

OPTICS



VWFL

Very Wide Flood
98°

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
3000	3233	39 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	3000
CCT	40K
CRI	80+
COLOR QUALITY	3 Step MacAdam Ellipse
DISTRIBUTION	VWFL (Very 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

The reflector has a 45~DEG cutoff, and is shipped standard with a Solite lens in a smooth frosted finish. It is spun from 0.05" thick aluminum, has a 1-step anodized finish, and is available in different colors or custom RAL finishes. Reflector trim options include self-flanged and white painted flange.

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-362-3000L-DIMTR-120-VWFL-40K-80-AWH**

SERIES	LUMENS	DIMMING	OPTICS	CCT/CRI	COLOR
ET-LED-362	 3000L - 3000 lumens	 DIMTR-120	 VWFL - Very Wide Flood 98°	 40K-80	 AWH - Architectural White  ABK - Architectural Black

ET-LED-362-3000L-DIMTR-120-VWFL-40K-80-AWH

TEST NO.: **EL021735**

INPUT WATTS: **39**

LUMENS: **3233**

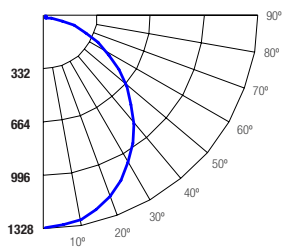
CRI: **80**

EFFICACY: **83**

CCT: **4000K**

SPACING CRITERIA: **1.28**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	464.74	14.40	14.40
0-30	968.90	30.00	30.00
0-40	1551.68	48.10	48.00
0-60	2617.27	81.10	80.90
0-80	3151.99	97.70	97.50
0-90	3199.47	99.10	98.90

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	29527	30405	30498
55	26932	28079	28297
65	23722	25485	25946
75	19475	22199	23268
85	12089	18511	21034

Lumens Per Zone

Zone	Lumens
0-10	121.71
10-20	343.04
20-30	504.15
30-40	582.79
40-50	575.90
50-60	489.69
60-70	349.32
70-80	185.40
80-90	47.48

Candela Tabulation

0	0
0	1328.33
5	1317.02
15	1257.91
25	1134.64
35	969.43
45	776.60
55	574.58
65	372.90
75	187.49
85	39.19
90	1.32

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%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	101	101	101	99	99	99	99	99	99	99	99	99
1	109	109	109	109	109	106	106	106	106	99	99	99	95	95	95	89	89	89	89	89	89	86	86	86	86	86	86	86	86	86
2	100	100	100	100	100	97	97	97	97	90	90	90	84	84	84	77	77	77	77	77	77	73	73	73	73	73	73	73	73	73
3	91	91	91	91	91	87	87	87	87	81	81	81	74	74	74	67	67	67	67	67	67	62	62	62	62	62	62	62	62	62
4	84	84	84	84	84	80	80	80	80	74	74	74	67	67	67	60	60	60	60	60	60	55	55	55	55	55	55	55	55	55
5	77	77	77	77	77	73	73	73	73	67	67	67	60	60	60	53	53	53	53	53	53	48	48	48	48	48	48	48	48	48
6	71	71	71	71	71	67	67	67	67	61	61	61	54	54	54	47	47	47	47	47	47	42	42	42	42	42	42	42	42	42
7	66	66	66	66	66	62	62	62	62	56	56	56	49	49	49	42	42	42	42	42	42	37	37	37	37	37	37	37	37	37
8	62	62	62	62	62	58	58	58	58	52	52	52	45	45	45	38	38	38	38	38	38	33	33	33	33	33	33	33	33	33
9	58	58	58	58	58	54	54	54	54	48	48	48	41	41	41	34	34	34	34	34	34	29	29	29	29	29	29	29	29	29
10	54	54	54	54	54	50	50	50	50	44	44	44	37	37	37	30	30	30	30	30	30	25	25	25	25	25	25	25	25	25

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance