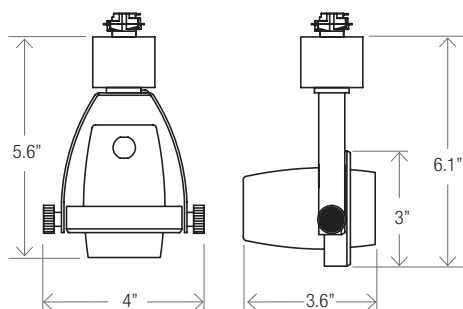
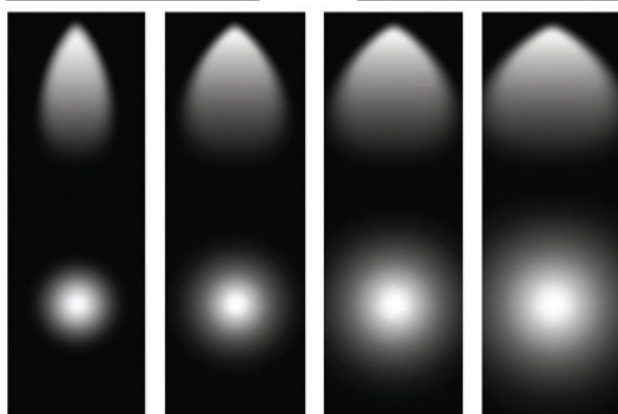




OPTICS



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

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
1000	947	12.2 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	1000
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-332-1000L-DIMTR-120-FL-30K-90-AWH**

SERIES	LUMENS	DIMMING	OPTICS	CCT/CRI	COLOR
ET-LED-332	 1000L - 1000 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-332-1000L-DIMTR-FL-120-30K-90-AWH

INPUT WATTS: **12.2**

LUMENS: **947**

CRI: **90**

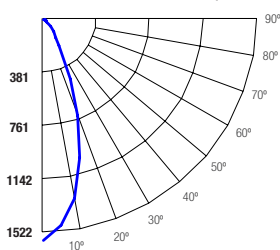
EFFICACY: **78**

CCT: **3000K**

TEST NO.: **EL1018112**

SPACING CRITERIA: **0.72**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	451.01	48.10	47.60
0-30	725.65	77.40	76.60
0-40	851.81	90.90	89.90
0-60	928.22	99.10	98.00
0-80	944.60	100.80	99.70
0-90	947.09	101.10	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	14843	14066	21260
55	7268	7352	7910
65	4246	4754	6091
75	4554	5155	4757
85	5379	6259	5781

Lumens Per Zone

Zone	Lumens
0-10	135.62
10-20	315.39
20-30	274.64
30-40	126.16
40-50	55.16
50-60	21.25
60-70	10.60
70-80	5.78
80-90	2.49

Candela Tabulation

Q	
0	1503.83
5	1460.65
15	1148.92
25	572.66
35	146.26
45	47.91
55	19.03
65	8.19
75	5.38
85	2.14
90	0.05

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	120	120	120	120	118	118	118	118	112	112	112	108	108	108	103	103	103	101					
1	115	112	109	107	112	110	107	105	106	104	102	102	102	100	99	98	97	96	94					
2	109	104	100	97	107	103	99	96	99	96	94	94	96	94	92	94	92	90	88					
3	104	98	93	89	102	96	92	88	94	90	87	91	88	85	89	86	84	82	80					
4	99	92	86	82	97	90	85	82	88	84	81	86	83	80	84	81	79	77	75					
5	94	86	81	76	93	85	80	76	84	79	75	82	78	75	80	77	74	73	70					
6	90	81	76	71	89	81	75	71	79	74	71	78	73	70	76	73	70	68	65					
7	86	77	71	67	85	76	71	67	75	70	67	74	70	66	73	69	66	63	61					
8	82	73	67	63	81	72	67	63	71	66	63	70	66	63	69	65	62	61	58					
9	79	69	64	60	78	69	64	60	68	63	60	67	63	59	66	62	59	58	55					
10	75	66	61	57	74	66	60	57	65	60	57	64	60	56	63	59	56	55	52					

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

Cone of Light		
4.0	5.2 fc	14.1 ft
8.0	1.3 fc	28.1 ft
12.0	0.58 fc	42.2 ft
16.0	0.33 fc	56.3 ft
20.0	0.21 fc	70.3 ft
24.0	0.14 fc	84.4 ft
Distance to Plane	Initial Footcandle at Nadir	Beam diameter

BEAM DIA. MEASURED AT 50% OF NADIR F.C.