

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
10000	9061	70 W
8000	8572	67 W
7000	7089	56 W
6000	6061	46 W
5000	5475	36 W

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

FEATURES

The OT-LED blends the traditional look of an architectural volumetric troffer with a center acrylic diffuser, resulting in unmatched optical performance that delivers the latest in LED technology and lens innovation. The integrated LEDs are strategically angled behind the center indirect acrylic diffuser to maximize lumen output and provide even illumination across the full face of the luminaire. The consistency of the volumetric effect results in optimized visual comfort, enhancing the quality of illumination. The combination of energy savings and optical performance creates the ideal choice for educational, medical, office and retail spaces.

LUMENS	5000, 6000, 7000, 8000, 10000
CCT & DYNAMIC PLATFORMS	30K, 35K, 40K, 50K
CRI	85+
COLOR QUALITY	3 Step MacAdam Ellipse
SIZE	2'x2', 2'x4', 1'x4'
MOUNTING	Recessed
DIMMING & CONTROL	0-10V Flicker Free 1% Dimming Standard (DIM10), LUTH, LUT2W, 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 116,000 and L80 at 72,000 hours
PHOTOMETRIC TESTS	In Accordance with IES LM79-08, LM80 and TM-30, TM-21



MAINTENANCE

The center acrylic diffuser can be removed, 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 OT-LED uses a prismatic acrylic lens to scatter the light emitted from the LED chips into functional light. The LED offered in the OT-LED has the highest return on initial investment compared to other standard lighting solutions. Lens is attached to a door frame which is easily pivoted and removable without the use of tools.

CONSTRUCTION

Body is constructed of heavy-duty 20-gauge cold rolled steel gasketed, 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)

LISTINGS

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

Listed for DLC, California Title 24 compliant.

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

24	OT	LED									
FIXTURE SIZE	SERIES	TYPE	LUMENS	DIMMING	VOLTAGE	CCT	CRI		EMERGENCY	OTHER OPTIONS	
24 - 2' X 4'	OT	LED	5000L - 5000 lumens 6000L - 6000 lumens 7000L - 7000 lumens 8000L - 8000 lumens 10000L - 10000 lumens	DIM10 - 0-10V Dimming DIMST - Step Dimming LUTH - Lutron HiLume LUT2W - Lutron 2Wire ELDO10.1 - EldoLED 0-10V DALI - EldoLED DALI ELDODMX - EldoLED DMX	MVOLT 347* 120 277	30K 35K 40K 50K	85		O-EMG-LED-10W O-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 24-FA-DF - Flushed Aluminum Door Frame	
					*Consult factory for details					A12-A12(Standard) A125 - #12 pattern acrylic .125" thick A19-A19 A-SFW-Smooth Frosted White A12-INV- Inverted Lens	

LUT2W are available in 120V only LUT2W up to 4000L
LUTH, ELDO10.-1, ELDODALI.-1, and ELDODMX.-1 are available in 120V and 277V
-Reference last page for Control Options

24-OT-LED-5000L-DIM10-MVOLT-40K-85

INPUT WATTS: 36.6

LUMENS: 5475

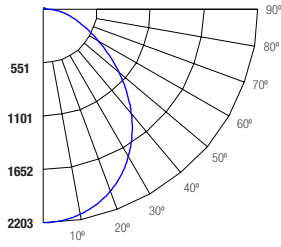
CRI: 85

EFFICACY: 150

CCT: 4000K

TEST NO.: EL011995

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	1674.84	N.A.	30.60
0-40°	2686.91	N.A.	49.10
0-60°	4451.08	N.A.	81.30
0-90°	5430.32	N.A.	99.20
0-180°	5475.33	N.A.	100.00

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	2455	2336	2310
55°	2145	1986	1919
65°	1817	1622	1577
75°	1535	1389	1456
85°	1546	1318	1578

Candela Tabulation

	0	45	90
0	2200.984	2200.984	2200.984
5	2189.951	2184.728	2189.205
15	2097.050	2081.998	2088.468
25	1911.865	1884.519	1889.378
35	1638.319	1590.207	1590.362
45	1291.363	1228.718	1215.287
55	915.105	847.210	819.009
65	571.125	509.919	495.859
75	295.604	267.385	280.244
85	100.264	85.467	102.339
90	7.735	3.358	5.533

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 20% = PF

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%	50%	30%	10%	0%			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99							
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84							
2	100	92	85	80	97	90	84	79	86	81	77	83	78	75	80	76	73	71							
3	91	81	73	67	89	79	72	66	76	70	65	73	68	64	71	66	63	60							
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52							
5	77	65	56	50	75	64	56	49	61	54	49	59	53	48	58	52	48	46							
6	72	59	50	44	70	58	49	43	56	48	43	54	48	43	52	47	42	40							
7	66	53	45	39	65	53	44	39	51	44	38	49	43	38	48	42	38	36							
8	62	49	41	35	60	48	40	35	47	40	34	45	39	34	44	38	34	32							
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29							
10	54	42	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26							

Spacing Criteria

0-180 : 1.22
 90-270 : 1.20
 Diagonal : 1.30

EFFICACY: 150 LM/W

24-OT-LED-6000L-DIM10-MVOLT-40K-85

INPUT WATTS: 46.6

LUMENS: 5812

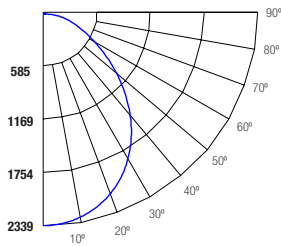
CRI: 85

EFFICACY: 125

CCT: 4000K

TEST NO.: EL011995

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	1777.91	N.A.	30.60
0-40°	2852.26	N.A.	49.10
0-60°	4724.99	N.A.	81.30
0-90°	5764.49	N.A.	99.20
0-180°	5812.27	N.A.	100.00

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	2606	2480	2452
55°	2277	2108	2038
65°	1928	1722	1674
75°	1630	1474	1545
85°	1642	1399	1676

Candela Tabulation

	0	45	90
0	2336.429	2336.429	2336.429
5	2324.718	2319.173	2323.926
15	2226.099	2210.121	2216.989
25	2029.518	2000.489	2005.648
35	1739.138	1688.066	1688.230
45	1370.831	1304.332	1290.074
55	971.419	899.346	869.410
65	606.271	541.298	526.373
75	313.795	283.840	297.489
85	106.434	90.727	108.636
90	8.211	3.565	5.873

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 20% = PF

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%	50%	30%	10%	0%			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99							
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84							
2	100	92	85	80	97	90	84	79	86	81	77	83	78	75	80	76	73	71							
3	91	81	73	67	89	79	72	66	76	70	65	73	68	64	71	66	63	60							
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52							
5	77	65	56	50	75	64	56	49	61	54	49	59	53	48	58	52	48	46							
6	72	59	50	44	70	58	49	43	56	48	43	54	48	43	52	47	42	40							
7	66	53	45	39	65	53	44	39	51	44	38	49	43	38	48	42	38	36							
8	62	49	41	35	60	48	40	35	47	40	34	45	39	34	44	38	34	32							
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29							
10	54	42	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26							

Spacing Criteria

0-180 : 1.22
 90-270 : 1.20
 Diagonal : 1.30

EFFICACY: 125 LM/W

24-OT-LED-7000L-DIM10-MVOLT-40K-85

INPUT WATTS: 56.1

LUMENS: 7089

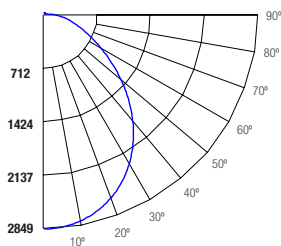
CRI: 85

EFFICACY: 126

CCT: 4000K

TEST NO.: EL011995

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	2166.96	N.A.	30.60
0-40°	3477.87	N.A.	49.10
0-60°	5762.08	N.A.	81.30
0-90°	7030.32	N.A.	99.20
0-180°	7088.99	N.A.	100.00

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	2997	3131	3220
55°	2495	2703	2839
65°	2050	2257	2430
75°	1892	1988	2075
85°	2123	2276	2152

Candela Tabulation

	0	45	90
0	2845.775	2845.775	2845.775
5	2831.464	2833.838	2833.182
15	2703.563	2717.276	2720.557
25	2447.211	2474.627	2485.840
35	2062.514	2110.484	2135.661
45	1576.270	1647.023	1693.797
55	1064.588	1153.329	1211.596
65	644.427	709.487	763.933
75	364.365	382.729	399.452
85	137.657	147.568	139.510
90	15.025	26.016	24.926

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 20% = PF

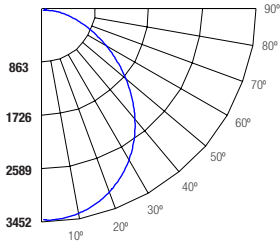
RC	RW	80%				70%				50%				30%				10%				0%			
		70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99							
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84							
2	100	92	85	80	97	90	84	79	86	81	77	83	78	75	80	76	73	71							
3	91	81	73	67	89	79	72	66	76	70	65	73	68	64	71	66	63	60							
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52							
5	77	65	56	50	75	64	56	49	61	54	49	59	53	48	58	52	48	46							
6	72	59	50	44	70	58	49	43	56	48	43	54	48	43	52	47	42	40							
7	66	53	45	39	65	53	44	39	51	44	38	49	43	38	48	42	38	36							
8	62	49	41	35	60	48	40	35	47	40	34	45	39	34	44	38	34	32				</			

24-OT-LED-8000L-DIM10-MVOLT-40K-85

TEST NO.: **EL011994**

INPUT WATTS: **67.7** LUMENS: **8572** CRI: **85** EFFICACY: **127** CCT: **4000K**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	2620.96	N.A.	30.60
0-40°	4206.57	N.A.	49.10
0-60°	6969.63	N.A.	81.30
0-90°	8501.01	N.A.	99.20
0-180°	8572.05	N.A.	100.00

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	3844	3652	3630
55°	3356	3110	3021
65°	2863	2541	2485
75°	2393	2154	2272
85°	2429	2121	2566

Candela Tabulation

	0	45	90
0	3442.524	3442.524	3442.524
5	3430.980	3418.936	3427.491
15	3281.961	3253.727	3273.122
25	2990.666	2944.341	2962.971
35	2564.405	2486.025	2497.530
45	2022.112	1921.025	1909.608
55	1431.996	1327.145	1289.259
65	900.130	798.778	781.168
75	460.835	414.756	437.374
85	157.486	137.523	166.355
90	24.324	5.508	22.217

Spacing Criteria

0-180	: 1.22
90-270	: 1.20
Diagonal	: 1.30

EFFICACY: 127 LM/W

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 20% = PF

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%	50%	30%	10%	0%			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99						
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84						
2	100	92	85	80	97	90	84	79	86	81	77	83	78	75	80	76	73	71						
3	91	81	73	67	89	79	72	66	76	70	65	73	68	64	71	66	63	60						
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52						
5	77	65	56	50	75	64	56	49	61	54	49	59	53	48	58	52	48	46						
6	72	59	50	44	70	58	49	43	56	48	43	54	48	43	52	47	42	40						
7	66	53	45	39	65	52	44	39	51	44	38	49	43	38	48	42	38	36						
8	62	49	41	35	60	48	40	35	47	40	34	45	39	34	44	38	34	32						
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29						
10	54	42	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26						

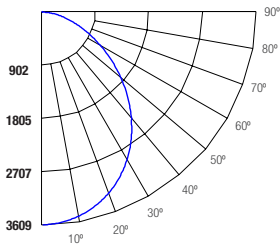
RC - Ceiling Cavity Reflectance RW - Wall Reflectance

24-OT-LED-10000L-DIM10-MVOLT-40K-85

TEST NO.: **EL011992**

INPUT WATTS: **71.2** LUMENS: **8952** CRI: **85** EFFICACY: **126** CCT: **4000K**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	2739.44	N.A.	30.60
0-40°	4397.05	N.A.	49.10
0-60°	7282.5	N.A.	81.30
0-90°	8878.08	N.A.	99.20
0-180°	8952.28	N.A.	100.00

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	3998	3792	3789
55°	3500	3206	3154
65°	2936	2617	2592
75°	2494	2236	2375
85°	2442	2222	2668

Candela Tabulation

	0	45	90
0	3597.537	3597.537	3597.537
5	3586.272	3573.724	3580.877
15	3427.540	3401.635	3420.505
25	3121.981	3074.745	3096.362
35	2668.963	2592.937	2608.379
45	2103.126	1994.713	1993.280
55	1493.441	1367.945	1345.686
65	923.069	822.856	814.863
75	480.128	430.561	457.276
85	158.357	144.070	172.979
90	16.924	5.325	22.487

Spacing Criteria

0-180	: 1.22
90-270	: 1.20
Diagonal	: 1.30

EFFICACY: 126 LM/W

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 20% = PF

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%	50%	30%	10%	0%			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99						
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84						
2	100	92	85	80	97	90	84	79	86	81	77	83	78	75	80	76	73	71						
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60						
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52						
5	77	65	56	50	75	64	56	49	62	54	49	59	53	48	58	52	48	46						
6	72	59	50	44	70	58	49	43	56	49	43	54	48	43	52	47	42	40						
7	67	53	45	39	65	53	44	39	51	44	38	49	43	38	48	42	38	36						
8	62	49	41	35	60	48	40	35	47	40	34	45	39	34	44	38	34	32						
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29						
10	54	42	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26						

RC - Ceiling Cavity Reflectance RW - Wall Reflectance