

# AL96 LED TRACK HEAD



Clean lines and aesthetic design fit easily into all applications and become part of the design concept. AL96 series offers excellent beam control while providing high performance accent lighting for retail and commercial applications.

## 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

- Narrow Flood 22°, Flood 44°, Wide Flood 58°

#### 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.

#### Lumens

- 3800lm - 4042lm

#### Lumens Maintenance

- Over 95% lumen maintenance expected at 33,000 hours at 30K colour temperature.

#### Efficacy

- 41W: 3000K, 92.3 lm/W

#### Driver

- 41W, 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)	92.7LM/W - 98.6LM/W
WATTS (W)	41W	COLOR TEMPERATURE (K)	3 000K, 3 500K AND 4 000K
LUMEN OUTPUT (LM)	3 800LM - 4 042LM	WEIGHT	3.652 LBS
<div>     </div>			

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 • AL96

TIME (T) AT WHICH TO ESTIMATE LUMEN MAINTENANCE (HOURS)	50 000
LUMEN MAINTENANCE AT TIME (T) (%)	95.01%
CALCULATED L70 (HOURS)	451 000
REPORTED L70 (HOURS)	>33 000

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)
40	41W	3 756	92.3	3 808	93.9	3 872	94.6

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

## ORDERING GUIDE

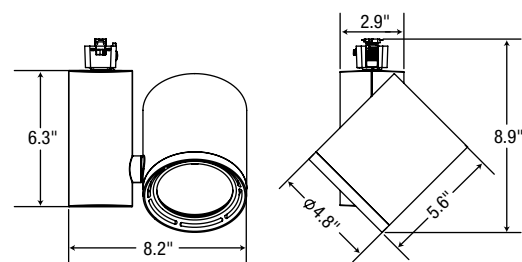
AL96					4		
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SERIES	LUMEN PACKAGE (LM)	COLOR TEMP. (K)	CRI	BEAM DISTRIBUTION	VOLTAGE	ADAPTOR	FINISH <sup>2</sup>
AL96	40 - 3 800 - 4 042	30 - 3000K 35 - 3500K 40 - 4000K	80 - 80+ 90 - 90+	N - NARROW FLOOD F - FLOOD W - WIDE FLOOD	4 - 120V	J - J & J2 TRACK (STANDARD) H - H & H2 TRACK <sup>1</sup>	BK - BLACK WH - WHITE

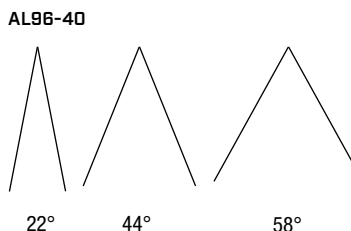
<sup>1</sup>Please contact factory for availability.

<sup>2</sup> For other options and availabilities please contact factory.

## DIMENSIONS



## BEAM DISTRIBUTION CHART



## COMPATIBLE DIMMERS

BRAND	MODEL NUMBER	
LUTRON	S-603PG	S-600P
	DVELV-303P	SELV-300P
	CT-130P	TG-600P
	DVCL-153P	LG-600P
	DV-600P	MAELV-600
	TGCL-153P	FAELV-500
LEVITON	IPI06-1LZ	6161
	6631-2	6633-P
	VPE06	IPE04
	6683-1W	

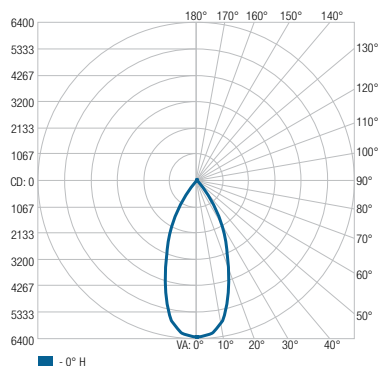
BRAND	MODEL NUMBER	
LIGHTOLIER	ZP260QEW	
COOPER	DAL06P	
	DLC03P	
	SLC03P	

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.

## PHOTOMETRIC DATA<sup>1</sup>

AL96-40-3080F-4J • 3905.3LM / 41W


### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

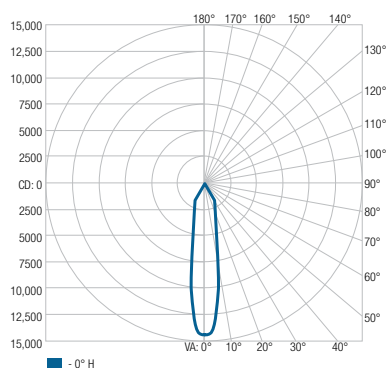
ZONE	LUMENS	% FIXTURE
0-30	3 150.8	80.7%
0-40	3 763.7	96.4%
0-60	3 866.6	99%
60-90	38.6	1%
70-100	17.2	0.4%
90-120	0	0%
0-90	3 905.3	100%
90-180	0	0%
0-180	3 905.3	100%

### ILLUMINANCE AT A DISTANCE

CENTER BEAM FC			BEAM WIDTH
1.7'	2197		1.4'
3.3'	583		2.7'
5.0'	254		4.1'
6.7'	141		5.5'
8.3'	92.1		6.8'
10.0'	63.5		8.2'
■ Beam Spread: 44.8°			

AL96-40-3080N-4J • 3755.8LM / 41W

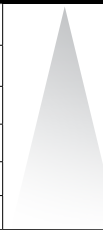
### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

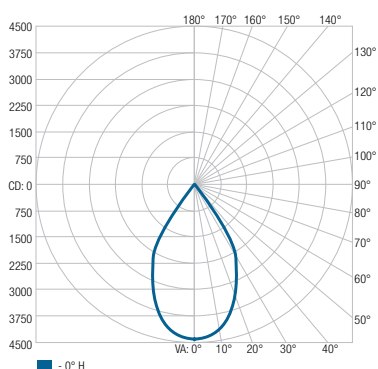
ZONE	LUMENS	% FIXTURE
0-30	3 147.2	83.8%
0-40	3 649.2	97.2%
0-60	3 716.0	98.9%
60-90	39.9	1.1%
70-100	15.7	0.4%
90-120	0	0%
0-90	3 755.8	100%
90-180	0	0%
0-180	3 755.8	100%

### ILLUMINANCE AT A DISTANCE

CENTER BEAM FC			BEAM WIDTH
1.7'	4 987		0.6'
3.3'	1 324		1.2'
5.0'	577		1.8'
6.7'	321		2.4'
8.3'	209		3.0'
10.0'	144		3.6'
■ Beam Spread: 20.2°			

AL96-40-3080W-4J • 3800.4LM / 41W


### POLAR CANDELA DISTRIBUTION



### 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'	1 525		2.0'
3.3'	405		3.9'
5.0'	176		5.9'
6.7'	98.2		7.9'
8.3'	64.0		9.8'
10.0'	44.1		11.8'
■ Beam Spread: 61.3°			

<sup>1</sup> Complete IES files available on our website.