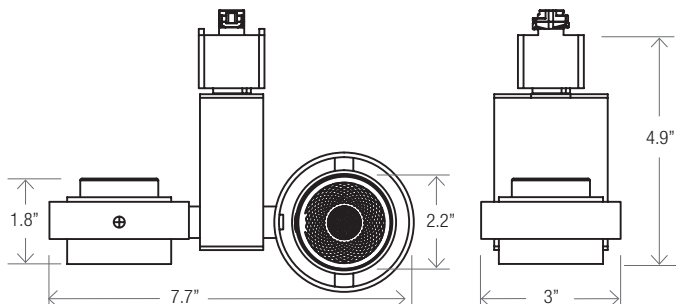
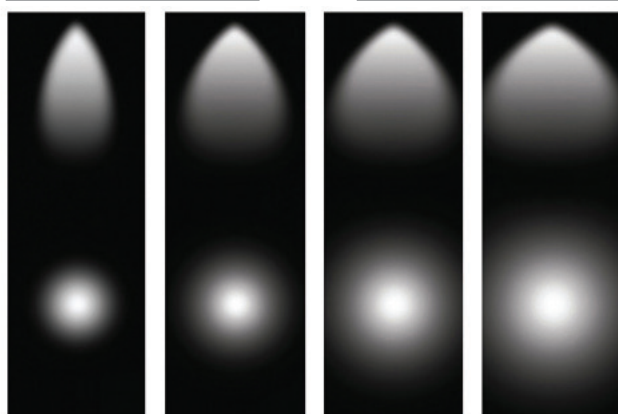




FEATURES

A small profile LED track light that delivers optimal lumen output, with precise aiming for accent, task, or general illumination, integrating into any design. Track heads are adjustable up to 360 degrees horizontally, 180 degrees vertically, and are compatible with 1-circuit and 2-circuit track. With the use of a friction-based locking movement system, the head can be adjusted and re-adjusted to a precise position, delivering light where needed. Available in an array of color temperatures, it can accentuate the full spectrum of cool to warm tones, and is the perfect complement for retail merchandising, galleries, museums, supermarkets, hospitality, and commercial.

OPTICS



SP	NFL	FL	WFL
Spot	Narrow Flood	Flood	Wide Flood
15°	24°, 25°	36°, 38°	60°

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
1200	1259	20 W

Based on 3000K, 90+ CRI. Actual wattage may vary +/- 5%

LUMENS	1200
CCT	30K
CRI	90+
COLOR QUALITY	2 Step MacAdam Ellipse
DISTRIBUTION	SP (Spot), NFL (Narrow Flood), FL (Flood), WFL (Wide Flood)
AIMING	360 degrees horizontally, 180 degrees vertically
FINISH	AWH (Architectural White) ABK (Architectural Black) Custom RAL
DIMMING	Flicker Free 10% Dimming TRIAC forward-phase or leading-edge 120V.
LIFETIME	L70 at 50,000 Hours
PHOTOMETRIC TESTS	In Accordance with IES LM79-08, LM80 and TM-30, TM-21



OPTICS

A polycarbonate optical refractor allows for precise beam control and even distribution, with a variety of lumen options.

CONSTRUCTION

All track heads are designed using a proprietary coolLED Advanced Thermodynamic Design. The track head body is constructed of extruded aluminum, with a die-cast custom designed concealed heat sink, providing a thermal management system that is engineered for extremely long life and service period.

FINISH

Post-painted available in white, black and custom RAL colors.

ACCESSORIES

Track heads may accommodate 1 to 3 accessories. Please consult factory for standard or custom options.

TRACK COMPATIBILITY

Track heads are standard, with the compatibility for use with Mono-point, 1-Circuit, and 2-Circuit type H track. Please consult factory for 2-Circuit, 2-Neutral 120V Track, 2-Circuit, 2-Neutral 277V Track, 3-Circuit 1-Neutral, and Dali System Track.

DIMMING AND DRIVER INFORMATION

DIMTR – Electronic constant current LED driver compatible with TRIAC forward-phase or leading-edge dimming. Available in 120V. Dimmable down to 1%, standard. The LED driver is rated for 50 to 60Hz at 120V input, produces less than 20%THD, and has a power factor between 90% and 100%, and is thermally protected for additional safety.

WARRANTY

Five-year warranty for parts and components. (Labor not included)

Example: **ET-LED-313-1200L-DIMTR-120-FL-30K-90-AWH**

SERIES	LUMENS	DIMMING	OPTICS	CCT/CRI	COLOR
ET-LED-313	 1200L - 1200 lumens	 DIMTR-120	 SP - Spot 15°  NFL - Narrow Flood 24°-25°  FL - Flood 36°-38°  WFL - Wide Flood 60°	 30K-90	 AWH - Architectural White  ABK - Architectural Black

ET-LED-313-1200L-DIMTR-120-FL-30K-90-AWH

INPUT WATTS: **20**

LUMENS: **1259**

CRI: **90**

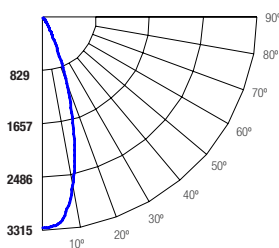
EFFICACY: **63**

CCT: **3000K**

TEST NO.: **EL1018100**

SPACING CRITERIA: **0.56**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	803.33	63.80	63.80
2-30	1099.63	87.30	87.30
0-40	1188.97	94.40	94.40
0-60	1246.73	99.00	99.00
0-80	1257.79	99.90	99.90
0-90	1259.00	100.00	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	2367	2727	4208
55	1262	1327	1469
65	551	716	937
75	299	413	544
85	141	720	885

Lumens Per Zone

Zone	Lumens
0-10	281.92
10-20	521.41
20-30	296.30
30-40	89.34
40-50	40.41
50-60	17.34
60-70	8.19
70-80	2.87
80-90	1.22

Candela Tabulation

θ	
0	3314.22
5	3240.62
15	1987.31
25	568.86
35	118.28
45	42.12
55	18.22
65	5.86
75	1.95
85	0.31
90	0.04

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

	RC				80%				70%				50%				30%				10%				0%			
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	0%	0%	0%
ROOM CAVITY RATIO	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	106	106	106	102	102	102	102	102	102	100	95	95	95
	1	114	112	110	108	112	110	108	106	101	98	96	101	98	96	98	96	94	95	93	92	92	92	92	90	86	86	86
	2	110	105	102	99	108	104	101	98	95	91	88	96	93	90	94	91	89	91	89	87	87	87	85	83	82	82	82
	3	105	100	96	92	103	98	95	91	89	86	83	92	88	85	90	87	84	88	85	83	83	83	81	79	78	78	78
	4	101	95	90	87	99	94	89	86	88	85	81	88	84	81	86	83	80	85	82	79	78	78	76	75	73	72	72
	5	97	90	85	82	96	89	85	81	84	80	77	83	79	76	83	79	76	81	78	76	75	73	72	70	69	69	69
	6	94	86	81	78	92	85	81	77	81	76	73	80	76	73	80	76	73	79	75	73	72	70	69	67	66	66	66
	7	90	82	77	74	89	82	77	74	78	73	70	77	73	70	77	73	70	76	72	70	69	67	66	65	64	64	64
	8	87	79	74	71	86	79	74	71	75	70	67	74	70	67	74	70	67	73	70	69	67	66	65	64	63	63	63
	9	84	76	71	68	83	76	71	68	72	67	64	71	67	64	71	67	64	70	67	66	65	64	63	62	62	62	62
	10	81	73	68	65	80	73	68	65	70	65	62	69	65	62	69	65	62	68	65	64	63	62	61	61	61	61	61

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance