

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
6000	5930	71 W
5000	4973	57 W
4000	4225	47 W

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

FEATURES

The luminaire mimics the appearance of a skylight, with its unique concave design, providing a soft, subtle, and contemporary look that complements any space. The luminaires can be grouped together in various patterns, giving the space a playful take on the visual experience. The glare-free illumination, 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



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 pixonation, 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-4-5000L-DIM10-MVOLT-30K-85**

24	LITE	LED-4								
FIXTURE SIZE	SERIES	TYPE	LUMENS	DIMMING	VOLTAGE	CCT	CRI	EMERGENCY	OTHER OPTIONS	
24 - 2' X4'	LITE - Fully Illuminated LED Troffer	LED-4	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-4-4000L-DIM10-MVOLT-40K-85

TEST NO.: EL08051904

INPUT WATTS: 47.3

LUMENS: 4225

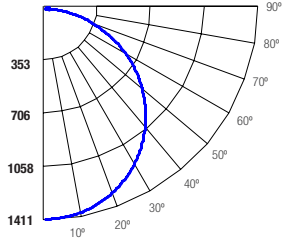
CRI: 85

EFFICACY: 89

CCT: 4000K

SPACING CRITERIA: 1.40

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	516.20	12.20	12.20
0-30	1100.18	26.00	26.00
0-40	1810.8	42.90	42.90
0-60	3245.78	76.80	76.80
0-80	4090.9	96.80	96.80
0-90	4184.79	99.00	99.00

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	1877	1802	1802
55	1843	1739	1736
65	1763	1620	1626
75	1581	1384	1469
85	1149	987	1198

Lumens Per Zone

Zone	Lumens
0-10	133.28
10-20	382.92
20-30	583.98
30-40	710.61
40-50	746.42
50-60	688.56
60-70	532.55
70-80	312.57
80-90	93.89

Candela Tabulation

0	
0	1407.95
5	1402.93
15	1361.99
25	1278.08
35	1151.94
45	987.41
55	786.36
65	554.25
75	304.41
85	74.50
90	8.72

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%	0%		
0	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	101	101	101	99	99	99	99		
1	108	103	99	95	105	101	97	93	96	93	90	92	90	87	89	86	84	84	82	82	82	82		
2	98	90	83	77	95	88	81	76	84	79	74	81	76	72	77	74	70	68	68	68	68	68		
3	89	79	70	64	87	77	69	63	74	67	62	71	65	60	68	63	59	57	57	57	57	57		
4	82	69	60	54	79	68	60	53	65	58	52	63	57	51	61	55	51	48	48	48	48	48		
5	75	62	53	46	73	61	52	46	58	51	45	56	50	45	54	49	44	42	42	42	42	42		
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	49	43	39	36	36	36	36	36		
7	64	50	41	35	62	50	41	35	48	40	35	46	40	34	45	39	34	32	32	32	32	32		
8	60	46	37	31	58	45	37	31	44	36	31	42	36	31	41	35	30	29	29	29	29	29		
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	38	32	27	26	26	26	26	26		
10	52	39	31	26	51	38	31	25	37	30	25	36	30	25	35	29	25	23	23	23	23	23		

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

Cone of Light

Beam Dia. (ft)	Initial Footcandle at Nadir	Beam Vert. Spread	Beam Horiz. Spread
2	352	6.5	6.1
4	88	13	12.2
6	39.1	19.6	18.3
8	22	26.1	24.4
10	14.1	32.6	30.4
12	9.78	39.1	36.5

(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.

24-LITE-LED-4-5000L-DIM10-MVOLT-40K-85

TEST NO.: EL08051905

INPUT WATTS: 57.1

LUMENS: 4973

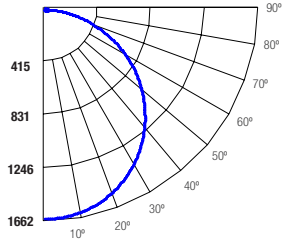
CRI: 85

EFFICACY: 87

CCT: 4000K

SPACING CRITERIA: 1.40

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	608.15	12.20	12.20
0-30	1296.18	26.10	26.10
0-40	2133.31	42.90	42.90
0-60	3819.2	76.80	76.80
0-80	4814.64	96.80	96.80
0-90	4925.22	99.00	99.00

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	2125	2233	2206
55	2055	2201	2167
65	1927	2131	2069
75	1731	1986	1861
85	1393	1942	1329

Lumens Per Zone

Zone	Lumens
0-10	157.04
10-20	451.11
20-30	688.03
30-40	837.13
40-50	878.40
50-60	807.48
60-70	627.49
70-80	367.95
80-90	110.58

Candela Tabulation

0	
0	1659.191
5	1653.770
15	1594.120
25	1482.740
35	1320.320
45	1117.600
55	876.820
65	605.840
75	333.350
85	90.290
90	5.290

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%	0%		
0	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	101	101	101	99	99	99	99		
1	108	103	99	95	105	101	97	93	96	93	90	92	90	87	89	86	84	84	82	82	82	82		
2	98	90	83	77	95	88	81	76	84	79	74	81	76	72	77	74	70	68	68	68	68	68		
3	89	79	70	64	87	77	69	63	74	67	62	71	65	60	68	63	59	57	57	57	57	57		
4	82	69	60	54	79	68	60	53	65	58	52	63	57	52	61	55	51	48	48	48	48	48		
5	75	62	53	46	73	61	52	46	58	51	45	56	50	45	54	49	44	42	42	42	42	42		
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	49	43	39	36	36	36	36	36		
7	64	50	42	35	62	50	41	35	48	40	35	46	40	34	45	39	34	32	32	32	32	32		
8	60	46	37	31	58	45	37	31	44	36	31	42	36	31	41	35	31	29	29	29	29	29		
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	38	32	27	26	26	26	26	26		
10	52	39	31	26	51	38	31	25	37	30	25	36	30	25	35	29	25	23	23	23	23	23		

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

Cone of Light

Beam Dia. (ft)	Initial Footcandle at Nadir	Beam Vert. Spread	Beam Horiz. Spread
2	415	6.5	6.1
4	104	13	12.2
6	46.1	19.6	18.3
8	25.9	26.1	24.4
10	16.6	32.6	30.4
12	11.5	39.1	36.5

(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.

24-LITE-LED-4-6000L-DIM10-MVOLT-40K-85

TEST NO.: EL08051906

INPUT WATTS: 71.5

LUMENS: 5930

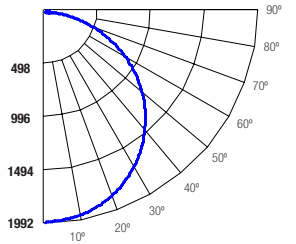
CRI: 85

EFFICACY: 83

CCT: 4000K

SPACING CRITERIA: 1.40

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	726.21	12.20	12.20
0-30	1547.74	26.10	26.10
0-40	2547.18	43.00	43.00
0-60	4556.01	76.80	76.80
0-80	5741.92	96.80	96.80
0-90	5873.43	99.00	99.00

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	2642	2540	2534
55	2593	2457	2445
65	2483	2295	2291
75	2209	1949	2032
85	1632	1361	1658

Lumens Per Zone

Zone	Lumens
0-10	187.52
10-20	538.69
20-30	821.53
30-40	999.44
40-50	1048.54
50-60	960.29
60-70	747.77
70-80	438.13
80-90	131.51

Candela Tabulation

0	
0	1981.101
5	1974.820
15	1917.080
25	1799.010
35	1621.820
45	1389.550
55	1106.370
65	780.510
75	425.410
85	105.820
90	12.610

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%	0%		
0	119	119	119	119	116	116	116	116	111	111	111	111	106	10										