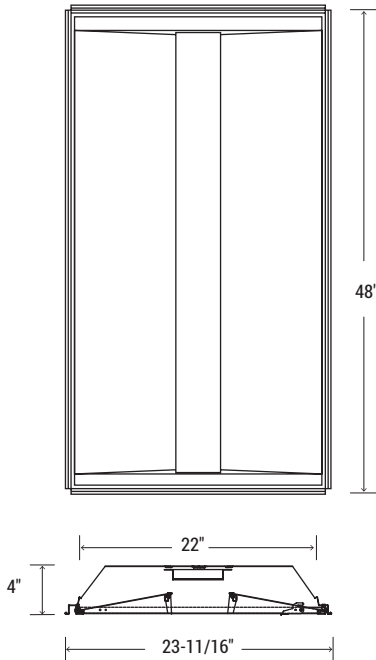




FEATURES

The clean lines and crisp profile of the lens creates an impressionable look, making it the perfect application for contemporary spaces. Featuring a sleek center metal extrusion that can be painted any color, it creates a floating visual effect, providing a seamless aesthetically pleasing appearance. The angled backlit lens creates volumetric, uniform illumination with the use of glare-free reflective surfaces, resulting in ideal visual comfort. The high efficiency and sustainability of the luminaire makes it the ideal source for corporate offices, educational, healthcare, commercial, and retail applications.

LUMENS	4000, 5000, 6000
CCT & DYNAMIC PLATFORMS	30K, 35K, 40K, 50K, Tunable White, Dims to Warm, RGB + White
CRI	85+
COLOR QUALITY	3 Step MacAdam Ellipse
SIZE	2'x2', 2'x4'
MOUNTING	Recessed
DIMMING & CONTROL	0-10V Flicker Free 1% Dimming Standard (DIM10), LUTH, DIMST, ELDO10.1, ELDODMX.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

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
6000	5722	73 W
5000	4853	58 W
4000	4165	49 W

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



MAINTENANCE

The door frame assembly is hinged, allowing easy access to LED boards and driver compartment, locking into place for secure closure of the luminaire. LED engines and drivers are removable and upgradable even after luminaire installation. Luminaire can be regularly and safely wiped down to ensure optimal performance.

OPTICAL SYSTEM

The LED light engine is secured to the body of the luminaire, with the body acting as a heat sink. A proprietary design of the lens results in zero pixilation, regardless of the viewing angle, with LEDs placed to promote a uniform appearance. The result is even illumination across the space, from luminaire to luminaire.

CONSTRUCTION

Body is constructed of heavy-duty 20-gauge cold rolled steel, post-painted and engineered for maximum strength and extended life. All corners interlock to prevent aesthetic damage to the luminaire, with sides and corners uniformly turned in and hemmed to remove sharp edges for safe handling and easy installation. 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.

FINISH

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

MOUNTING

Luminaires accommodate lay-in ceilings, Slot T, and T-bar suspension systems for 5/8" and 3/8" ceiling thicknesses. Four corner tie points are standard for safety wire support when required, with built-in earthquake clips, standard. Luminaires may be available with flange kits, surface mounted kits, and other options.

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 (120V forward phase only).

LUTH - Lutron LDE1 Hi-Lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology.

ELDO10.1 - EldoLED SoloDrive 0-10V. Dimming down to 0.1%.

DALI - DALI DT6, DT8 dimming down to 1%.

ELDODMX - EldoLED PowerDrive dimming down to 0.1%.

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)

LED DYNAMIC PLATFORM OPTIONS



Tunable White with Smart White Technology utilizing the Lumenetix Platform allows you to color tune the luminaire via various controls. Create the perfect environment for the desired use of the space, while maintaining a CRI of 90+ across the tunable range of 8000 to 1650K. (Click here for more details)



Dims to Warm with Smart Dimming Technology. At 100% full brightness the luminaire is at 3000K. When dimmed to 1%, the light transitions to 1800K, creating a warm ambiance within the space. (Click here for more details)



RGB+White with Smart Hue Technology provides full color mixing of RGB and white colors. Utilizing the Lumenetix Platform allows you to choose from unlimited RGB color options, via various controls. Ideal for Circadian Rhythm applications or to create the perfect human centric environment. (Click here for more details)

LISTINGS

c-UL-us - Listed for Feed Through Wiring.

Listed for DLC, California Title 24 compliant.

Example: **24-LITE-LED-2-5000L-DIM10-MVOLT-30K-85**

24	LITE	LED-2							
FIXTURE SIZE	SERIES	TYPE	LUMENS	DIMMING	VOLTAGE	CCT	CRI	EMERGENCY	OTHER OPTIONS
24 - 2' X 4'	LITE - Fully Illuminated LED Troffer	LED-2	4000L - 4000 lumens 5000L - 5000 lumens 6000L - 6000 lumens	DIM10 - 0-10V Dimming DIMST - Step Dimming LUTH - Lutron HiLume ELDO10.1 - EldoLED 0-10V DALI.1 - EldoLED DALI ELDODMX.1 - EldoLED DMX	MVOLT 347* 120 277	30K 35K 40K 50K	85	0-EMG-LED-10W 0-EMG-LED-20W	24FK - 2'x4' Flange Kit FBF - Internal Fast Blow Fuse SBF - Internal Slow Blow Fuse RIS - Radio Interference Suppressor USA - Made in America Compliance

*Consult factory for details

LUT2W are available in 120V only LUT2W up to 5000L

LUTH, ELDO10.1, ELDODALI.1, and ELDODMX.1 are available in 120V and 277V

-Reference last page for Control Options

24-LITE-LED-2-4000L-DIM10-MVOLT-40K-85

INPUT WATTS: **49.2**

LUMENS: **4165**

CRI: **85**

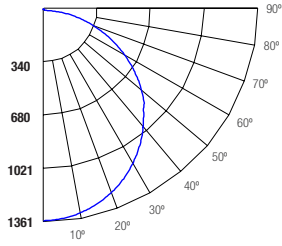
EFFICACY: **85**

CCT: **4000K**

TEST NO.: **EL10081948**

SPACING CRITERIA: **1.40**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	498.84	12.00	12.00
0-30	1064.87	25.60	25.60
0-40	1756.02	42.20	42.20
0-60	3162.55	75.90	75.90
0-80	4020.86	96.50	96.50
0-90	4129.29	99.10	99.10

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	1732	1759	1830
55	1679	1714	1798
65	1598	1625	1734
75	1494	1509	1593
85	1143	1329	1425

Lumens Per Zone

Zone	Lumens
0-10	128.71
10-20	370.14
20-30	566.03
30-40	691.15
40-50	729.56
50-60	676.96
60-70	531.58
70-80	326.73
80-90	108.43

Candela Tabulation

0	1	2	3	4	5	6	7	8	9
0	1359.387	1351.020	1299.140	1206.900	1075.440	911.160	716.550	502.460	287.690
10	1351.020	1299.140	1206.900	1075.440	911.160	716.550	502.460	287.690	147.080
20	1299.140	1206.900	1075.440	911.160	716.550	502.460	287.690	147.080	74.080
30	1206.900	1075.440	911.160	716.550	502.460	287.690	147.080	74.080	37.080
40	1075.440	911.160	716.550	502.460	287.690	147.080	74.080	37.080	18.540
50	911.160	716.550	502.460	287.690	147.080	74.080	37.080	18.540	9.270
60	716.550	502.460	287.690	147.080	74.080	37.080	18.540	9.270	4.635
70	502.460	287.690	147.080	74.080	37.080	18.540	9.270	4.635	2.318
80	287.690	147.080	74.080	37.080	18.540	9.270	4.635	2.318	1.159
90	147.080	74.080	37.080	18.540	9.270	4.635	2.318	1.159	0.579

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

Cone of Light			
2	340	6.3	6.7
4	85	12.6	13.3
6	37.8	18.9	20
8	21.2	25.2	26.7
10	13.6	31.5	33.4
12	9.44	37.8	40
(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	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%	
ROOM CAVITY RATIO	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	101	99	99	99	
	1	108	103	98	94	105	101	96	93	96	93	90	92	89	87	88	86	84	82	82	82	82	
	2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	67	67	67	67	
	3	89	78	70	63	86	76	69	62	73	67	61	70	65	60	68	63	59	56	56	56	56	
	4	81	69	60	53	79	68	59	53	65	58	52	62	56	51	60	55	50	48	48	48	48	
	5	75	61	52	45	72	60	52	45	58	50	45	56	49	44	54	48	43	41	41	41	41	
	6	69	55	46	40	67	54	46	39	52	45	39	50	44	38	49	43	38	36	36	36	36	
	7	64	50	41	35	62	49	41	35	47	40	34	46	39	34	44	38	34	32	32	32	32	
	8	59	46	37	31	58	45	37	31	43	36	31	42	35	30	41	35	30	28	28	28	28	
	9	55	42	33	28	54	41	33	28	40	33	27	39	32	27	38	32	27	25	25	25	25	
10	52	38	30	25	51	38	30	25	37	30	25	36	29	25	35	29	25	23	23	23	23		

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

24-LITE-LED-2-5000L-DIM10-MVOLT-40K-85

INPUT WATTS: **58.5**

LUMENS: **4853**

CRI: **85**

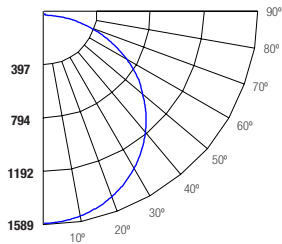
EFFICACY: **83**

CCT: **4000K**

TEST NO.: **EL10101950**

SPACING CRITERIA: **1.40**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	582.15	12.00	12.00
0-30	1242.56	25.60	25.60
0-40	2048.82	42.20	42.20
0-60	3684.79	75.90	75.90
0-80	4684.98	96.50	96.50
0-90	4811.03	99.10	99.10

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	2016	2047	2136
55	1955	1993	2102
65	1856	1891	2022
75	1732	1753	1868
85	1294	1501	1667

Lumens Per Zone

Zone	Lumens
0-10	150.17
10-20	431.98
20-30	660.41
30-40	806.26
40-50	849.56
50-60	786.41
60-70	619.80
70-80	380.39
80-90	126.05

Candela Tabulation

0	1	2	3	4	5	6	7	8	9
0	1586.058	1575.080	1514.470	1405.820	1252.510	1060.490	834.310	583.660	333.570
10	1575.080	1514.470	1405.820	1252.510	1060.490	834.310	583.660	333.570	183.900
20	1514.470	1405.820	1252.510	1060.490	834.310	583.660	333.570	183.900	92.500
30	1405.820	1252.510	1060.490	834.310	583.660	333.570	183.900	92.500	46.250
40	1252.510	1060.490	834.310	583.660	333.570	183.900	92.500	46.250	23.125
50	1060.490	834.310	583.660	333.570	183.900	92.500	46.250	23.125	11.562
60	834.310	583.660	333.570	183.900	92.500	46.250	23.125	11.562	5.781
70	583.660	333.570	183.900	92.500	46.250	23.125	11.562	5.781	2.890
80	333.570	183.900	92.500	46.250	23.125	11.562	5.781	2.890	1.445
90	183.900	92.500	46.250	23.125	11.562	5.781	2.890	1.445	0.722

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

Cone of Light			
2	397	6.3	6.7
4	99.1	12.6	13.3
6	44.1	18.9	20
8	24.8	25.2	26.7
10	15.9	31.5	33.4
12	11	37.8	40
(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	80%				70%				50%				30%				10%				0%
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%			
ROOM CAVITY RATIO	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99			
	1	108	103	98	94	105	101	96	93	96	93	90	92	89	87	88	86	84	82			
	2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	67			
	3	89	78	70	63	86	76	69	62	73	67	61	70	65	60	68	63	59	56			
	4	81	69	60	53	79	68	59	53	65	58	52	62	56	51	60	55	50	48			
	5	75	61	52	45	72	60	52	45	58	50	45	56	49	44	54	48	43	41			
	6	69	55	46	40	67	54	46	39	52	45	39	51	44	38	49	43	38	36			
	7	64	50	41	35	62	49	41	35	47	40	34	46	39	34	45	38	34	32			
	8	59	46	37	31	58	45	37	31	43	36	31	42	35	30	41	35	30	28			
	9	55	42	33	28	54	41	33	28	40	33	27	39	32	27	38	32	27	25			
10	52	39	30	25	51	38	30	25	37	30	25	36	29	25	35	29	25	23				