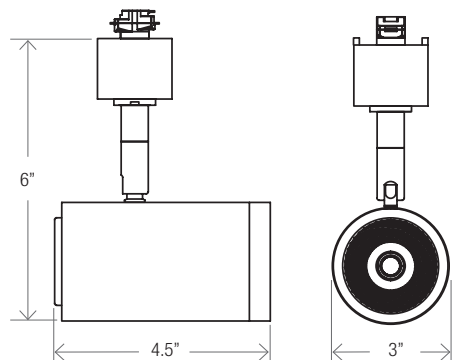
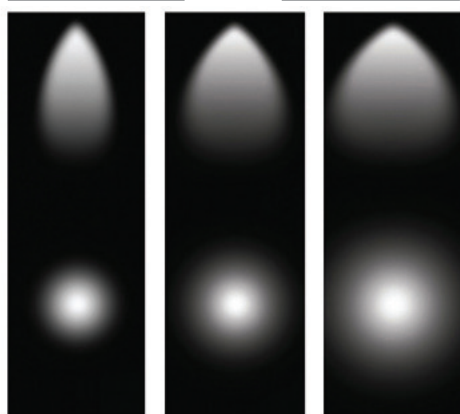




OPTICS



SP
Spot
15°

NFL
Narrow Flood
24°, 25°

FL
Flood
36°, 38°

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
1500	1598	20.7 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	1500
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, 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-352-1500L-DIMTR-120-FL-30K-90-AWH**

SERIES	LUMENS	DIMMING	OPTICS	CCT/CRI	COLOR
ET-LED-352	 1500L - 1500 lumens	 DIMTR-120	 SP - Spot 15°  NFL - Narrow Flood 24°-25°  FL - Flood 36°-38°	 30K-90	 AWH - Architectural White  ABK - Architectural Black

ET-LED-352-1500L-DIMTR-120-FL-30K-90

INPUT WATTS: **20.7**

LUMENS: **1598**

CRI: **90**

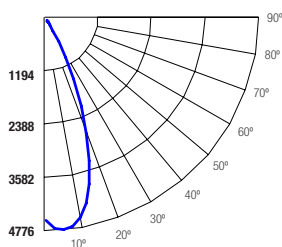
EFFICACY: **77**

CCT: **3000K**

TEST NO.: **EL111815**

SPACING CRITERIA: **0.56**

Candle Power Distribution (Candelas)



Cone of Light		
4.0	285 fc	2.5 ft
8.0	71.1 fc	4.9 ft
12.0	31.6 fc	7.4 ft
16.0	17.8 fc	9.9 ft
20.0	11.4 fc	12.3 ft
24.0	7.9 fc	14.8 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	1058.24	94.70	66.20
0-30	1456.42	130.30	91.20
0-40	1534.6	137.30	96.00
0-60	1582.2	141.50	99.00
0-80	1597.28	142.90	100.00
0-90	1597.83	142.90	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	2051	2587	2555
55	1666	1974	2010
65	1241	1472	1531
75	607	942	853
85	0	0	804

Lumens Per Zone

Zone	Lumens
0-10	368.11
10-20	690.13
20-30	398.18
30-40	78.19
40-50	28.56
50-60	19.04
60-70	10.72
70-80	4.36
80-90	0.54

Candela Tabulation

Q	
0	4552.63
5	4052.66
15	2890.58
25	1091.55
35	139.26
45	33.72
55	22.22
65	12.19
75	3.65
85	0.00
90	0.00

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	170	170	170	170	166	166	166	166	159	159	159	152	152	152	146	146	146	146	
	1	164	160	157	154	160	157	154	152	151	149	147	144	144	143	141	140	139	138	
	2	157	151	146	142	154	149	144	141	144	141	138	140	137	135	136	134	132	130	
	3	151	143	138	133	148	142	136	132	138	133	130	135	131	128	131	128	126	124	
	4	145	137	130	125	143	135	129	124	132	127	123	129	125	122	127	123	120	118	
	5	140	130	124	119	138	129	123	118	127	121	117	124	120	116	122	118	115	113	
	6	135	125	118	113	133	124	117	112	122	116	112	120	115	111	118	114	110	109	
	7	130	120	113	108	129	119	112	108	117	111	107	115	110	106	114	109	106	104	
	8	126	115	108	103	124	114	108	103	113	107	103	111	106	102	110	105	102	100	
	9	122	111	104	99	120	110	103	99	109	103	99	108	102	98	107	102	98	97	
10	118	107	100	95	116	106	100	95	105	99	95	104	99	95	103	98	95	93		

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance