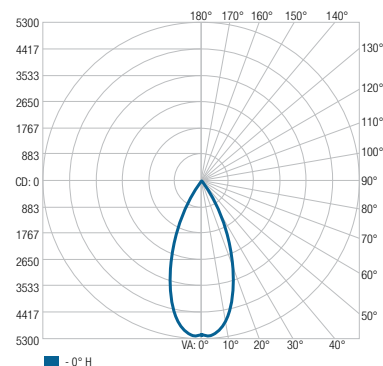
■ Vert. Spread: 26.0° ■ Hor. Spread: 26.5°

¹ Complete IES files available on our website.

PHOTOMETRIC DATA¹

AL94-30-3080F-4J • 2704.0LM / 30W

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

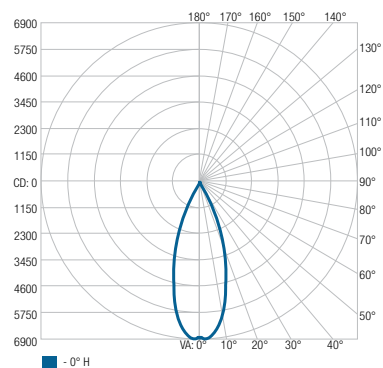
ZONE	LUMENS	% FIXTURE
0-30	2 420.1	89.5%
0-40	2 634.0	97.4%
0-60	2 679.9	99.1%
60-90	24.1	0.9%
70-100	12.7	0.5%
90-120	0	0%
0-90	2 704.0	100%
90-180	0	0%
0-180	2 704.0	100%

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC			BEAM WIDTH	
1.7'	1783		1.3'	1.3'
3.3'	473		2.6'	2.6'
5.0'	206		3.9'	4.0'
6.7'	115		5.3'	5.3'
8.3'	74.8		6.5'	6.6'
10.0'	51.5		7.9'	7.9'
Vert. Spread: 38.5° Hor. Spread: 37.9°				

AL94-30-3080N-4J • 2738.7LM / 30W

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

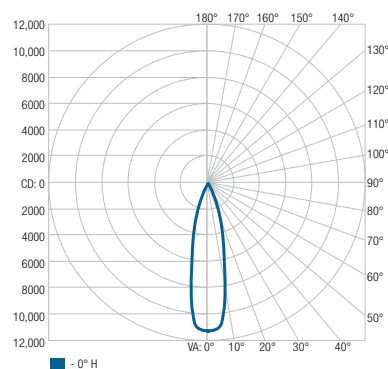
ZONE	LUMENS	% FIXTURE
0-30	2 527.2	92.3%
0-40	2 676.5	97.7%
0-60	2 716.0	99.2%
60-90	22.7	0.8%
70-100	12.7	0.5%
90-120	0	0%
0-90	2 738.7	100%
90-180	0	0%
0-180	2 738.7	100%

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC			BEAM WIDTH	
1.7'	2 347		1.1'	1.1'
3.3'	623		2.1'	2.1'
5.0'	271		3.2'	3.2'
6.7'	151		4.3'	4.3'
8.3'	98.5		5.3'	5.4'
10.0'	67.8		6.4'	6.5'
Vert. Spread: 35.5° Hor. Spread: 35.8°				

AL94-30-3080S-4J • 2781.2LM / 30W

POLAR CANDELA DISTRIBUTION



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'	3910		0.7'
3.3'	1038		1.4'
5.0'	452		2.2'
6.7'	252		2.9'
8.3'	164		3.6'
10.0'	113		4.4'
 Beam Spread: 24.7°			

¹ Complete IES files available on our website.