

CALCULATED LIFETIME 83,000 HRS



The OT-LED is a high-quality yet economical troffer luminaire powered by LED lighting technology which offers the highest return on initial investment over the lifetime of the fixture. An excellent highly efficient fixture, ideal for office spaces, schools, hospitals, and many other indoor locations. Compatible with most industry standard T-bar grids.

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PRODUCT FEATURES:

- Mitered door frame prevents light leaks, and minimizes dust from entering fixture
- · Constructed of one-piece ribbed unitized housing and corners that interlock, preventing damage to luminaire
- . Door frame is designed with cam latches and T hinges to secure frame to housing and allows for easy lamp maintenance
- Frosted 0.100" thick #12 pattern acrylic lens, standard
- · Housing and door frame interface provides a superior mechanical light seal
- Post-painted with a 93% reflective white coat to improve fixture efficacy.
- · All sides and corners are turned in and hemmed, removing sharp edges for safe handling and installation
- Rated at 80+ CRI and available in multiple CCTs
- Life tested to ensure light output of L70 up to 83,000 hrs and L80 up to 50,000 hrs
- Tested to LM-79 and LM-80 standards

· LED lighting technology offers the highest return on initial investment over the lifetime of the fixture

64

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90

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• Dimmable down to 1% with compatible dimming systems

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- LED light engine is completely removable and upgradable
- · Four corner tie points are standard for safety wire support when required and built-in earthquake clips standard
- Fits into standard T-bar sizes including 5/8th, 3/8th, and slot T
- Same-day shipping on most options (Consult factory)

OPTICS - 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.

DURABILITY - Our heavy-duty 20-gauge steel housing is engineered for maximum strength and extended life. Corners interlock to prevent aesthetic damage to the fixture. Sides and corners are uniformly turned in and hemmed to remove sharp edges for safe handling and easy installation.

PERFORMANCE - The OT-LED powered lighting technologies offer a higher return on investment than any other lighting technology. The light engines found in the OT-LED are rated at 80+ CRI and available in multiple CCTs: 3000K, 3500K, 4000K and 5000K. All LEDs and LED fixtures are rated and tested to LM-79 and LM-80 standards. The LEDs are also binned to a 3-step MacAdam ellipses to achieve consistent color from fixture to fixture.

THERMAL MANAGEMENT - LED light engines are attached directly to the housing which keeps the engines cool. Our advanced thermal management system allows the light output of the LED engines to be maintained at 70% of initial lumens at 83,000 hours of operation.

DIMMING - The OT-LED comes standard with 0-10V dimming on either 120 or 277V. Dimmable down to 1% of initial lumens. Also available in Lutron dimming options. Consult factory for dimmer compatibility.

ELECTRICAL - Powered by high-quality constant-current power LED drivers which are rated for 50 to 60Hz at 120-277V input, produce less than 20% THD, and have a power factor of .90 to 1.00.

MAINTENANCE - LED engines and driver can be accessed through the bottom by removing hinged door frame and driver box cover. LED engines are removable and upgradable even after fixture installation. Fixture can be regularly and safely wiped down to ensure optimal fixture performance

OPTIONS - Fixtures can be shipped pre-installed with daylight harvesting controls, occupancy sensors, and/or power pack. Available manufacturer options include Leviton, Wattstopper, Hubble Automation, and others

QUALITY CONTROL - Every fixture is turned on and rigorously tested by our QC Department before shipping.

LISTING - ETL/C-ETL listed to US and Canadian standards

WARRANTY - Limited 5 Year Warranty

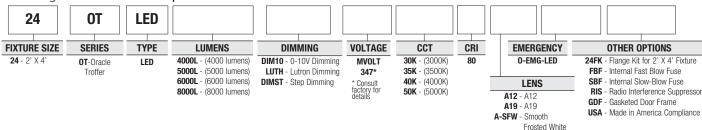








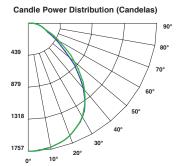
Ordering Information: Example: 24-OT-LED-4000L-DIM10-MVOLT-30K-80





24-0T-LED-4000L

LUMENS: **3999** TOTAL LUMINAIRE EFFICACY: 105 WATTAGE: 38W



Zonal Lu	Zonal Lumens Summary										
Zone	Lumens	%Lamp	%Fixt								
0-30°	1362.53	N.A.	34.10								
0-40°	2188.77	N.A.	54.70								
0-600	3465.41	N.A.	86.70								
0-90°	3999.03	N.A.	100.00								
0-180°	3999.03	N.A.	100.00								

Angle In	Average	Average	Average
Degrees	00	45⁰	90°
45°	1815	1930	1930
55⁰	1283	1466	1493
65⁰	949	884	1047
75⁰	946	738	930
85⁰	968	911	1016

Cand	ela Tabulatio	n	
	<u>0</u>	<u>45</u>	90
0	1757.289	1757.289	1757.289
5	1752.540	1750.490	1751.180
15	1697.390	1697.260	1697.120
25	1571.280	1578.920	1570.590
35	1352.600	1356.680	1345.620
45	955.010	1015.210	1015.200
55	547.490	625.690	636.850
65	298.360	278.020	329.060
75	182.180	142.010	179.090
85	62.730	59.090	65.900
90	5.260	4.510	1.830

Spacing Criteria

0-180 90-270 Diagonal

EFFICACY: 105 LM/W

Coefficients of Utilization - Zonal Cavity Method Effective Floor Cavity Reflectance 20% = PF

	RC		8	0%			70	0%			50%			30%			10%		0%
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
7	0 1 2 3 3 4 5 6 7 8 9 10	119 110 101 93 86 79 74 69 64 60 56	119 106 94 84 75 68 61 56 51 47	119 102 88 76 67 59 53 48 43 39 36	119 98 82 70 61 53 47 42 38 34 31	116 107 99 91 84 77 72 67 63 59 55	116 103 92 82 74 66 60 55 51 47 43	116 100 86 75 66 59 52 47 43 39 36	116 97 82 70 60 53 47 42 38 34 31	111 99 88 79 71 64 59 54 49 46 42	111 96 84 73 65 58 52 47 42 39 36	111 94 80 68 59 52 46 41 37 34 31	106 95 85 76 69 63 57 52 48 45 41	106 93 81 71 63 56 51 46 42 38 35	106 91 78 67 59 52 46 41 37 34 31	102 92 82 74 67 61 55 51 47 44 40	102 90 79 70 62 55 50 45 41 38 35	102 88 76 66 58 51 46 41 37 34 31	100 86 74 64 56 49 44 39 35 32 29
-	RC -	Ceiling	Cavity F	Reflecta	nce	R	N - Wal	I Reflec	tance										

24-0T-LED-8000L

WATTAGE: 90W **LUMENS: 7935** TOTAL LUMINAIRE EFFICACY: 88

Candle Power Distribution (Candelas) 873 1746 2619 3492

Zonai Li	ımens Summ	ary	
Zone	Lumens	%Lamp	%Fixt
0-30°	2708.85	N.A.	34.10
0-40°	4353.27	N.A.	54.90
0-60⁰	6880.38	N.A.	86.70
0-90°	7935.33	N.A.	100.00
0-180°	7935.33	N.A.	100.00

Angle In Degrees		Average 45°	Average 90°		
45°	3282	3694	3898		
55°	2230	2704	3032		
65⁰	1668	1578	2108		
75⁰	1670	1411	1873		
85⁰	1240	1367	2120		

Cand	ela Tabulatioi	n	
	0	<u>45</u>	90
0	3488.389	3488.389	3488.389
5	3469.720	3475.020	3480.220
15	3339.220	3361.310	3378.680
25	3060.170	3105.670	3136.670
35	2547.260	2646.980	2700.280
45	1726.430	1943.260	2050.350
55	951.630	1153.820	1293.650
65	524.380	496.040	662.760
75	321.550	271.710	360.690
85	80.370	88.650	137.470
90	3.000	3.290	3.570

Spacing Criteria

0-180 90-270 1.26 Diagonal 1.30

EFFICACY: 88 LM/W

	icients of Utilization - Zonal Cavi ive Floor Cavity Reflectance 20% =	
RC	80% 70%	

	HC 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%
	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
	1	110	106	102	99	107	104	100	97	99	96	94	95	93	91	92	90	88	86
9	2	101	94	88	83	99	92	86	82	88	84	80	85	81	78	82	79	76	74
ΑT	3	93	84	76	70	91	82	75	70	79	73	68	76	71	67	74	70	66	64
~	4	86	75	67	61	84	74	66	60	71	65	60	69	63	59	67	62	58	56
≥	5	80	68	59	53	78	67	59	53	64	58	52	63	57	52	61	55	51	49
CAVI	6	74	61	53	47	72	60	53	47	59	52	46	57	51	46	56	50	46	44
3	7	69	56	48	42	67	55	47	42	54	47	42	52	46	41	51	45	41	39
Σ	8	64	51	43	38	63	51	43	38	49	42	37	48	42	37	47	41	37	35
00M	9	60	47	40	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32
æ	10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	41	35	31	29
	RC - Ceiling Cavity Reflectance					R۱	V - Wal	l Reflec	tance										

