

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
6000	5450	50 W
5000	4696	43 W
4000	4047	37 W
3400	3799	26 W
2400	2394	21 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	2400, 3400, 4000, 5000, 6000
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.

Rated for Damp Location

Example: **22-OT-LED-4000L-DIM10-MVOLT-30K-85**

22	OT	LED								
FIXTURE SIZE	SERIES	TYPE	LUMENS	DIMMING	VOLTAGE	CCT	CRI		EMERGENCY	OTHER OPTIONS
22 - 2' X2'	OT	LED	2400L - 2400 lumens 3400L - 3400 lumens 4000L - 4000 lumens 5000L - 5000 lumens 6000L - 6000 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	22FK - 2'x2' Flange Kit FBF - Internal Fast Blow Fuse SBF - Internal Slow Blow Fuse RIS - Radio Interference Suppressor USA - Made in America Compliance 22ALDF - Flushed Aluminum Door Frame 1GDF - One Gasket(Standard) 2GDF - Two Gaskets 3GDF - Three Gaskets

*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

22-OT-LED-2400L-DIM10-MVOLT-40K-85

INPUT WATTS: 21.8

LUMENS: 2394

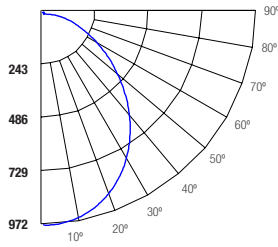
CRI: 85

EFFICACY: 110

CCT: 4000K

TEST NO.: EL0119154

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	733.50	30.60	30.60
0-40°	1171.36	48.90	48.90
0-60°	1930.44	80.60	80.60
0-90°	2367.99	98.90	98.90
0-180°	2394.43	100.00	100.00

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	2047	2059	2103
55°	1808	1803	1821
65°	1577	1530	1564
75°	1414	1406	1474
85°	1526	1473	1718

Candela Tabulation

	0	45	90
0	970.341	970.341	970.341
5	964.670	966.440	966.440
15	916.620	920.580	925.490
25	822.870	829.020	840.090
35	691.680	697.580	713.130
45	538.310	541.450	553.090
55	385.760	384.610	388.600
65	247.920	240.460	245.890
75	136.140	135.400	141.910
85	49.480	47.760	55.680
90	3.620	3.090	6.590

Spacing Criteria

0-180	: 1.18
90-270	: 1.22
Diagonal	: 1.28

EFFICACY: 110 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	110	110	110	106	106	106	101	101	101	101	99	99	99	99			
1	109	104	100	96	106	102	98	95	97	94	91	88	86	81	76	73	74	79	76	73	70	70			
2	99	91	85	79	97	89	83	78	86	81	76	73	68	63	59	55	52	47	45	45	45				
3	91	81	73	67	88	79	72	66	76	70	65	63	58	53	50	47	42	40	38	36	34	32			
4	84	72	64	57	81	71	63	57	68	61	56	53	49	45	42	39	36	34	32	30	28	26			
5	77	65	56	50	75	64	55	49	61	54	49	45	42	39	36	34	32	30	28	26	24	22			
6	71	59	50	44	70	58	49	43	56	48	43	39	36	34	32	30	28	26	24	22	20	18			
7	66	53	45	39	65	52	44	39	51	44	39	36	34	32	30	28	26	24	22	20	18	16			
8	62	49	40	35	60	48	40	35	47	39	34	31	29	27	25	23	21	19	17	15	13	11			
9	58	45	37	31	57	44	37	31	43	36	31	28	26	24	22	20	18	16	14	12	10	8			
10	54	41	34	29	53	41	34	29	40	33	28	25	23	21	19	17	15	13	11	9	7	5			

RC - Ceiling Cavity Reflectance RW - Wall Reflectance

22-OT-LED-3400L-DIM10-MVOLT-40K-85

INPUT WATTS: 26.3

LUMENS: 3799

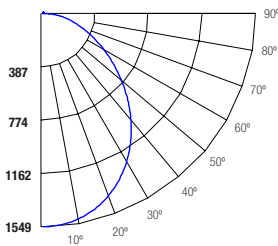
CRI: 85

EFFICACY: 144

CCT: 4000K

TEST NO.: EL0119100

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	1161.9	N.A.	30.60
0-40°	1856.47	N.A.	48.90
0-60°	3060.86	N.A.	80.60
0-90°	3756.66	N.A.	98.90
0-180°	3799.02	N.A.	100.00

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	3191	3171	3290
55°	2773	2722	2792
65°	2439	2332	2401
75°	2216	2104	2250
85°	2382	2071	2474

Candela Tabulation

	0	45	90
0	1546.263	1546.263	1546.263
5	1532.908	1533.090	1537.341
15	1449.500	1452.711	1469.910
25	1294.943	1300.104	1330.823
35	1083.563	1083.433	1123.707
45	839.280	833.963	865.397
55	591.552	580.723	595.660
65	383.331	366.652	377.416
75	213.317	202.566	216.606
85	77.220	67.145	80.210
90	4.342	2.366	4.056

Spacing Criteria

0-180	: 1.16
90-270	: 1.20
Diagonal	: 1.28

EFFICACY: 144 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	110	110	110	106	106	106	101	101	101	101	99	99	99	99			
1	109	104	100	96	106	102	98	95	97	94	91	88	86	81	76	73	74	79	76	73	70	70			
2	99	91	85	79	97	89	83	78	86	81	76	73	68	63	59	55	52	47	45	45	45				
3	91	81	73	67	88	79	72	66	76	70	65	63	58	53	50	47	42	40	38	36	34	32			
4	84	72	64	57	81	71	63	57	68	61	56	53	49	45	42	39	36	34	32	30	28	26			
5	77	65	56	50	75	64	55	49	61	54	49	45	42	39	36	34	32	30	28	26	24	22			
6	71	59	50	44	69	58	49	43	56	48	43	39	36	34	32	30	28	26	24	22	20	18			
7	66	53	45	39	65	52	44	39	51	44	39	36	34	32	30	28	26	24	22	20	18	16			
8	62	49	40	35	60	48	40	35	47	39	34	31	29	27	25	23	21	19	17	15	13	11			
9	58	45	37	31	57	44	37	31	43	36	31	28	26	24	22	20	18	16	14	12	10	8			
10	54	41	34	29	53	41	34	29	40	33	28	25	23	21	19	17	15	13	11	9	7	5			

RC - Ceiling Cavity Reflectance RW - Wall Reflectance

22-OT-LED-4000L-DIM10-MVOLT-40K-85

INPUT WATTS: 37.1

LUMENS: 4047

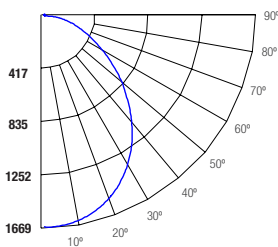
CRI: 85

EFFICACY: 109

CCT: 4000K

TEST NO.: EL011999

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	1250.61	N.A.	30.90
0-40°	1992.09	N.A.	49.20
0-60°	3274.7	N.A.	80.90
0-90°	4003.21	N.A.	98.90
0-180°	4047.43	N.A.	100.00

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	3423	3418	3556
55°	2967	2929	3010
65°	2571	2468	2549
75°	2358	2244	2414
85°	2350	2110	2508

Candela Tabulation

	0	45	90
0	1665.560	1665.560	1665.560
5	1654.442	1655.093	1658.232
15	1563.126	1570.437	1588.218
25	1395.210	1406.455	1439.787
35	1165.779	1173.129	1215.735
45	900.212	898.920	935.257
55	632.941	624.969	642.243
65	404.227	388.016	400.705
75	226.962	216.062	232.417
85	76.177	68.416	81.316
90	2.881	2.440	3.082

Spacing Criteria

0-180	: 1.16
90-270	: 1.20
Diagonal	: 1.28

EFFICACY: 109 LM/W

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 20% = PF

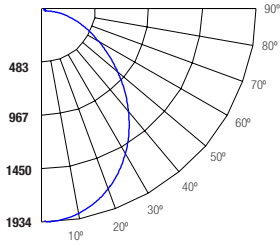
RC	RW	80%				70%				50%				30%				10%				0%			
		70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	101	99	99	99	99			
1	109	104	100	96	106	102	98	95	97	94	92	93	91	89	90	88	86	84	80	80	80	80			
2	100	92	85	80	97	90	84	79	86	81	77	83	78	75	79	76	73	71	71	71	71				
3	91	81	73	67	89	79	72	66	76	70	65	63	58	53	50	47	42	40	38	36	34	32			
4	84	72	64	57	81	71	63																		

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

TEST NO.: **EL011998**

INPUT WATTS: **43.4** LUMENS: **4696** CRI: **85** EFFICACY: **108** CCT: **4000K**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	1447.31	N.A.	30.80
0-40°	2307.29	N.A.	49.10
0-60°	3795.47	N.A.	80.80
0-90°	4645.67	N.A.	98.90
0-180°	4695.88	N.A.	100.00

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
0°			
45°	3973	3958	4043
55°	3432	3372	3421
65°	2943	2824	2895
75°	2689	2555	2734
85°	2458	2302	2741

Candela Tabulation

	0	45	90
0	1923.951	1923.951	1923.951
5	1919.184	1914.854	1913.539
15	1814.611	1814.621	1824.163
25	1620.710	1624.915	1647.197
35	1354.915	1356.134	1387.046
45	1044.989	1041.072	1063.354
55	732.269	719.414	729.917
65	462.710	443.971	455.107
75	258.845	245.962	263.194
85	79.680	74.640	88.858
90	2.669	2.842	3.466

Spacing Criteria

0-180 : **1.18**
90-270 : **1.20**
Diagonal : **1.28**

EFFICACY: 108 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	97	94	92	93	91	89	90	88	86	84						
2	99	92	85	79	97	90	84	78	86	81	76	82	78	75	79	76	73	71						
3	91	81	73	67	89	79	72	66	76	70	65	73	68	64	71	66	62	60						
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	63	58	54	52						
5	77	65	56	50	75	64	56	49	61	54	49	59	53	48	57	52	48	45						
6	72	59	50	44	70	58	49	44	56	48	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	32	57	44	37	31	43	36	31	42	36	31	41	35	31	29						
10	55	42	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26						

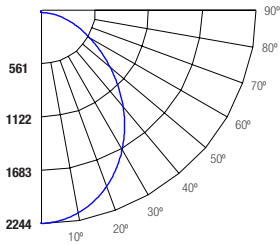
RC - Ceiling Cavity Reflectance RW - Wall Reflectance

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

TEST NO.: **EL011997**

INPUT WATTS: **50.7** LUMENS: **5450** CRI: **85** EFFICACY: **107** CCT: **4000K**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	1681.94	N.A.	30.90
0-40°	2681.03	N.A.	49.20
0-60°	4406.51	N.A.	80.90
0-90°	5390.69	N.A.	98.90
0-180°	5449.82	N.A.	100.00

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
0°			
45°	4594	4552	4694
55°	3964	3850	3979
65°	3405	3237	3368
75°	3096	2911	3180
85°	2851	2447	3189

Candela Tabulation

	0	45	90
0	2236.674	2236.674	2236.674
5	2225.583	2222.528	2222.381
15	2103.407	2103.143	2118.603
25	1877.473	1881.201	1913.468
35	1567.934	1564.996	1612.342
45	1208.327	1197.269	1234.494
55	845.704	821.441	848.915
65	535.229	508.769	529.421
75	298.080	280.210	306.093
85	92.437	79.339	103.378
90	3.133	3.367	4.138

Spacing Criteria

0-180 : **1.18**
90-270 : **1.20**
Diagonal : **1.28**

EFFICACY: 107 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	97	94	92	93	91	89	90	88	86	84						
2	99	92	85	79	97	90	84	78	86	81	76	82	78	75	79	76	73	71						
3	91	81	73	67	89	79	72	66	76	70	65	73	68	64	71	66	62	60						
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	58	54	52						
5	77	65	56	50	75	64	56	49	61	54	49	59	53	48	57	52	48	45						
6	72	59	50	44	70	58	49	44	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	32	57	44	37	31	43	36	31	42	36	31	41	35	31	29						
10	55	42	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26						

RC - Ceiling Cavity Reflectance RW - Wall Reflectance