

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
6000	6060	60 W
5000	5245	48 W
4000	4250	38 W

Based on 4000K, 85+ CRI. Actual wattage may vary +/- 5%

FEATURES

This fully luminous edge-lit LED architectural troffer has a low-profile design that optimizes shallow plenum spaces. Featuring multiple lumen packages, color temperatures, and dimming options, this LED troffer has an architectural look perfect for elevating any interior space. New construction or retrofit for either recessed or surface mount installation. Ideal for commercial office spaces, retail, educational, and healthcare facilities.

LUMENS	4000, 5000, 6000
CCT	30K, 35K, 40K, 50K
CRI	85+
UGR	<19
COLOR QUALITY	3 Step MacAdam Ellipse
SIZE	2'x2', 2'x4'
MOUNTING	Recessed
DIMMING & CONTROL	0-10V Flicker Free 1% Dimming Standard (DIM10), LUTH, LUTFTB, LUT2W, DIMST, ELDO10.1, ELDDMX.1, DALI.1
EMERGENCY	10W - Up to 1000L output (Bodine BSL310) 20W - Up to 2000L output (Bodine BSL20)
LIFETIME	L70 at 83,000 Hours
PHOTOMETRIC TESTS	In Accordance with IES LM79-08, LM80 and TM-30, TM-21



MAINTENANCE

LED engines and drivers are removable and upgradable even after luminaire installation.

OPTICAL SYSTEM

Optical system combines reflective and refractive optics for even, comfortable illumination. Evenly spaced edge-lit LEDs provide uniform illumination from luminaire to luminaire. Light passes smoothly through a light guide plate for even distribution and high output.

CONSTRUCTION

Heavy-duty 20-gauge cold rolled steel body, post-painted with a highly reflective 93% white coat. All corners interlock to remove sharp edges for safe handling. Top cover conceals internal electrical components.

REMOTE DRIVER OPTION

Remote driver option is available. Remote driver can be mounted virtually anywhere within the length of the 20-ft cord.

FINISH

Post-painted with a 93% reflective white coat to improve luminaire efficacy, with all body components seamlessly interlocked for added structural strength.

MOUNTING

Luminaire depth of 3 1/4" fits into shallow plenum spaces. The Lux accommodates lay-in ceilings, Slot T, and T-bar suspension systems for 5/8" and 3/8" ceiling thicknesses. Four corner tie points and built-in earthquake clips standard. Luminaire is supplied with multiple wiring entrances for easy daisy chain of luminaires, to add power packs, whips, or other accessories in the field, or for continuous row mounting.

OPTIONS

Luminaires can be shipped pre-installed with whips, modular wiring systems, daylight harvesting controls, occupancy sensors, and/or power packs for individual or room control applications.

DRIVER ELECTRICAL INFORMATION

Powered by high-quality constant-current power LED drivers which are rated for 50 to 60Hz at 120/277V input. Available in 347V., produce less than 20% THD, and have a power factor of .90 to 1.00.

DIMMING & DRIVER INFORMATION

DIM10 - Flicker Free 1% Dimming Standard (DIM10) 0-10V dimming on either MVOLT 120, 277 or 347V.

LUT2W - Lutron LTEA2W Hi-Lume 1%. 2-wire LED Driver Forward Phase Control, 1% dimming in 120V only. Available on all luminaires up to 40 watts.

LUTH - Lutron LDE1 Hi-Lume Eco System. 1% dimming with Soft in Fade to Black dimming technology.

ELDO10.1 - EldoLED SoloDrive 0-10V. Dimming down to 0.1%. Available on all luminaires up to 100 watts.

DALI - DALI DT6, DT8 dimming down to 1%. Available on all luminaires up to 100 watts.

ELDODMX - EldoLED PowerDrive dimming down to 0.1%. Available on all luminaires up to 100 watts.

Please see EldoLED website for wiring diagrams and a list of compatible DMX and DALI control systems.

DIMST - Step Dimming

WARRANTY

Five-year warranty for parts and components. (Labor not included)

LISTINGS

c-UL-us - Listed for Feed Through Wiring.
Listed for DLC, California Title 24 compliant.

Example: 24-LUX-LED-4000L-DIM10-MVOLT-30K-85

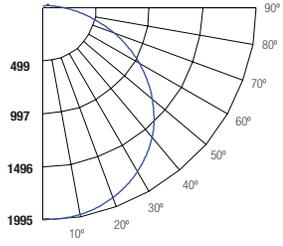
FIXTURE SIZE	SERIES	TYPE	LUMENS	DIMMING	VOLTAGE	CCT	CRI	EMERGENCY	OTHER OPTIONS
24 - 2' X 4'	LUX LED Troffer	LED	6000L - 6000 lumens 5000L - 5000 lumens 4000L - 4000 lumens	DIM10 - 0-10V Dimming DIMST - Step Dimming LUTH - Lutron HiLume LUT2W - Lutron 2Wire LUTFTB - Lutron Fade to Black ELDO10.1 - EldoLED 0-10V ELDODALI - EldoLED DALI ELDODMX - EldoLED DMX	MVOLT 347* <small>*Consult factory for details</small>	30K 35K 40K 50K	85	EMG-LED-10W EMG-LED-20W	FBF Internal Fast Blow Fuse SBF Internal Slow Blow Fuse RIS Radio Interference Suppressor RD Remote Driver USA Made in America Compliance

24-LUX-LED-6000L-DIM10-MVOLT-30K-85

TEST NO.: EL05082055

INPUT WATTS: **60** LUMENS: **6060** CRI: **85** EFFICACY: **101** CCT: **3000K** SPACING CRITERIA: **1.42**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	731.53	12.1	12.1
0-30	1565.69	25.8	25.8
0-40	2591.55	42.8	42.8
0-60	4679.37	77.2	77.2
0-80	5896.62	97.3	97.3
0-90	6009.56	99.2	99.2

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	2672	2716	2702
55	2599	2681	2656
65	2450	2530	2536
75	2124	2209	2230
85	1413	1543	1642

Lumens Per Zone

Zone	Lumens
0-10	188.4
10-20	543.13
20-30	834.16
30-40	1025.86
40-50	1088
50-60	999.81
60-70	775.44
70-80	441.82
80-90	112.94

Candela Tabulation

0	0
0	1988.84
5	1988.35
15	1930.6
25	1815.27
35	1643.4
45	1405.42
55	1108.83
65	770.12
75	409.02
85	91.59
90	10.58

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

Cone of Light			
2	688	5.4	5.7
3	183	10.5	11.1
5	79.6	15.9	16.8
7	44.3	21.3	22.5
8	28.9	26.7	27.9
10	19.9	31.8	33.6

(FT) Distance to Plane (FC) Initial Footcandle at Nadir (FT) Beam Vert. Spread (FT) Beam Horiz. Spread

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

RC	RW	80%				70%				50%				30%				10%				0%
		70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%				
0	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	101	101	101	99			
1	108	103	99	95	106	101	97	94	97	93	90	93	93	90	88	89	87	85	83			
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	68	68			
3	89	79	70	64	87	77	69	63	74	67	62	71	65	61	68	64	59	57	57			
4	82	69	61	54	79	68	60	53	65	58	52	63	57	52	61	55	51	49	49			
5	75	62	53	46	73	61	52	46	59	51	45	56	50	45	54	49	44	42	42			
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	49	43	39	36	36			
7	64	50	41	35	62	49	41	35	48	40	35	46	40	34	45	39	34	32	32			
8	60	46	37	31	58	45	37	31	44	36	31	42	36	31	41	35	30	29	29			
9	56	42	34	28	54	41	33	28	40	33	28	39	32	28	38	32	27	26	26			
10	52	39	31	25	51	38	31	25	37	30	25	36	30	25	35	29	25	23	23			

RC - Ceiling Cavity Reflectance

RC - Ceiling Cavity Reflectance