

CALCULATED
L70
LIFETIME
83,000 HRS

CALCULATED
L80
LIFETIME
50,000 HRS



* For list of qualified DLC fixture, please consult factory

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 this highly efficient fixture, ideal for office spaces, schools, hospitals, and many other indoor locations. Compatible with most industry standard T-bar grids.

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 85+ CRI and available in multiple CCTs

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 85+ 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.

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.

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.

- 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
- Emergency battery back-up comes pre-installed on the fixture and emergency push button is installed on the fixture for easy access and aesthetics.
- Dimmable down to 1% with compatible dimming systems
- 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)

DIMMING - The OT-LED comes standard with **DIM10**, 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. **LUTH** - Lutron Hilume Dimming down to 1% compatible with 3 wire and EcoSystem Controls available on all fixtures up to 50 Watts. **LUT2W** - Lutron 2 Wire Dimming down to 1% compatible with 2 wire and Forward Phase Control Systems available on all fixtures up to 50 Watts. **LUTFTB** - Lutron Hilume Fade to Black Dimming down to 1% compatible with EcoSystem Controls available on all fixtures up to 75 Watts. **DIMST** - Step Dimming allows fixtures to be turned on at 100% or 50% is available for fixtures up to 50 Watts. **ELDO10.1** - EldoLED SoloDrive 0-10V. Dimming down to .1%. available on all fixtures up to 100 Watts. **ELDODALI** - EldoLED PowerDrive 0-10V. Dimming down to .1%. available on all fixtures up to 100 Watts. **ELDODMX** - EldoLED PowerDrive Dimming down to .1%. available on all fixtures up to 100 Watts. Please see EldoLED website for wiring diagrams and a list of compatible DMX and Dali control systems.

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 - Suitable for Damp Location

WARRANTY - Limited 5 Year Warranty



Ordering Information: Example: 24-OT-LED-4000L-DIM10-MVOLT-30K-85

FIXTURE SIZE	SERIES	TYPE	LUMENS	DIMMING	VOLTAGE	CCT	CRI	EMERGENCY	OTHER OPTIONS
24 - 2' X 4'	OT-Oracle Troffer	LED	4000L - (4000 lumens) 5000L - (5000 lumens) 6000L - (6000 lumens) 8000L - (8000 lumens)	DIM10 - 0-10V Dimming * DIMST - Step Dimming * LUTH - Lutron Hilume * LUT2W - Lutron 2Wire LUTFTB - Lutron Fade to Black ELDO10.1 - EldoLED 0-10V ELDODALI - EldoLED DALI ELDODMX - EldoLED DMX	MVOLT 347* * Consult factory for details	30K - (3000K) 35K - (3500K) 40K - (4000K) 50K - (5000K)	85	O-EMG-LED LENS A12 - A12 A19 - A19 A-SFW - Smooth Frosted White	24FK - Flange Kit for 2' X 4' Fixture C5 - 6' 4-wire Flex Cable (Double Circuit) FS-355 - Line Voltage Motion Sensor FS-PPV2 - Fixture Sensor Power Pack MS-FM105 - HF Occupancy Sensor FBF - Internal Fast Blow Fuse SBF - Internal Slow-Blow Fuse RIS - Radio Interference Suppressor GDF - Gasketed Door Frame 24-FA-DF - Flushed Aluminum Door Frame USA - Made in America Compliance

* DIMST, LUTH and LUT2W dimming options are only available for the fixtures up to 5000 lumens.

PHOTOMETRY DATA

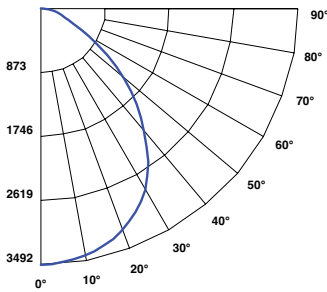
24-OT-LED-8000L-DIM10-120-40K

WATTAGE: 80

LUMENS: 7935

TOTAL LUMINAIRE EFFICACY: 99

Candle Power Distribution (Candelas)



Spacing Criteria	
0-180	: 1.22
90-270	: 1.26
Diagonal	: 1.30

EFFICACY: 99 LM/W

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	2708.85	N.A.	34.10
0-40°	4353.27	N.A.	54.90
0-60°	6880.38	N.A.	86.70
0-90°	7935.33	N.A.	100.00
0-180°	7935.33	N.A.	100.00

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	3282	3694	3898
55°	2230	2704	3032
65°	1668	1578	2108
75°	1670	1411	1873
85°	1240	1367	2120

Candela Tabulation

	0	45	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

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 20% = PF

RC RW	80%			70%			50%			30%			10%			0%		
	70%	50%	30%	70%	50%	30%	70%	50%	30%	70%	50%	30%	70%	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
2	101	94	88	83	99	92	86	82	88	84	80	85	81	78	82	79	76	74
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
6	74	61	53	47	72	60	53	47	59	52	46	57	51	46	56	50	46	44
7	69	56	48	42	67	55	47	42	54	47	42	52	46	41	51	45	41	39
8	64	51	43	38	63	51	43	38	49	42	37	48	42	37	47	41	37	35
9	60	47	40	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	41	35	31	29

RC - Ceiling Cavity Reflectance RW - Wall Reflectance

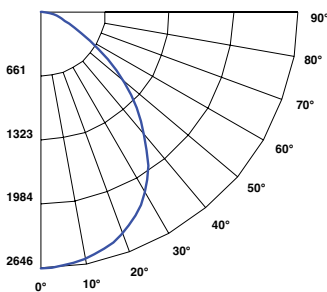
24-OT-LED-6000L-DIM10-120-40K

WATTAGE: 56

LUMENS: 6006

TOTAL LUMINAIRE EFFICACY: 107

Candle Power Distribution (Candelas)



Spacing Criteria	
0-180	: 1.22
90-270	: 1.26
Diagonal	: 1.28

EFFICACY: 107 LM/W

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	2050.31	N.A.	34.10
0-40°	3293.69	N.A.	54.80
0-60°	5206.39	N.A.	86.70
0-90°	6005.77	N.A.	100.00
0-180°	6005.77	N.A.	100.00

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	2491	2790	2947
55°	1695	2038	2294
65°	1280	1202	1597
75°	1266	1064	1418
85°	945	1006	1607

Candela Tabulation

	0	45	90
0	2642.71	2642.71	2642.71
5	2628.41	2631.41	2636.33
15	2532.04	2545.54	2557.84
25	2322.83	2351.39	2371.73
35	1935.07	2001.23	2041.40
45	1310.33	1467.62	1550.12
55	723.12	869.80	978.64
65	402.55	377.85	501.96
75	243.77	204.79	272.99
85	61.28	65.21	104.17
90	2.26	2.48	2.72

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 20% = PF

RC RW	80%			70%			50%			30%			10%			0%		
	70%	50%	30%	70%	50%	30%	70%	50%	30%	70%	50%	30%	70%	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	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	94	88	83	99	92	86	82	88	84	80	85	81	78	82	79	76	74
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	79	68	59	53	77	67	59	53	64	58	52	63	57	52	61	55	51	49
6	74	61	53	47	72	60	53	47	59	52	46	57	51	46	56	50	46	44
7	69	56	48	42	67	55	47	42	54	47	42	52	46	41	51	45	41	39
8	64	51	43	38	63	51	43	38	49	42	37	48	42	37	47	41	37	35
9	60	47	39	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	41	35	31	29

RC - Ceiling Cavity Reflectance RW - Wall Reflectance

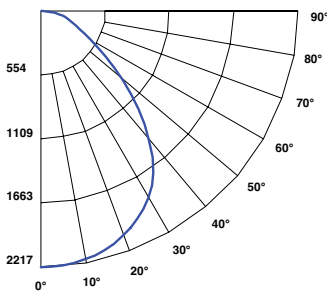
24-OT-LED-5000L-DIM10-120-40K

WATTAGE: 46

LUMENS: 5038

TOTAL LUMINAIRE EFFICACY: 110

Candle Power Distribution (Candelas)



Spacing Criteria	
0-180	: 1.26
90-270	: 1.24
Diagonal	: 1.28

EFFICACY: 110 LM/W

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	1719.22	N.A.	34.10
0-40°	2761.16	N.A.	54.80
0-60°	4366.52	N.A.	86.70
0-90°	5037.61	N.A.	100.00
0-180°	5037.61	N.A.	100.00

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	2284	2429	2433
55°	1610	1846	1882
65°	1192	1111	1306
75°	1190	930	1172
85°	1211	1163	1287

Candela Tabulation

	0	45	90
0	2217.361	2217.361	2217.361
5	2212.400	2209.260	2209.260
15	2142.920	2141.420	2140.880
25	1982.510	1991.380	1980.590
35	1703.230	1708.800	1696.240
45	1201.320	1277.480	1279.930
55	687.170	787.630	802.900
65	374.730	349.430	410.480
75	229.040	178.990	225.740
85	78.530	75.380	83.460
90	6.340	5.850	2.320

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 20% = PF

RC RW	80%			70%			50%			30%			10%			0%		
	70%	50%	30%	70%	50%	30%	70%	50%	30%	70%	50%	30%	70%	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	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	94	88	82	99	92	86	82	88	84	80	85	81	78	82	79	76	74
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	79	68	59	53	77	67	59	53	64	58	52	63	57	52	61	55	51	49
6	74	61	53	47	72	60	53	47	59	52	46	57	51	46	56	50	46	44
7	69	56	48	42	67	55	47	42	54	47	42	52	46	41	51	45	41	39
8	64	51	43	38	63	51	43	38	49	42	37	48	42	37	47	41	37	35
9	60	47	39	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	41	35	31	29

RC - Ceiling Cavity Reflectance RW - Wall Reflectance

LED 2'X4' OT

LED Recessed Troffer Luminaire

PHOTOMETRY DATA

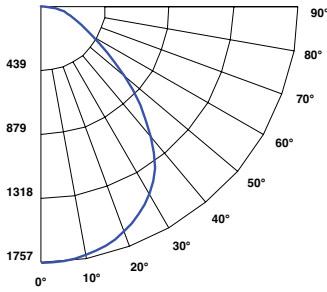
24-0T-LED-4000L-DIM10-120-40K

WATTAGE: 36

LUMENS: 3999

TOTAL LUMINAIRE EFFICACY: 111

Candle Power Distribution (Candelas)



Spacing Criteria

0-180	: 1.26
90-270	: 1.24
Diagonal	: 1.28

EFFICACY: 111 LM/W

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	1362.53	N.A.	34.10
0-40°	2188.77	N.A.	54.70
0-60°	3465.41	N.A.	86.70
0-90°	3999.03	N.A.	100.00
0-180°	3999.03	N.A.	100.00

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	1815	1930	1930
55°	1283	1466	1493
65°	949	884	1047
75°	946	738	930
85°	968	911	1016

Candela Tabulation

	0	45	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

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 20% = PF

RC RW	80%			70%				50%			30%			10%			0%	
	70%	50%	30%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	
0	119	119	119	119	116	116	116	111	111	111	106	106	106	102	102	102	100	
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
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8	64	51	43	38	63	51	43	38	49	42	37	48	42	37	47	41	37	35
9	60	47	39	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

LED
2'X4'
0T

LED Recessed Troffer Luminaire