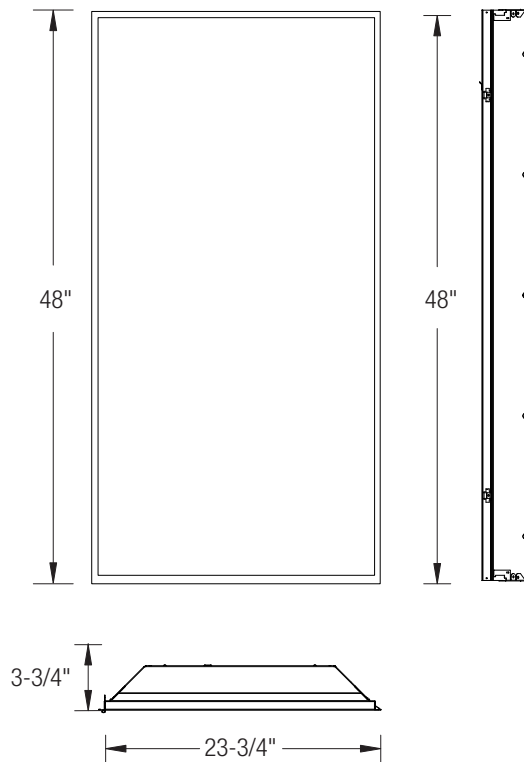




EASY 3 COLORS
SELECTOR
3500K • 4000K • 5000K



NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
5000	5236	42W
4000	4303	34W
3000	2983	24W

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	3000/4000/5000L
CCT & DYNAMIC PLATFORMS	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)
EMERGENCY	10W - Up to 1000L output (Bodine BSL310) 20W - Up to 2000L output (Bodine BSL20)
	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 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.

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-3000/4000/5000L-DIM10-MVOLT-35K/40K/50K-85**

24	OT	LED								
FIXTURE SIZE	SERIES	TYPE	LUMENS	DIMMING	VOLTAGE	CCT	CRI		EMERGENCY	OTHER OPTIONS
24 - 2' X4'	OT	LED	3000L/4000L/5000L	DIM10 - 0-10V Dimming	MVOLT	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
										A12-A12 (Standard) A125 - #12 pattern acrylic .125" thick A19-A19 A-SFW -Smooth Frosted White A12-INV - Inverted Lens

24-OT-LED-3000L-4000L-5000L-DIM10-MVOLT-35K-40K-50K-85-A12-(3000L)

TEST NO.: **EL02212257**

INPUT WATTS: **24.3**

LUMENS: **2983**

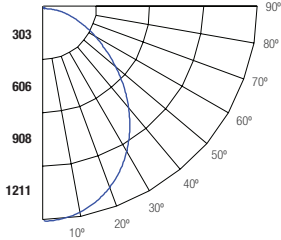
CRI: **85**

EFFICACY: **123**

CCT: **3500K**

SPACING CRITERIA: **1.28**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	436.77	14.6	14.6
0-30	912.93	30.6	30.6
0-40	1461.52	49	49
0-60	2418.38	81.1	81.1
0-80	2893.41	97	97
0-90	2957.67	99.1	99.1

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	1242	1312	1339
55	1056	1148	1184
65	898	997	1040
75	800	891	942
85	801	1021	1106

Lumens Per Zone

Zone	Lumens
0-10	114.01
10-20	322.76
20-30	476.16
30-40	548.59
40-50	527.23
50-60	429.63
60-70	299.94
70-80	175.09
80-90	64.26

Candela Tabulation

0	0
0	1208.866
5	1201.71
15	1141.08
25	1024.79
35	856.46
45	653.58
55	450.68
65	282.4
75	153.99
85	51.91
90	1.56

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

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

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

24-OT-LED-3000L-4000L-5000L-DIM10-MVOLT-35K-40K-50K-85-A12-(4000L)

TEST NO.: **EL02212257**

INPUT WATTS: **34.1**

LUMENS: **4303**

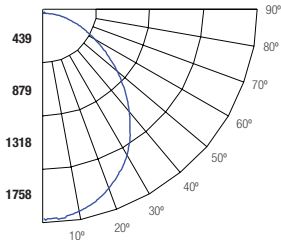
CRI: **85**

EFFICACY: **126**

CCT: **3500K**

SPACING CRITERIA: **1.28**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	630.95	14.7	14.7
0-30	1319.18	30.7	30.7
0-40	2108.75	49	49
0-60	3486.84	81	81
0-80	4172.7	97	97
0-90	4265.96	99.1	99.1

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	1804	1898	1932
55	1535	1660	1719
65	1296	1419	1487
75	1168	1290	1358
85	1199	1480	1605

Lumens Per Zone

Zone	Lumens
0-10	164.67
10-20	466.27
20-30	688.23
30-40	789.57
40-50	756.76
50-60	621.32
60-70	432.19
70-80	253.67
80-90	93.26

Candela Tabulation

0	0
0	1745.243
5	1736.3
15	1650.69
25	1483.57
35	1241.79
45	949.21
55	655.11
65	407.46
75	224.87
85	77.76
90	2.39

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

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

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

24-OT-LED-3000L-4000L-5000L-DIM10-MVOLT-35K-40K-50K-85-A12-(5000L)

TEST NO.: **EL02212257**

INPUT WATTS: **42**

LUMENS: **5236**

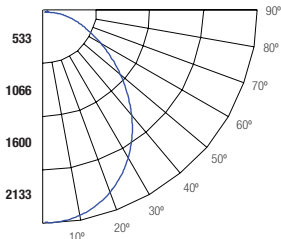
CRI: **85**

EFFICACY: **125**

CCT: **3500K**

SPACING CRITERIA: **1.28**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	769.12	14.7	14.7
0-30	1607.65	30.7	30.7
0-40	2569.01	49.1	49.1
0-60	4243.95	81.1	81.1
0-80	5078.15	97	97
0-90	5191.58	99.1	99.1

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	2197	2313	2358
55	1872	2022	2082
65	1574	1734	1803
75	1421	1573	1656
85	1450	1809	1942

Lumens Per Zone

Zone	Lumens
0-10	200.72
10-20	568.4
20-30	838.53
30-40	961.36
40-50	920.64
50-60	754.3
60-70	525.47
70-80	308.73
80-90	113.43

Candela Tabulation

0	0
0	2127.852
5	2117.19
15	2012.2
25	1808.32
35	1513.56
45	1155.71
55	798.72
65	494.71
75	273.65
85	94.03
90	2.85

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

ROOM CAVITY RATIO	RC	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	104	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99			
	1	109	104	106	106	106	102	98	95	94	94	94	94	91	89	90	88	86	84			
	2	100	92	85	79	97	90	84	78	86	81	77	83	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	55	49	61	54	49	59	53	48	58	52	48	45			
	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																	