

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
6000	5897	50 W
5000	5174	43 W
4000	4452	37 W
3400	3415	30 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	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.
 Damp location rated.

Example: **14-OT-LED-4000L-DIM10-MVOLT-30K-85**

14	OT	LED									
FIXTURE SIZE	SERIES	TYPE	LUMENS	DIMMING	VOLTAGE	CCT	CRI		EMERGENCY	OTHER OPTIONS	
14 - 1' X4'	OT	LED	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	14FK - 1'x4' Flange Kit FBF - Internal Fast Blow Fuse SBF - Internal Slow Blow Fuse RIS - Radio Interference Suppressor USA - Made in America Compliance 14ALDF - Flushed Aluminum Door Frame	

*Consult factory for details

A12-A12(Standard)
A19-A19
A-SFW-Smooth Frosted White
A12-INV- Inverted Lens

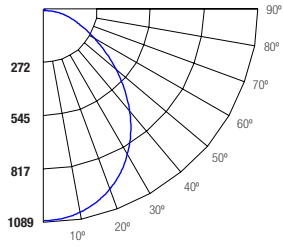
LUT2W are available in 120V only LUT2W up to 5000L
 LUTH, ELDO10-1, ELDODALI-1, and ELDODMX-1 are available in 120V and 277V
 -Reference last page for Control Options

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

TEST NO.: **EL011995**

INPUT WATTS: **22.1** LUMENS: **2708** CRI: **85** EFFICACY: **123** CCT: **4000K**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	828.22	N.A.	30.60
0-40°	1328.69	N.A.	49.10
0-60°	2201.08	N.A.	81.30
0-90°	2685.32	N.A.	99.20
0-180°	2707.58	N.A.	100.00

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	2428	2310	2285
55°	2121	1964	1898
65°	1797	1604	1560
75°	1518	1373	1440
85°	1529	1304	1561

Candela Tabulation

	0	45	90
0	1088.399	1088.399	1088.399
5	1082.943	1080.360	1082.574
15	1037.002	1029.559	1032.759
25	945.427	931.905	934.308
35	810.157	786.366	786.442
45	638.586	607.608	600.966
55	452.524	418.950	405.004
65	282.424	252.157	245.205
75	146.178	132.223	138.582
85	49.581	42.264	50.607
90	3.825	1.660	2.736

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%	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	94	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		

Spacing Criteria

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

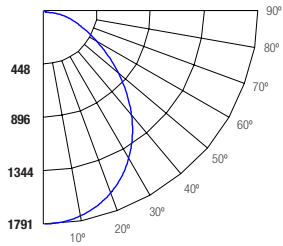
EFFICACY: 123 LM/W

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

TEST NO.: **EL011995**

INPUT WATTS: **37.1** LUMENS: **4452** CRI: **85** EFFICACY: **120** CCT: **4000K**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	1361.96	N.A.	30.60
0-40°	2184.96	N.A.	49.10
0-60°	3619.56	N.A.	81.30
0-90°	4415.86	N.A.	99.20
0-180°	4452.47	N.A.	100.00

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	3993	3799	3757
55°	3488	3229	3122
65°	2954	2638	2565
75°	2497	2259	2367
85°	2515	2144	2567

Candela Tabulation

	0	45	90
0	1789.811	1789.811	1789.811
5	1780.840	1776.592	1780.233
15	1705.293	1693.053	1698.315
25	1554.703	1532.466	1536.418
35	1332.259	1293.135	1293.261
45	1050.119	999.178	988.255
55	744.151	688.940	666.007
65	464.431	414.659	403.226
75	240.382	217.434	227.890
85	81.533	69.501	83.220
90	6.290	2.731	4.499

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%	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	94	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	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**

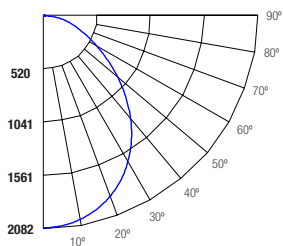
EFFICACY: 120 LM/W

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

TEST NO.: **EL011995**

INPUT WATTS: **43.6** LUMENS: **5174** CRI: **85** EFFICACY: **119** CCT: **4000K**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	1582.82	N.A.	30.60
0-40°	2539.28	N.A.	49.10
0-60°	4206.51	N.A.	81.30
0-90°	5131.95	N.A.	99.20
0-180°	5174.49	N.A.	100.00

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	4640	4415	4367
55°	4054	3753	3628
65°	3434	3066	2981
75°	2902	2625	2751
85°	2923	2492	2983

Candela Tabulation

	0	45	90
0	2080.051	2080.051	2080.051
5	2069.624	2064.688	2068.919
15	1981.827	1967.603	1973.717
25	1806.817	1780.974	1785.566
35	1548.301	1502.833	1502.979
45	1220.409	1161.206	1148.513
55	864.825	800.660	774.009
65	539.745	481.901	468.614
75	279.362	252.694	264.846
85	94.755	80.771	96.716
90	7.310	3.173	5.229

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%	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	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																			

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

TEST NO.: EL011995

INPUT WATTS: **50.6**

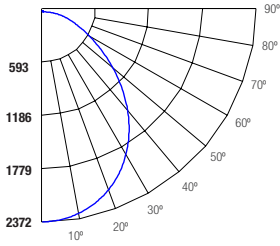
LUMENS: **5897**

CRI: **85**

EFFICACY: **117**

CCT: **4000K**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	1803.68	N.A.	30.60
0-40°	2893.6	N.A.	49.10
0-60°	4793.47	N.A.	81.30
0-90°	5848.04	N.A.	99.20
0-180°	5896.51	N.A.	100.00

Luminance Data (cd/sq.m)

Angle In Degrees	Average		
	0°	45°	90°
45°	5288	5031	4976
55°	4619	4276	4134
65°	3913	3493	3397
75°	3307	2991	3135
85°	3331	2839	3400

Candela Tabulation

	0	45	90
0	2370.291	2370.291	2370.291
5	2358.409	2352.784	2357.606
15	2258.361	2242.152	2249.120
25	2058.931	2029.482	2034.715
35	1764.343	1712.530	1712.697
45	1390.698	1323.235	1308.770
55	985.498	912.380	882.010
65	615.058	549.143	534.002
75	318.343	287.953	301.801
85	107.976	92.042	110.211
90	8.330	3.616	5.958

Spacing Criteria

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

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%		
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	94	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

EFFICACY: 117 LM/W