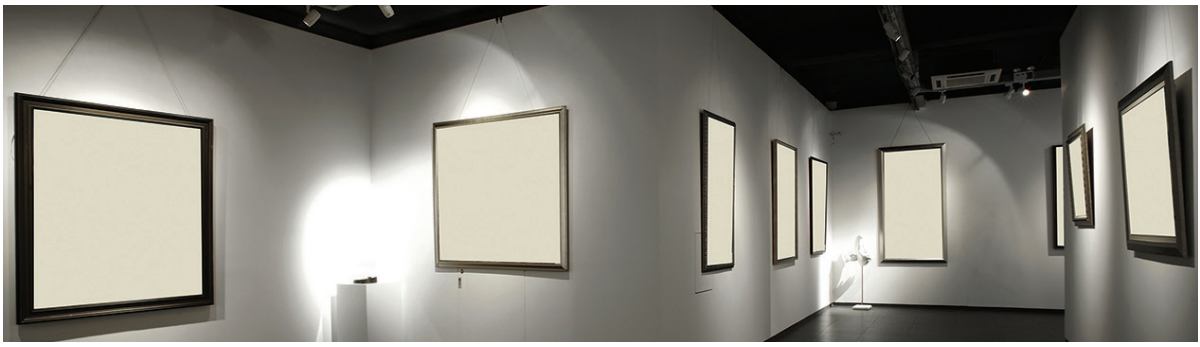
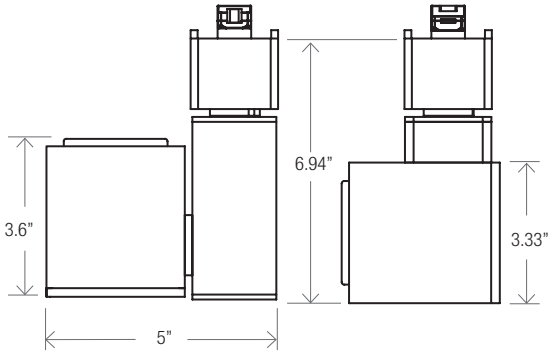
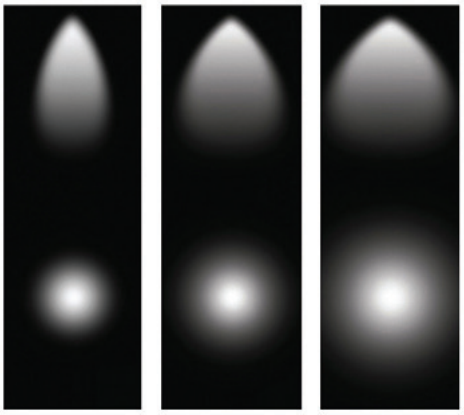
elite LED LIGHTING
By Elite Lighting

ET-LED-345
ARCHITECTURAL LED TRACK HEAD





OPTICS



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

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
2500	2613	36.9 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	2500
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

Intertek

PROUDLY ASSEMBLED in AMERICA

QUICKSHIP CONSULT FACTORY

5 YEARS LIMITED WARRANTY

ET-LED-345
ARCHITECTURAL LED TRACK HEAD

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)

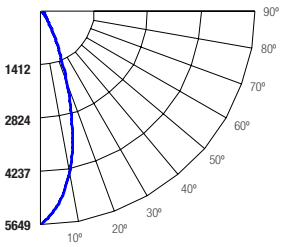
Example: **ET-LED-345-2500L-DIMTR-120-30K-90-FL-AWH**

SERIES	LUMENS	DIMMING	CCT/CRI	OPTICS	COLOR
ET-LED-345	❑ **2500L** - 2500 lumens	❑ **DIMTR-120**	❑ **30K-90**	❑ **SP** - Spot 12° ❑ **NFL** - Narrow Flood 24º-25° ❑ **FL** - Flood 36°-38º	❑ **AWH** - Architectural White ❑ **ABK** - Architectural Black

ET-LED-345-2500L-DIMTR-120-30K-90-FL-AWH TEST NO.: **EL101899**

INPUT WATTS: **36.9** LUMENS: **2613** CRI: **90** EFFICACY: **71** CCT: **3000K** SPACING CRITERIA: **0.64**

Candle Power Distribution (Candelas)



Cone of Light		
4.0	19.3 fc	12.3 ft
8.0	4.82 fc	24.5 ft
12.0	2.14 fc	36.8 ft
16.0	1.2 fc	49.1 ft
20.0	0.77 fc	61.3 ft
24.0	0.54 fc	73.6 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	1550.66	59.30	59.30
0-30	2272.22	86.90	86.90
0-40	2481.06	94.90	94.90
0-60	2588.02	99.00	99.00
0-80	2610.44	99.90	99.90
0-90	2613.25	100.00	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0º	Average 45º	Average 90º
45	6015	6098	15989
55	3492	3712	4398
65	2218	2517	3136
75	1567	1954	2282
85	439	3159	3654

Lumens Per Zone

Zone	Lumens
0-10	493.19
10-20	1057.47
20-30	721.55
30-40	208.85
40-50	77.91
50-60	29.05
60-70	15.44
70-80	6.98
80-90	2.82

Candela Tabulation

	0
0	5566.75
5	5188.50
15	3434.60
25	1025.00
35	138.49
45	52.22
55	24.59
65	11.51
75	4.98
85	0.47
90	0.09

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%	0%
ROOM CAVITY RATIO	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
	1	114	112	109	107	112	109	107	106	105	104	102	102	101	99	98	97	97	95
	2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90
	3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	87	85
	4	101	94	89	86	99	93	88	85	91	87	84	89	86	83	87	84	82	81
	5	96	89	84	81	95	88	84	80	87	83	80	85	82	79	84	81	78	77
	6	93	85	80	76	91	84	79	76	83	79	75	82	78	75	80	77	75	73
	7	89	81	76	72	88	81	76	72	79	75	72	78	74	71	77	74	71	70
	8	86	78	72	69	85	77	72	69	76	72	69	75	71	68	74	71	68	67
	9	83	74	69	66	82	74	69	66	73	69	66	72	68	65	71	68	65	64
	10	80	71	66	63	79	71	66	63	70	66	63	69	65	63	69	65	63	61

***RC** - Ceiling Cavity Reflectance* ***RW** - Wall Reflectance*