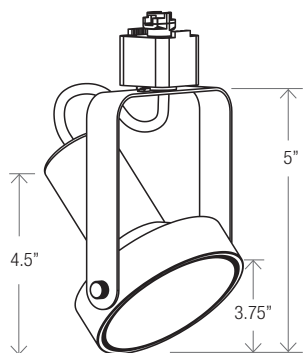
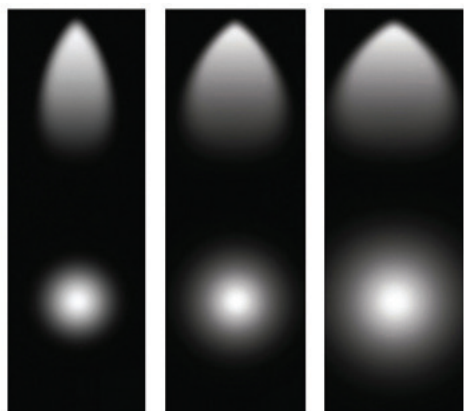




OPTICS



SP
Spot
15°

NFL
Narrow Flood
24°, 25°

FL
Flood
36°, 38°

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
1100	1309	17.8 W

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

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.

LUMENS	1100
CCT	30K
CRI	90+
COLOR QUALITY	2 Step MacAdam Ellipse
DISTRIBUTION	SP (Spot), NFL (Narrow Flood), FL (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.

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-213-1100L-DIMTR-120-30K-90-FL-AWH**

SERIES	LUMENS	DIMMING	CCT/CRI	OPTICS	COLOR
ET-LED-213	 1100L - 1100 lumens	 DIMTR-120	 30K-90	 SP - Spot 12°  NFL - Narrow Flood 24°-25°  FL - Flood 36°-38°	 AWH - Architectural White  ABK - Architectural Black

ET-LED-213-1100L-DIMTR-120-30K-90-FL-AWH

INPUT WATTS: **17.8**

LUMENS: **1309**

CRI: **90**

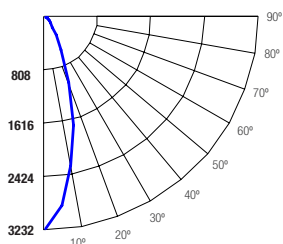
EFFICACY: **74**

CCT: **3000K**

TEST NO.: **EL0818124**

SPACING CRITERIA: **0.54**

Candle Power Distribution (Candelas)



Cone of Light		
4.0	11.2 fc	9.6 ft
8.0	2.8 fc	19.2 ft
12.0	1.24 fc	28.8 ft
16.0	0.7 fc	38.4 ft
20.0	0.45 fc	48 ft
24.0	0.31 fc	57.6 ft
Distance to Plane	Initial Footcandle at Nadir	Beam diameter
BEAM DIA. MEASURED AT 50% OF NADIR F.C.		

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	721.70	56.10	55.10
0-30	1007.58	78.30	76.90
0-40	1144.58	88.90	87.40
0-60	1257.13	97.70	96.00
0-80	1303.01	101.20	99.50
0-90	1309.45	101.70	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	13066	13907	17769
55	8939	9257	8551
65	8890	7958	7804
75	8589	7379	7355
85	6968	8079	8266

Lumens Per Zone

Zone	Lumens
0-10	259.53
10-20	462.17
20-30	285.88
30-40	137.00
40-50	73.21
50-60	39.34
60-70	28.36
70-80	17.53
80-90	6.44

Candela Tabulation

θ	
0	3232.17
5	2891.32
15	1706.05
25	558.90
35	191.59
45	73.48
55	40.78
65	29.88
75	17.68
85	4.83
90	0.13

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%
ROOM CAVITY RATIO	0	121	121	121	121	118	118	118	118	113	113	113	108	108	108	104	104	104	102	102	102	97	95	95
	1	115	112	110	108	113	110	108	106	106	104	103	102	101	100	99	98	97	95	94	92	90	89	89
	2	110	105	101	97	108	103	99	96	100	97	94	97	94	92	94	92	90	87	85	83	81	80	80
	3	105	98	93	89	103	97	92	89	94	90	87	92	89	86	90	87	85	82	80	78	76	74	74
	4	100	93	87	83	98	91	86	83	89	85	82	87	84	81	85	82	80	78	76	74	72	70	70
	5	96	87	82	78	94	87	81	77	85	80	77	83	79	76	82	78	75	74	72	70	68	67	67
	6	91	83	77	73	90	82	77	73	81	76	72	79	75	72	78	74	72	70	68	66	64	63	63
	7	88	79	73	69	86	78	73	69	77	72	69	76	72	68	75	71	68	67	65	64	62	61	61
	8	84	75	70	66	83	75	69	66	74	69	66	73	68	65	72	68	65	64	62	60	59	58	58
	9	81	72	67	63	80	72	66	63	71	66	63	70	65	62	69	65	62	61	59	57	56	55	55
	10	78	69	64	60	77	69	63	60	68	63	60	67	63	60	66	62	60	59	57	55	54	53	53

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance