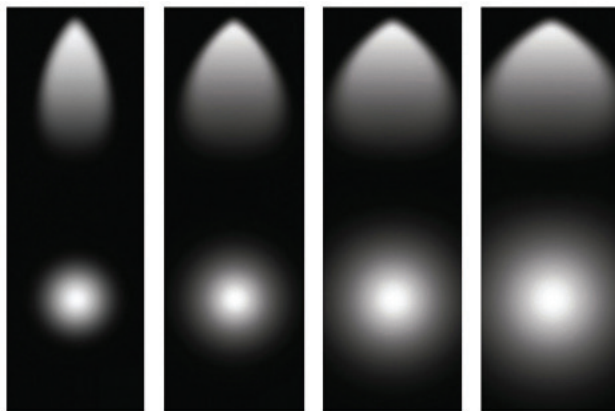


FEATURES

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 Spot 15°	NFL Narrow Flood 24°, 25°	FL Flood 36°, 38°	WFL Wide Flood 60°
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NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
600	619	10 W

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

LUMENS	600
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-328-600L-DIMTR-120-30K-90-FL-AWH**

SERIES	LUMENS	DIMMING	CCT/CRI	OPTICS	COLOR
ET-LED-328	<input checked="" type="checkbox"/> 600L - 600 lumens	<input checked="" type="checkbox"/> DIMTR-120	<input checked="" type="checkbox"/> 30K-90	<input type="checkbox"/> SP - Spot 15° <input type="checkbox"/> NFL - Narrow Flood 24°-25° <input checked="" type="checkbox"/> FL - Flood 36°-38° <input type="checkbox"/> WFL - Wide Flood 60°	<input checked="" type="checkbox"/> AWH - Architectural White <input type="checkbox"/> ABK - Architectural Black

ET-LED-328-600L-DIMTR-120-30K-90-FL-AWH

TEST NO.: **EL111808**

INPUT WATTS: **10**

LUMENS: **619**

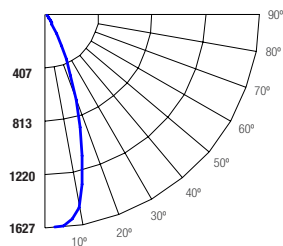
CRI: **90**

EFFICACY: **62**

CCT: **3000K**

SPACING CRITERIA: **0.56**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	406.21	65.90	65.60
0-30	548.26	89.00	88.60
0-40	587.43	95.30	94.90
0-60	613.28	99.50	99.10
0-80	618.41	100.40	99.90
0-90	618.97	100.40	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	11092	15778	24097
55	6786	7655	7633
65	3050	4110	4620
75	1861	2319	2351
85	970	3782	4073

Lumens Per Zone

Zone	Lumens
0-10	140.78
10-20	265.43
20-30	142.05
30-40	39.17
40-50	17.81
50-60	8.04
60-70	3.79
70-80	1.34
80-90	0.56

Candela Tabulation

Q		Q	
0	1608.43	0	1608.43
5	1585.13	5	1585.13
15	1038.55	15	1038.55
25	292.87	25	292.87
35	52.91	35	52.91
45	18.56	45	18.56
55	9.21	55	9.21
65	3.05	65	3.05
75	1.14	75	1.14
85	0.20	85	0.20
90	0.02	90	0.02

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

RC	80%				70%				50%				30%				10%				0%					
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	120	120	120	120	117	117	117	117	112	112	112	107	107	107	102	102	102	102	102	102	100	100	100	100	100	100
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	98	98	98	97	96	96	96	96	96
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	94	94	94	94	94	94	92	92	92	92	92	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	87	87	87	88	87	87	87	87	87
4	102	96	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83	83	83	84	83	83	83	83	83
5	98	91	86	83	97	90	86	82	89	85	82	87	84	81	85	83	80	79	79	79	80	79	79	79	79	76
6	94	87	82	79	93	86	82	78	85	81	78	84	80	77	82	79	77	76	76	76	77	76	76	76	76	73
7	91	83	78	75	90	83	78	75	82	77	74	81	77	74	79	76	74	73	73	73	74	73	73	73	73	70
8	88	80	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	70	70	70	71	70	70	70	70	70
9	85	77	72	69	84	77	72	69	76	72	69	75	71	68	74	71	68	67	67	67	68	67	67	67	67	67
10	82	74	69	66	81	74	69	66	73	69	66	72	69	66	72	68	66	65	65	65	66	65	65	65	65	65

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

Cone of Light

Distance to Plane	Beam diameter	Footcandle at Nadir
4.0	5.57 fc	10.5 ft
8.0	1.39 fc	21 ft
12.0	0.62 fc	31.5 ft
16.0	0.35 fc	42 ft
20.0	0.22 fc	52.5 ft
24.0	0.15 fc	63 ft

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