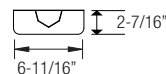
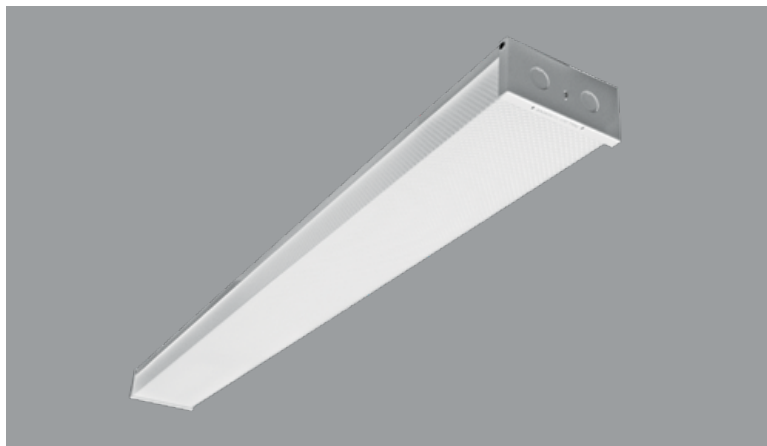


# OEW-LED SERIES



CALCULATED  
**L70**  
LIFETIME  
**50,000 HRS**

**4000**  
LUMENS  
**46**  
WATT

**APPLICATION:**

Ideal for general office lighting, corridors, educational institutions, hospitals, and retail.



**PRODUCT FEATURES:**

- Life tested to ensure light output up to 50,000 hours of operation to L70
- Tested to LM-79 and LM-80 standards
- Heavy-duty-gauge steel utilized throughout for durability and code compliance
- Wrap around acrylic lens provides even illumination up to 180 degrees
- Pretreated with five-stage iron phosphate process to ensure superior paint adhesion
- Painted high-gloss baked white enamel
- Shallow design is ideal for commercial, industrial and residential spaces requiring general illumination
- Suitable for dry and damp environments
- Lightweight design enables easier installation
- Not intended for continuous row mounting

**OPTICS** - The OEW-LED uses a prismatic acrylic lens to scatter the light emitted from the LED chips into functional light. The LED offered in the OEW-LED has the highest return on initial investment compared to other standard lighting solutions.

**PERFORMANCE** - The light engines found in the OEW are rated at 85+ CRI and are available in multiple CCTs: 3000K, 3500K, 4000K and 5000K. 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.

**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.

**OPTIONS** - Fixtures can be shipped pre-installed with daylight harvesting controls, occupancy sensors, and/or power pack. Available manufacturer options include Leviton, Hubble Automation, and others. The Wattstopper - **MS-FM105** Super High Frequency Occupancy Sensor is a line voltage sensor that turns lighting on and off based on occupancy, and can hold lights off when sufficient daylight is available. It detects motion via super high frequency (SHF) electromagnetic waves and the Doppler principle. MS-FM105 is installed behind fixture lenses and hidden from view.

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

**WARRANTY** - Limited 5 Year Warranty

Ordering Information: Example: 4-OEW-LED-4000L-MVOLT-40K

4	OEW	LED							
<b>FIXTURE SIZE</b>	<b>SERIES</b>	<b>TYPE</b>	<b>LUMENS</b>	<b>DRIVER</b>	<b>VOLTAGE</b>	<b>CCT</b>	<b>CRI</b>	<b>EMERGENCY</b>	<b>OTHER OPTIONS</b>
4 - 4'	OEW-Oracle LED Economy Wrap Around	LED	4' FIXTURE 4000L - (4000 lumens)	DIM10 - 0-10V Dimming	MVOLT 347*	40K - (4000K)	85	0-EMG-LED	MS-FM105 - High Frequency Occupancy Sensor USA - Made in America Compliance

\* Consult factory for details

This product is also available in Vibrant Technologies: Smart White (tunable white), Smart Hue (tunable white + RGB) and Warm Dim. Please refer to our website to download Vibrant Technology spec sheets.

# PHOTOMETRY DATA

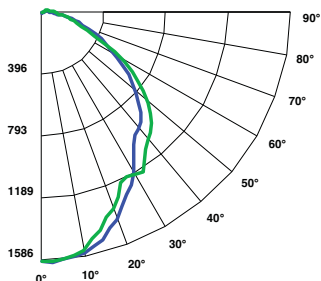
4-OEW-LED-4000L-DIM10-120-40K

WATTAGE: 46W

LUMENS: 4051

TOTAL LUMINAIRE EFFICACY: 88

### Candle Power Distribution (Candelas)



### Spacing Criteria

0-180	: 1.26
90-270	: 1.12
Diagonal	: 1.26

**EFFICACY: 88 LM/W**

### Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	1149.31	N.A.	28.40
0-40°	1844.79	N.A.	45.50
0-60°	3093.23	N.A.	76.40
0-90°	3828.31	N.A.	94.50
0-180°	4051.02	N.A.	100.00

### Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	4618	4458	4922
55°	3484	4148	4546
65°	2263	3767	3625
75°	1596	3666	3119
85°	2157	6503	5835

### Candela Tabulation

	0	45	90
0	1574.913	1574.913	1574.913
5	1566.740	1567.880	1567.280
15	1516.920	1488.070	1426.080
25	1413.470	1271.140	1189.860
35	1220.190	1015.530	1139.720
45	923.100	891.210	983.840
55	564.850	672.570	737.070
65	270.380	450.070	433.090
75	116.800	268.240	228.230
85	53.140	160.210	143.760
90	2.050	99.730	107.800

### 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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	95							
1	107	103	98	94	104	100	96	92	95	91	89	90	87	85	85	83	81	79							
2	98	90	83	76	95	88	82	76	83	78	74	79	75	71	75	72	69	66							
3	90	79	72	65	87	78	70	64	74	68	62	70	65	61	67	63	59	57							
4	82	71	62	56	80	69	61	55	66	59	54	63	57	52	60	55	51	49							
5	76	63	55	48	74	62	54	48	59	52	47	57	51	46	54	49	45	43							
6	70	57	49	42	68	56	48	42	54	47	41	52	45	40	50	44	40	38							
7	65	52	44	38	63	51	43	37	49	42	37	47	41	36	45	40	35	33							
8	61	48	39	34	59	47	39	33	45	38	33	43	37	32	42	36	32	30							
9	57	44	36	30	55	43	35	30	41	35	30	40	34	29	39	33	29	27							
10	53	41	33	28	52	40	32	27	38	32	27	37	31	27	36	30	26	25							

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

LED  
OEW

LED Economy Wrap Around