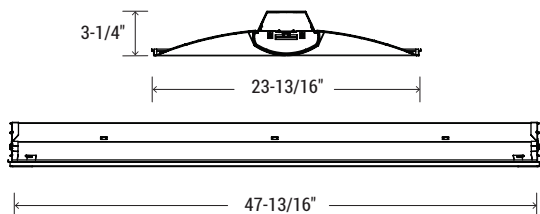


EASY 3 COLORS
SELECCTOR
3500K • 4000K • 5000K



NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
5000	5308	38 W
4000	4093	28 W
3000	3076	21 W

Based on 4000K, 85+ CRI. Actual wattage may vary +/- 5%

FEATURES

A combination of stylish design and shallow profile, coupled with innovative LED technology to deliver soft, glare-free illumination, resulting in improved visual comfort and uniform appearance. The enhancement of the volumetric effect provides increased brightness, with an aesthetically pleasing appearance and contemporary design. The energy saving features and optical performance create the ideal choice for educational, medical, office and retail spaces.

LUMENS	3000L/4000L/5000L
CCT & DYNAMIC PLATFORMS	35K/40K/50K
CRI	85+
COLOR QUALITY	3 Step MacAdam Ellipse
SIZE	2'x2', 2'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)
LIFETIME	L70 at 50,000 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 LED light engine is secured to the body of the luminaire, with the body acting as a heat sink. A proprietary design of the lens results in zero pixilation, regardless of the viewing angle, with LEDs placed to promote a uniform appearance. The result is even illumination across the space, from luminaire to luminaire.

CONSTRUCTION

Body is constructed of heavy-duty 20-gauge cold rolled steel, 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

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

24	OEVHP	LED							
FIXTURE SIZE	SERIES	TYPE	LUMENS	DIMMING	VOLTAGE	CCT	CRI	EMERGENCY	OTHER OPTIONS
24 - 2' X4'	OEVHP - LED Shallow Volumetric Troffer	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 FS-PPV2 - Fixture Sensor Power Pack FD-301 - Low Voltage Daylight Dimming Photosensor LMFC-011 - Digital Lighting Manager FS-205 - Low Voltage Pir Fixture Integrated Occupancy Sensor

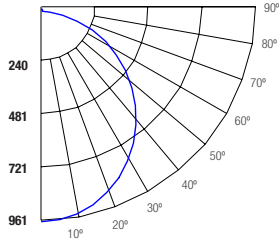
*FD-301 & FS-205 require FS-PPV2- Power Pack

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

TEST NO.: **EL12231979**

INPUT WATTS: **21.2** LUMENS: **3076** CRI: **85** EFFICACY: **145** CCT: **4000K**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	749.93	24.40	24.40
0-40°	1234.95	40.20	40.10
0-60°	2229.47	72.60	72.50
0-90°	3036.9	98.90	98.70
0-180°	3076.07	100.10	100.00

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	1160	1207	1288
55°	1104	1187	1322
65°	1038	1193	1407
75°	889	1223	1643
85°	611	1127	1724

Candela Tabulation

	0	45	90
0	961.172	961.172	961.172
5	955.650	954.420	956.060
15	915.250	915.380	922.200
25	840.080	845.270	861.660
35	735.910	749.700	778.800
45	610.290	634.860	677.740
55	471.000	506.520	564.020
65	326.190	375.010	442.510
75	171.190	235.560	316.270
85	39.590	73.080	111.800
90	3.280	2.260	2.940

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%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	101	101	99	99	99	99	
1	107	102	97	93	104	99	95	91	95	91	88	91	88	85	87	84	82	80	78	82	80	80	80	
2	97	88	80	74	94	86	79	73	82	76	71	78	74	69	75	71	68	65	63	68	65	65	65	
3	88	77	68	61	85	75	67	60	72	65	59	69	63	58	66	61	57	54	52	58	54	54	54	
4	80	68	58	51	78	66	57	51	63	56	50	61	54	49	58	53	48	46	46	53	48	48	48	
5	74	60	51	44	71	59	50	44	57	49	43	54	48	42	52	46	42	39	42	46	42	42	42	
6	68	54	45	38	66	53	44	38	51	43	37	49	42	37	47	41	36	34	41	36	34	34	34	
7	63	49	40	33	61	48	39	33	46	39	33	45	38	33	43	37	32	30	37	32	30	30	30	
8	59	45	36	30	57	44	35	30	42	35	29	41	34	29	40	33	29	27	35	29	27	27	27	
9	55	41	32	27	53	40	32	27	39	32	26	38	31	26	37	30	26	24	33	26	24	24	24	
10	51	38	30	24	50	37	29	24	36	29	24	35	28	24	34	28	24	22	30	24	22	22	22	

Spacing Criteria

0-180 : **1.24**
90-270 : **1.28**
Diagonal : **1.4**

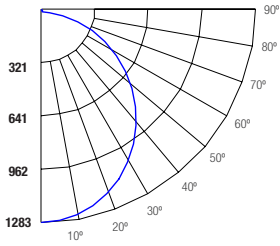
EFFICACY: 145 LM/W

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

TEST NO.: **EL12231990**

INPUT WATTS: **28.9** LUMENS: **4093** CRI: **85** EFFICACY: **142** CCT: **4000K**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	997.30	24.40	24.40
0-40°	1639.4	40.10	40.10
0-60°	2964.37	72.50	72.40
0-90°	4040.95	98.90	98.70
0-180°	4093.38	100.10	100.00

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	1551	1611	1718
55°	1477	1585	1763
65°	1369	1573	1877
75°	1190	1637	2164
85°	800	1533	2306

Candela Tabulation

	0	45	90
0	1282.503	1282.503	1282.503
5	1274.520	1272.880	1275.880
15	1221.830	1221.830	1230.570
25	1121.380	1128.490	1149.800
35	982.940	1001.380	1038.810
45	815.800	847.620	903.620
55	630.180	676.360	752.170
65	430.300	494.640	590.110
75	229.160	315.280	416.620
85	51.890	99.420	149.490
90	4.370	3.020	3.770

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%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	101	101	99	99	99	99	
1	107	102	97	93	104	99	95	91	95	91	88	91	88	85	87	84	82	80	78	82	80	80	80	
2	97	88	80	74	94	86	79	73	82	76	71	78	74	69	75	71	68	65	63	68	65	65	65	
3	88	77	68	61	85	75	67	60	72	65	59	69	63	58	66	61	57	54	52	58	54	54	54	
4	80	68	58	51	78	66	57	51	63	56	50	61	54	49	58	53	48	46	46	53	48	48	48	
5	74	60	51	44	71	59	50	44	57	49	43	54	48	42	52	46	42	39	42	46	42	42	42	
6	68	54	45	38	66	53	44	38	51	43	37	49	42	37	47	41	36	34	41	36	34	34	34	
7	63	49	40	33	61	48	39	33	46	39	33	45	38	33	43	37	32	30	37	32	30	30	30	
8	59	45	36	30	57	44	35	30	42	35	29	41	34	29	40	33	29	27	35	29	27	27	27	
9	55	41	32	27	53	40	32	27	39	32	26	38	31	26	37	30	26	24	33	26	24	24	24	
10	51	38	30	24	50	37	29	24	36	29	24	35	28	24	34	28	24	22	30	24	22	22	22	

Spacing Criteria

0-180 : **1.24**
90-270 : **1.28**
Diagonal : **1.4**

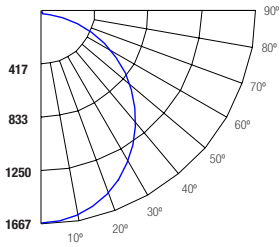
EFFICACY: 142 LM/W

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

TEST NO.: **EL12231990**

INPUT WATTS: **38.8** LUMENS: **5308** CRI: **85** EFFICACY: **137** CCT: **4000K**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	1296.04	24.50	24.40
0-40°	2130.26	40.20	40.10
0-60°	3843.43	72.50	72.40
0-90°	5240.2	98.90	98.70
0-180°	5308.37	100.10	100.00

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	2020	2096	2235
55°	1921	2061	2293
65°	1780	2045	2440
75°	1551	2099	2815
85°	1040	2000	3006

Candela Tabulation

	0	45	90
0	1666.961	1666.961	1666.961
5	1658.140	1655.410	1658.960
15	1588.390	1588.110	1599.850
25	1458.290	1468.120	1495.720
35	1278.620	1302.110	1351.000
45	1062.700	1102.470	1175.530
55	819.710	879.540	978.440
65	559.750	643.060	766.970
75	298.700	404.210	541.920
85	67.420	129.650	194.880
90	5.650	3.930	4.820

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%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	101	101	99	99	99	99	
1	107	102	97	93	104	99	95	91	95	91	88	91	88	85	87	84	82	80	78	82	80	80	80	
2	97	88	80	74	94	86	79	73	82	76	71	78	74	69	75	71	68	65	63	68	65	65	65	
3	88	77	68	61	85	75	67	60	72	65	59	69	63	58	66	61	57	54	52	58	54	54	54	
4	80	68	58	51	78	66	57	51	63	56	50	61	54	49	58	53	48	46	46	53	48	48	48	
5	74	60	51	44	71	59	50	44	57	49	43	54	48	42	52	46	42	39	42	46	42	42	42	
6	68	54	45	38	66	53	44	38	51	43	37	49	42	37	47	41	36	34	41	36	34	34	34	
7	63	49	40	33	61	48	39	33	46	39	33	45	38	33	43	37	32	30	37	32	30	30	30	
8	59	45	36	30	57	44	35	30	42	35	29	41	34	29	40	33	29	27	35	29	27	27	27	
9	55	41	32</																					