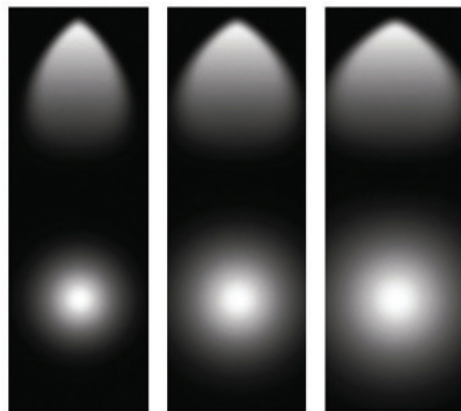


FEATURES

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



NFL Narrow Flood 24°, 25°	FL Flood 36°, 38°	WFL Wide Flood 60°
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NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
500	429	7.1 W

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

LUMENS	500
CCT	30K
CRI	90+
COLOR QUALITY	2 Step MacAdam Ellipse
DISTRIBUTION	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-333-500L-DIMTR-120-30K-90-FL-AWH**

SERIES	LUMENS	DIMMING	CCT/CRI	OPTICS	COLOR
ET-LED-333	<input checked="" type="checkbox"/> 500L - 500 lumens	<input checked="" type="checkbox"/> DIMTR-120	<input checked="" type="checkbox"/> 30K-90	<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-333-500L-DIMTR-120-30K-90-FL-AWH

TEST NO.: **EL111816**

INPUT WATTS: **7.1**

LUMENS: **429**

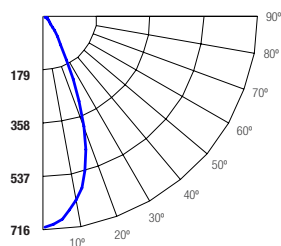
CRI: **90**

EFFICACY: **60**

CCT: **3000K**

SPACING CRITERIA: **0.68**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	215.64	50.40	50.20
0-30	335.04	78.20	78.00
0-40	382.46	89.30	89.10
0-60	415.10	96.90	96.70
0-80	427.60	99.90	99.60
0-90	429.39	100.30	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	14039	17639	31489
55	9968	10211	10826
65	8897	8644	9732
75	9155	8824	9031
85	8407	10003	10126

Lumens Per Zone

Zone	Lumens
0-10	64.78
10-20	150.86
20-30	119.40
30-40	47.41
40-50	21.95
50-60	10.70
60-70	7.61
70-80	4.89
80-90	1.78

Candela Tabulation

0	1	2	3	4	5	6	7	8	9	10
0	714.36	688.97	542.59	232.33	56.93	18.56	10.69	7.03	4.43	1.37
1	5	15	25	35	45	55	65	75	85	90
2	5	15	25	35	45	55	65	75	85	90
3	5	15	25	35	45	55	65	75	85	90
4	5	15	25	35	45	55	65	75	85	90
5	5	15	25	35	45	55	65	75	85	90
6	5	15	25	35	45	55	65	75	85	90
7	5	15	25	35	45	55	65	75	85	90
8	5	15	25	35	45	55	65	75	85	90
9	5	15	25	35	45	55	65	75	85	90
10	5	15	25	35	45	55	65	75	85	90

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%	0%			
0	119	119	119	119	117	117	117	117	111	111	111	107	107	107	102	102	102	100	100	100	100			
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	93	93	93	93			
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87	87	87	87			
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82	82	82	82			
4	98	91	85	81	96	90	85	81	88	83	80	86	82	79	84	81	78	77	77	77	77			
5	94	86	80	76	92	85	79	75	83	78	75	81	77	74	80	76	73	72	72	72	72			
6	89	81	75	71	88	80	75	71	79	74	70	77	73	70	76	72	69	68	68	68	68			
7	86	77	71	67	84	76	71	67	75	70	66	74	69	66	73	69	66	64	64	64	64			
8	82	73	67	63	81	72	67	63	71	66	63	70	66	63	69	65	62	61	61	61	61			
9	79	69	64	60	77	69	64	60	68	63	60	67	63	60	66	62	59	58	58	58	58			
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	64	60	57	55	55	55	55			

Cone of Light

Distance to Plane	Initial Footcandle at Nadir	Beam diameter
4.0	2.47 fc	14 ft
8.0	0.62 fc	28 ft
12.0	0.27 fc	42 ft
16.0	0.15 fc	56 ft
20.0	0.1 fc	70 ft
24.0	0.07 fc	84 ft

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

RC - Ceiling Cavity Reflectance RW - Wall Reflectance