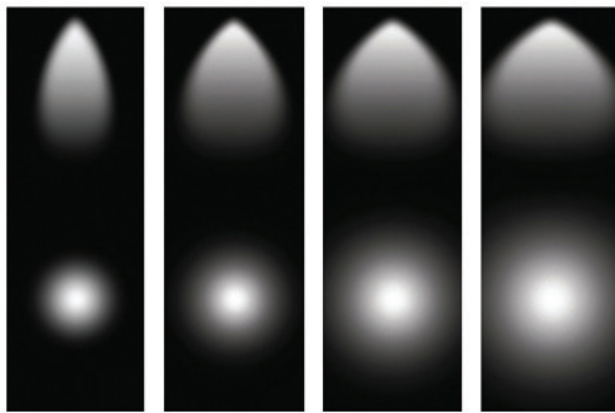


FEATURES

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
600	626	10 W

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

LUMENS	600
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)

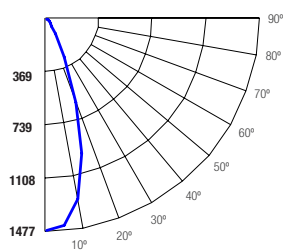
SERIES	LUMENS	DIMMING	CCT/CRI	OPTICS	COLOR
ET-LED-311	600L - 600 lumens	DIMTR-120	30K-90	<input type="checkbox"/> SP - Spot 15° <input type="checkbox"/> NFL - Narrow Flood 24°-25° <input type="checkbox"/> FL - Flood 36°-38° <input type="checkbox"/> WFL - Wide Flood 60°	<input type="checkbox"/> AWH - Architectural White <input type="checkbox"/> ABK - Architectural Black

ET-LED-311-600L-DIMTR-120-30K-90-FL-AWH

TEST NO.: **EL1018110**

INPUT WATTS: **9.9** LUMENS: **626** CRI: **90** EFFICACY: **63** CCT: **3000K** SPACING CRITERIA: **0.60**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	382.18	62.10	61.00
0-30	540.47	87.80	86.30
0-40	590.19	95.80	94.20
0-60	620.13	100.70	99.00
0-80	625.66	101.60	99.90
0-90	626.27	101.70	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	6791	6144	7687
55	3583	3021	2952
65	1508	1690	1840
75	855	999	1033
85	427	1709	1835

Lumens Per Zone

Zone	Lumens
0-10	128.02
10-20	254.16
20-30	158.29
30-40	49.72
40-50	21.21
50-60	8.73
60-70	4.07
70-80	1.45
80-90	0.61

Candela Tabulation

θ	0
0	1477.41
5	1446.59
15	973.43
25	292.38
35	59.33
45	21.92
55	9.38
65	2.91
75	1.01
85	0.17
90	0.02

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflection 0.20

ROOM CAVITY RATIO	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%	0%			
0	121	121	121	121	118	118	118	118	113	113	113	108	108	108	104	104	104	102					
1	116	114	111	109	114	111	109	108	107	106	104	104	102	101	100	99	98	96					
2	111	107	103	100	109	105	102	99	102	99	97	99	97	95	96	95	93	91					
3	107	101	97	93	105	100	96	92	97	94	91	95	92	90	92	90	88	87					
4	102	96	91	87	101	95	90	87	93	89	86	91	87	85	89	86	84	82					
5	98	91	86	82	97	90	85	82	88	84	81	87	83	80	85	82	80	78					
6	94	87	82	78	93	86	81	78	85	80	77	83	79	77	82	79	76	75					
7	91	83	78	74	90	82	77	74	81	77	73	80	76	73	79	75	73	72					
8	88	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	68					
9	84	76	71	68	83	76	71	67	75	70	67	74	70	67	73	69	67	66					
10	81	73	68	65	80	73	68	65	72	68	65	71	67	64	71	67	64	63					

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

Cone of Light		
4.0	5.11 fc	11.2 ft
8.0	1.28 fc	22.5 ft
12.0	0.57 fc	33.7 ft
16.0	0.32 fc	45 ft
20.0	0.2 fc	56.2 ft
24.0	0.14 fc	67.5 ft
Distance to Plane	Initial Footcandle at Nadir	Beam diameter

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