



CHANDRA

TRACK LIGHTING

Track fixture



The CHANDRA series track lighting fixture is specifically designed for the retail environment. It distinguishes itself with its sleek look, variety of optical options, and a series of accessories to adapt to every possible scenario. The installation of accessories on this product is simply a breeze. This enables fast deployment of fixtures around stores for reconfigurations of products. 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

driver

LED Board

COB

APPLICATION CONDITION

Ambient temperature range

-10 to 35°C

COMPATIBLE MOUNTING

Mounting

Juno, Global, Halo, Lightolier

PERFORMANCE

Lumens per Watt 81-89 LPW at 90CRI

Power consumption 20W

Distribution Narrow flood, flood, wide flood

WARRANTY

System warranty

5 years

Lumen maintenance

Rated for 85% initial lumen

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.

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-CD12NFP30J1BK

AE-TL-CD	12	NF	P	30	J1	BK
FIXTURE FAMILY	VOLTAGE	DISTRIBUTION	CRI	CCT	ADAPTER	FINISH
AE-TL-CD Aeralux Chandra Series track light	12 120Vac	NF Narrow Flood light distribution 20 watts: 1720 lumens at 90CRI 3000K	P Premium 90 CRI	30 3000K CCT	J1 Juno mounting system	BK Black powder coat finish
		FL Flood light distribution 20 watts: 1720 lumens at 90CRI 3000K			G1 Global mounting system	
		WF Wide Flood light distribution 20 watts: 1720 lumens at 90CRI 3000K	S* Superior HIGH GAI	40 4000K CCT	H1 Halo mounting system	SV Silver powder coat finish
					L1 Lightolier mounting system	

* Available only at 3000K & 3500K

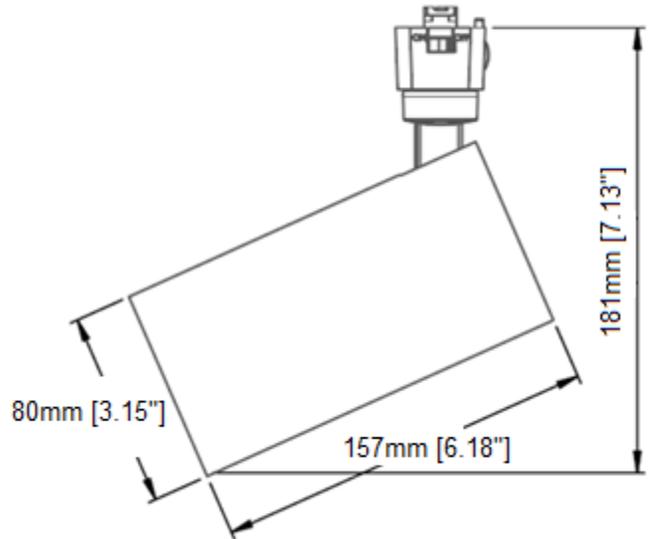
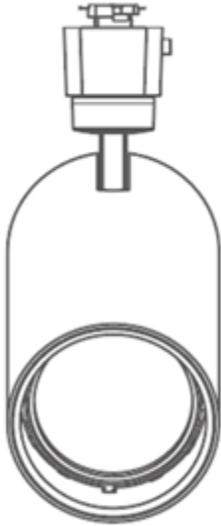


PRODUCT DIMENSIONS

AE-TL-CD12XXXXXXXXXX

Weight:

0.940Kg



DIMMER COMPATIBILITY LIST

120V ac Dimmers

Manufacturer	Manufacturer Part Number
 <p>Lutron</p>	DV-600P
	DVELV-303P
	NTELV-600
	MAELV-600
	DVLV-600P
	SELV-300P
	NFTU-5A
	CTCT-153P
	GL-600H
	S-600P
	PHPM

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	3000K	3500K	4000K
PREMIUM (90CRI)	1	1.03	1.06
SUPERIOR (HIGH GAI)	0.90	0.96	N/A

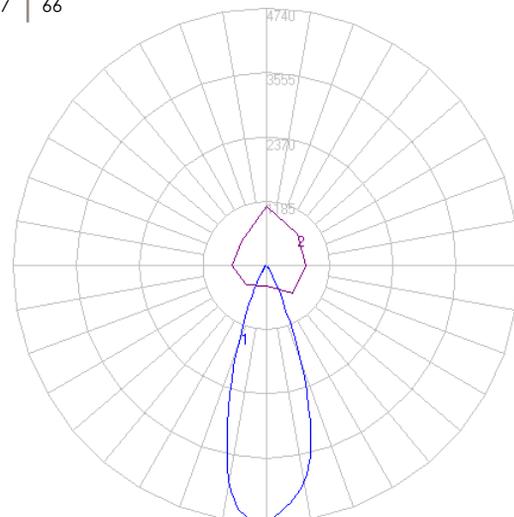
PHOTOMETRIC DATA

AE-TL-CD12WF20P30XXXX

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	110	110	105	105	98
	1	114	112	109	108	109	106	105	102	101	99	94
	2	110	106	102	99	104	98	100	96	97	94	90
	3	106	100	96	93	99	92	96	91	94	89	86
	4	102	96	91	88	94	87	92	86	90	85	82
	5	98	91	87	83	90	83	89	82	87	81	79
	6	95	88	83	79	87	79	85	78	84	78	76
	7	91	84	79	76	83	76	82	75	81	75	73
	8	88	81	76	73	80	73	79	72	78	72	71
	9	85	78	73	70	77	70	76	70	76	69	68
	10	83	75	71	68	75	68	74	67	73	67	66

Luminance data			
Angle	0°	45°	90°
45°	3278	2568	3404
55°	1183	801	1121
65°	428	234	280
75°	301	157	189
85°	284	184	227

Zonal lumen			
Zone	Lumens	Zone	Lumens
0-10	416.81	90-100	4.13
10-20	797.46	100-110	4.12
20-30	347.68	110-120	3.89
30-40	85.44	120-130	3.6
40-50	34.32	130-140	3.78
50-60	13.45	140-150	2.94
60-70	5.08	150-160	2.44
70-80	4.1	160-170	1.63
80-90	4.16	170-180	0.63





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PHOTOGRAPHS

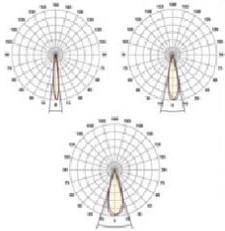
MULTIPLE MOUNTING ADAPTERS

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 beam angle, CCT, and CRI options allowing you to have a unique fixture that suits your project



PAINT FINISH

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

EFFICIENT DESIGN

Integrated components allow for small stem and clean aesthetic appearance.



PREMIUM DESIGN

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



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