



NuSTAR

TRACK LIGHTING

Track fixture



The NuSTAR series features a semi exposed heatsink and an integrated driver enclosure. This track fixture comes in two lumen packages and corresponding geometry. The semi-exposed heatsink enables a product performance that is attractive for energy savings. This product also comes standard at 90 CRI. Aeralux also caters for lighting experts with a high-GAI (Gamut Area Index) option for an enhanced visual effect on products.

Project: _____

Qty: _____

Notes: _____

OPERATING & ELECTRICAL

Input Voltage 120Vac
Power factor 0.9
Dimming Triac dimming
Total harmonic distortion (THD) <20%

Finish White, black, silver
Power Supply Factory wired electronic LED
LED Board COB

PERFORMANCE

Lumens per Watt 86-100 LPW at 90CRI
Power consumption 13W
Distribution Narrow flood, flood, wide flood

APPLICATION CONDITION
Ambient temperature range -10 to 35°C

MECHANICAL & HOUSING

Housing Aluminum die cast
Lens Highly durable polycarbonate lens ensures high efficiency light output for a clean, evenly illuminated surface with minimal glare.

COMPATIBLE MOUNTING
Mounting Juno, Global, Halo, Lightolier

WARRANTY
System warranty 5 years
Lumen maintenance Rated for 85% initial lumen output at 50,000 hours of operation, operated at 25°C ambient temperature; per guidelines published by the Illuminating Engineering Society (IES). (L85 at 50,000 hours)

ORDERING GUIDE

EXAMPLE: AE-TL-NS1412NFP30J1BK

AE-TL-NS	14	12	NF	P	30	J1	BK
FIXTURE FAMILY	LUMEN	VOLTAGE	DISTRIBUTION	CRI	CCT	ADAPTER	FINISH
AE-TL-NS Aeralux NuSTAR Series track light	14 15 watts: 1260 lumens at 90CRI 3000K	12 120Vac	NF Narrow Flood light distribution	P Premium 90 CRI	30 3000K CCT	J1 Juno mounting system	BK Black powder coat finish
			FL Flood light distribution		35 3500K CCT	G1 Global mounting system	WH White powder coat finish
	31 30 watts: 2580 lumens at 90CRI 3000K		WF Wide Flood light distribution	S* Superior HIGH GAI	40 4000K CCT	H1 Halo mounting system	SV Silver powder coat finish
	VF Very wide flood distribution		L1 Lightolier mounting system				

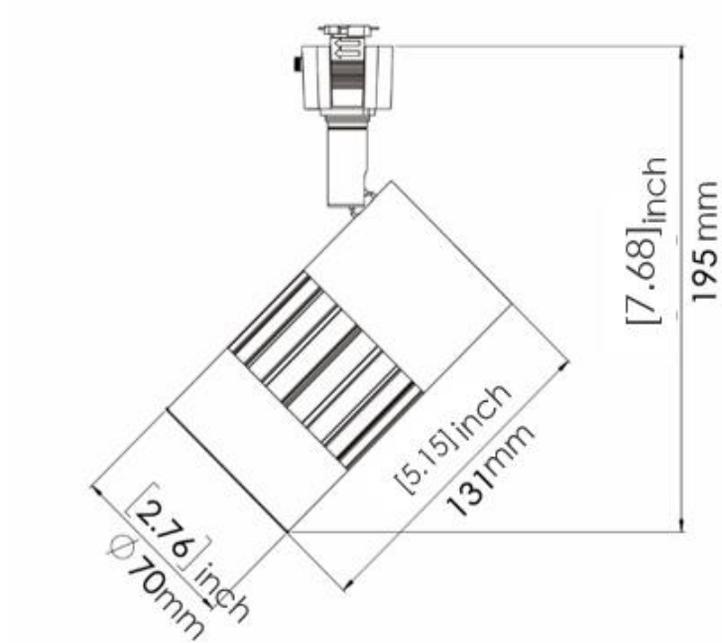
* Available only at 3000K & 3500K



PRODUCT DIMENSIONS

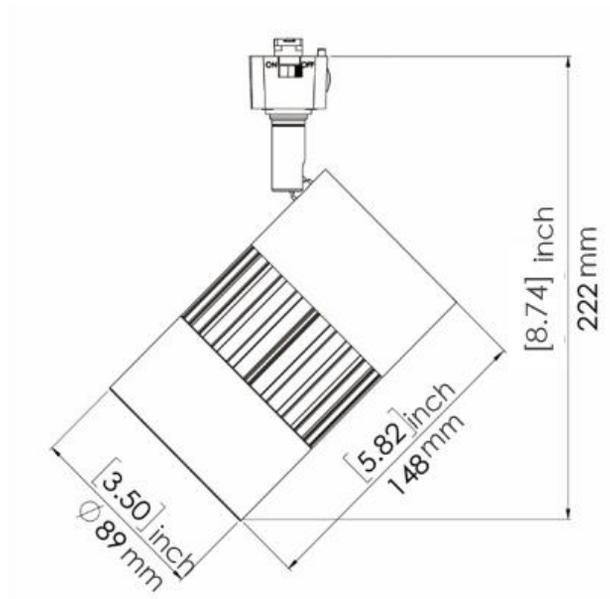
AE-TL-NS14

Weight: 0.623Kg



AE-TL-NS31

Weight: 1.084Kg



DIMMER COMPATIBILITY LIST

AE-TL-NS14

Manufacturer	Manufacturer Part Number
Lutron	S-603PG
	DVCL-153PR
	AY-600P-AL
	S-600P-AL
	DV-600P-WH
	N-600
	SLV-600-WH
	GLV-600-WH
Leviton	IPI06
	6631-LW
	6613-PL
Cooper	9573WS
	D106P-A-K
Legrand	ADPD453L-W2

AE-TL-NS31

Manufacturer	Manufacturer Part Number
Lutron	DVF-103P
	SELV-300P
	TT-150NLH-JA
	CTCL-153PDH-WH
	TG600PRWH
	S600PR-WH
Leviton	IPI06-10
	IPI10
	6633-P
	6631
	VPI06
Panasonic	NQ20345
	WT57615WK
	WN575259

LUMEN ESTIMATE

Lumen output varies based on CCT and CRI. An estimate of lumen output of the various CCT/CRI combinations, use correction factors as per table below:

Lumen estimate adjustment factors				
CCT	2700K	3000K	3500K	4000K
PREMIUM (90CRI)	0.78	0.81	0.84	0.86
SUPERIOR (HIGH GAI)	N/A	0.73	0.78	N/A

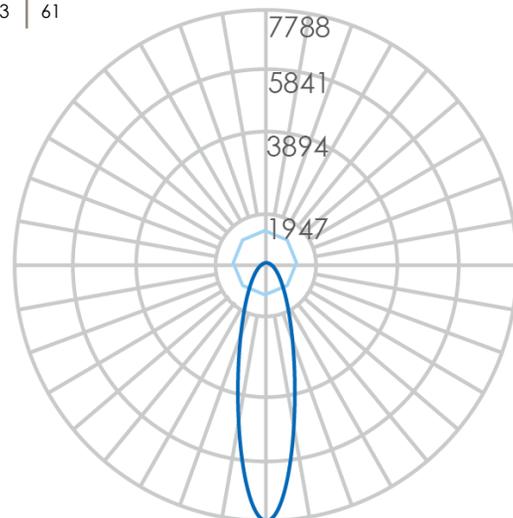
PHOTOMETRIC DATA

AE-TL-NS3112

Coefficients of utilization												
Ceiling	80%				70%		50%		30%		0%	
Wall	70%	50%	30%	10%	50%	10%	50%	10%	50%	10%	0	
RCR	Zonal Cavity Method – Effective floor reflectance = 20%											
Room Cavity Ratio	0	119	119	119	119	116	116	111	111	106	106	99
	1	114	111	109	107	109	105	105	102	101	99	94
	2	109	105	101	98	103	97	100	95	97	93	89
	3	104	99	94	91	97	90	95	89	92	87	84
	4	100	94	89	85	92	84	90	83	88	82	80
	5	96	89	84	80	88	80	86	79	84	78	76
	6	92	85	79	76	84	75	82	75	81	74	73
	7	89	81	76	72	80	72	79	71	78	71	69
	8	85	77	72	69	77	69	76	68	75	68	66
	9	82	74	69	66	74	66	73	65	72	65	64
	10	80	71	66	63	71	63	70	63	69	63	61

Luminance data			
Angle	0°	45°	90°
45°	0	20901	15400
55°	0	5451	4455
65°	0	1668	1374
75°	0	378	258
85°	0	206	201

Zonal lumen			
Zone	Lumens	Zone	Lumens
0-10	588.79	90-100	2.3
10-20	936.09	100-110	2.35
20-30	553.09	110-120	2.55
30-40	239.77	120-130	2.3
40-50	126.56	130-140	2.23
50-60	53.57	140-150	2.07
60-70	17.41	150-160	1.96
70-80	4.15	160-170	1.53
80-90	2.49	170-180	0.55





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Track fixture

PHOTOGRAPHS

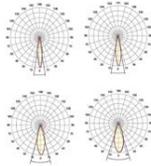
MULTIPLE MOUNTING ADAPTERS

Choose from any of the popular track systems such as Juno, Halo, Lightolier, or Global.



MULTIPLE OPTIONS

Customize your track head by selecting from a variety of, CCT, CRI, and beam angle options.



PAINT FINISH

Factory standard in black, white, and silver. Contact for custom paint finishes to enhance your fixture to suit your project space.

PREMIUM DESIGN

Aluminum die-cast materials selected for efficient thermal heat dissipation, enhanced structural rigidity maximizing LED life and driver function.



VALUE-ENGINEERED DESIGN

Integrated components and sleek thermal heat sink allow for slim stem design providing a minimalist look.



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