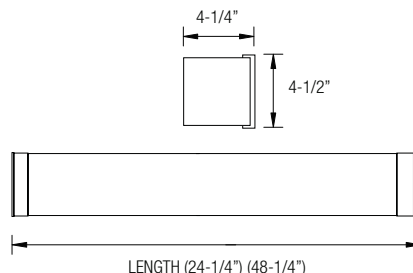


OW2B-LED SERIES



CALCULATED
L70
LIFETIME
50,000 HRS

1000
LUMENS
21
WATT



APPLICATION:

- For use in residential, commercial and hospitality markets. For wall or vanity application.
- Fixture is designed for optional up/down directional lighting. Front cover plate is also removable for 180° illumination.

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
- Available in prismatic acrylic lens and white end caps
- Individually boxed
- Diffuser easily removed via locking nut at both ends of fixture
- 22-gauge steel utilized throughout for durability and code compliance
- Pretreated with five-stage iron phosphate process to ensure superior paint adhesion

- Painted high-gloss baked white enamel
- Emergency battery back-up comes pre-installed on the fixture and emergency push button is installed on the fixture for easy access and aesthetics.
- Suitable for dry and damp environments
- Lightweight design enables easier installation
- Dividers for up/down light
- Front cover available for light block

OPTICS - The OW2B-LED uses a prismatic acrylic lens to scatter the light emitted from the LED chips into functional light. Removable front cover allows the ability to choose between up/down or 180° light distribution. The LED offered in the OW2B-LED has the highest return on initial investment compared to other standard lighting solutions.

PERFORMANCE - The light engines found in the OW2B 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.

DIMMING - The OW2B-LED comes standard with 0-10V dimming on either 120 or 277V. Also available in Lutron dimming options. Consult factory for dimmer compatibility.

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: 2-OW2B-LED-1000L-DIM10-MVOLT-30K

FIXTURE SIZE	SERIES	TYPE	LUMENS	DIMMING	VOLTAGE	CCT	CRI	EMERGENCY	OTHER OPTIONS	
2 - 2'	OW2B-Oracle LED Wall/ Ceiling (Up & Down)	LED	2' FIXTURE 1000L - (1000 lumens)	DIM10 - DIM10-MVOLT LUTH - LUTH-MVOLT	MVOLT 347* * Consult factory for details	30K - (3000K) 35K - (3500K) 40K - (4000K) 50K - (5000K)	85	0-EMG-LED	MS-FM105 - High Frequency Occupancy Sensor USA - Made in America Compliance	
WIRING OPTIONS										
FBF - Internal Fast Blow Fuse SBF - Internal Slow Blow Fuse RIS - Radio Interference Sensor										

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

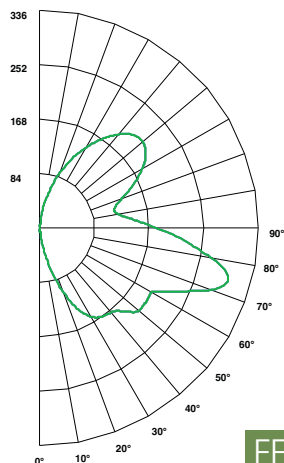
2-OW2B-LED-1000L-DIM10-120-40K

WATTAGE: 23W

LUMENS: 1338

TOTAL LUMINAIRE EFFICACY: 57

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	51.21	N.A.	3.80
0-40°	113.02	N.A.	8.40
0-60°	287.17	N.A.	21.50
0-90°	732.86	N.A.	54.80
0-180°	1337.67	N.A.	100.00

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	25	1232	2106
55°	21	1575	2833
65°	23	2434	4498
75°	31	4390	9450
85°	91	15792	20762

Candela Tabulation

	0	45	90
0	3.418	3.418	3.418
5	3.680	11.520	15.700
15	3.750	44.720	72.340
25	3.800	90.730	138.760
35	3.220	113.960	166.920
45	2.130	106.940	182.810
55	1.480	110.910	199.450
65	1.170	126.270	233.360
75	1.000	139.470	300.220
85	0.970	168.940	222.110
90	0.750	161.140	178.030

Spacing Criteria

0-180	: N.A.
90-270	: N.A.
Diagonal	: N.A.

EFFICACY: 57 LM/W

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%	0%	0%
0	108	108	108	108	100	100	100	100	86	86	86	73	73	73	61	61	61	55	55
1	93	86	79	74	85	79	73	68	66	62	58	55	51	48	44	41	39	34	34
2	82	72	63	56	75	66	58	51	55	49	43	44	40	36	35	31	28	23	23
3	73	61	51	44	67	56	47	40	46	39	34	37	32	28	29	25	22	17	17
4	66	53	43	35	60	48	39	33	40	33	27	32	27	22	25	21	17	13	13
5	60	46	36	29	55	42	34	27	35	28	22	28	23	18	22	18	14	10	10
6	55	41	31	25	50	38	29	23	31	24	19	25	20	15	20	15	12	8	8
7	51	37	27	21	46	34	25	19	28	21	16	23	17	13	18	13	10	7	7
8	47	33	24	18	43	30	22	17	25	19	14	21	15	11	16	12	8	6	6
9	44	30	21	16	40	27	20	15	23	17	12	19	13	10	15	10	7	5	5
10	41	27	19	14	37	25	18	13	21	15	11	17	12	9	14	9	6	4	4

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

LED
OW2B

LED Wall/Ceiling Bracket Fixture