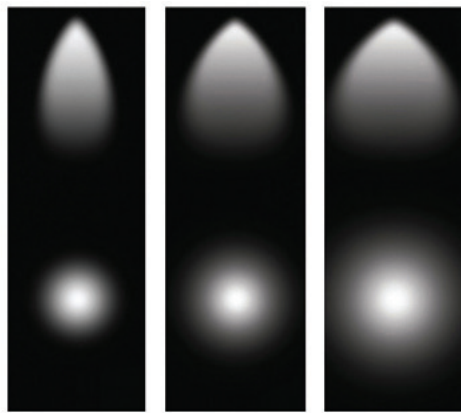


OPTICS



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

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
1100	1164	15.6 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	1100
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)

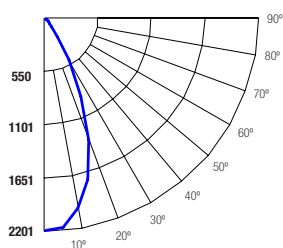
Example: **ET-LED-302-1100L-DIMTR-120-30K-90-FL-AWH**

SERIES	LUMENS	DIMMING	CCT/CRI	OPTICS	COLOR
ET-LED-302	<input type="checkbox"/> 1100L - 1100 lumens	<input type="checkbox"/> DIMTR-120	<input type="checkbox"/> 30K-90	<input type="checkbox"/> SP - Spot 15° <input type="checkbox"/> NFL - Narrow Flood 24°-25° <input type="checkbox"/> FL - Flood 36°-38° <input type="checkbox"/> WFL - Wide Flood 60°	<input type="checkbox"/> AWH - Architectural White <input type="checkbox"/> ABK - Architectural Black

ET-LED-302-1100L-DIMTR-120-30K-90-FL-AWH

INPUT WATTS: **14** LUMENS: **1164** CRI: **90** EFFICACY: **83** CCT: **3000K** TEST NO.: **EL0818105**
SPACING CRITERIA: **0.66**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	623.45	54.30	53.50
0-30	953.88	83.00	81.90
0-40	1083.76	94.30	93.10
0-60	1151.78	100.20	98.90
0-80	1162.75	101.20	99.90
0-90	1164.29	101.30	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	38815	40282	67257
55	13745	17255	16272
65	6704	7903	10213
75	4833	5620	5656
85	6904	8480	8861

Lumens Per Zone

Zone	Lumens
0-10	195.33
10-20	428.12
20-30	330.43
30-40	129.88
40-50	51.20
50-60	16.82
60-70	7.43
70-80	3.55
80-90	1.54

Candela Tabulation

0	
0	2201.29
5	2178.50
15	1729.47
25	893.32
35	221.44
45	57.93
55	16.64
65	5.98
75	2.64
85	1.27
90	0.30

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

ROOM CAVITY RATIO	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%			
0	121	121	121	121	118	118	118	118	113	113	113	108	108	108	103	103	103	103	103	103	101	101	101		
1	115	113	110	108	113	111	108	107	107	105	103	103	101	100	99	98	98	97	97	96	96	96	96		
2	110	106	102	99	108	104	101	98	101	98	96	98	95	93	95	93	92	92	92	90	90	90	90		
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	85	85	85	85	85		
4	101	94	89	85	99	93	88	84	91	87	83	89	85	82	87	84	81	81	80	80	80	80	80		
5	96	89	83	79	95	88	83	79	86	82	78	84	81	78	83	80	77	76	76	76	76	76	76		
6	92	84	79	75	91	83	78	75	82	77	74	81	77	74	79	76	73	72	72	72	72	72	72		
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	68	68	68	68	68	68		
8	85	76	71	67	84	76	70	67	75	70	67	74	69	66	73	69	66	65	65	65	65	65	65		
9	81	73	67	64	80	72	67	64	71	67	63	70	66	63	70	66	63	62	62	62	62	62	62		
10	78	70	64	61	77	69	64	61	68	64	60	68	63	60	67	63	60	59	59	59	59	59	59		

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

Cone of Light		
4.0	7.62 fc	12.8 ft
8.0	1.9 fc	25.7 ft
12.0	0.85 fc	38.5 ft
16.0	0.48 fc	51.4 ft
20.0	0.3 fc	64.2 ft
24.0	0.21 fc	77.1 ft

Distance to Plane Initial Footcandle at Nadir Beam diameter

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