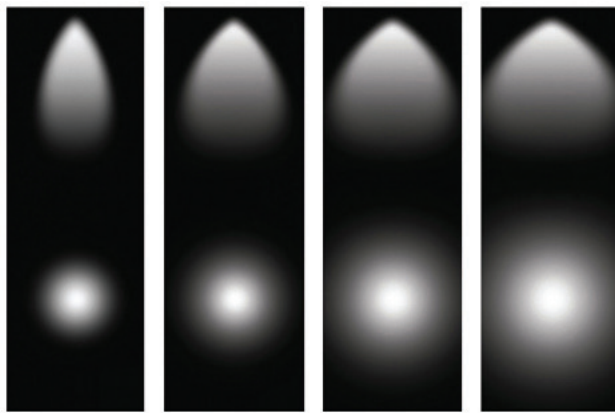


FEATURES

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°
--------------------------	--	--------------------------------	---------------------------------

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
1200	1259	20 W

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

LUMENS	1200
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.

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)

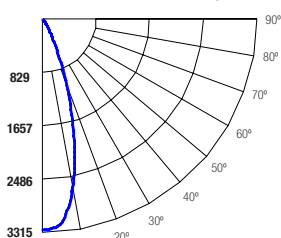
Example: **ET-LED-313-1200L-DIMTR-120-30K-90-FL-AWH**

SERIES	LUMENS	DIMMING	CCT/CRI	OPTICS	COLOR
ET-LED-313	<input type="checkbox"/> 1200L - 1200 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-313-1200L-DIMTR-120-30K-90-FL-AWH

INPUT WATTS: **20** LUMENS: **1259** CRI: **90** EFFICACY: **63** CCT: **3000K** TEST NO.: **EL1018100**
SPACING CRITERIA: **0.56**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	803.33	63.80	63.80
0-30	1099.63	87.30	87.30
0-40	1188.97	94.40	94.40
0-60	1246.73	99.00	99.00
0-80	1257.79	99.90	99.90
0-90	1259.00	100.00	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	2367	2727	4208
55	1262	1327	1469
65	551	716	937
75	299	413	544
85	141	720	885

Lumens Per Zone

Zone	Lumens
0-10	281.92
10-20	521.41
20-30	296.30
30-40	89.34
40-50	40.41
50-60	17.34
60-70	8.19
70-80	2.87
80-90	1.22

Candela Tabulation

0	
0	3314.22
5	3240.62
15	1987.31
25	568.86
35	118.28
45	42.12
55	18.22
65	5.86
75	1.95
85	0.31
90	0.04

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%				
0	119	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	102	102	102	100			
1	114	112	110	108	108	112	110	108	106	106	104	103	102	101	100	99	98	97	99	98	97	97	95			
2	110	105	102	99	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90	95	93	92	90			
3	105	100	96	92	92	103	98	95	91	96	93	90	94	91	89	91	89	87	86	91	89	87	86			
4	101	95	90	87	87	99	94	89	86	92	88	85	90	87	84	88	85	83	82	88	85	83	82			
5	97	90	85	82	82	96	89	85	81	88	84	81	86	83	80	85	82	79	78	85	82	79	78			
6	94	86	81	78	78	92	85	81	77	84	80	77	83	79	76	81	78	76	75	81	78	76	75			
7	90	82	77	74	74	89	82	77	74	81	76	73	80	76	73	79	75	73	72	79	75	73	72			
8	87	79	74	71	71	86	79	74	71	78	73	70	77	73	70	76	72	70	69	76	72	70	69			
9	84	76	71	68	68	83	76	71	68	75	70	67	74	70	67	73	70	67	66	73	70	67	66			
10	81	73	68	65	65	80	73	68	65	72	68	65	71	67	65	71	67	65	64	71	67	65	64			

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

Cone of Light

4.0	11.5 fc	10.3 ft
8.0	2.87 fc	20.6 ft
12.0	1.27 fc	30.9 ft
16.0	0.72 fc	41.2 ft
20.0	0.46 fc	51.5 ft
24.0	0.32 fc	61.8 ft

Distance to Plane Initial Footcandle at Nadir Beam diameter

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