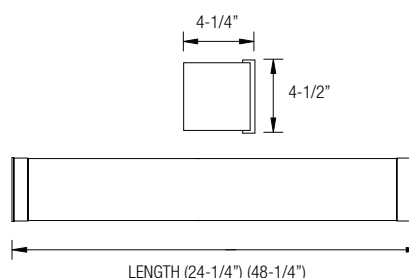


# OW2B-LED SERIES



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

<b>1000</b> LUMENS	<b>1500</b> LUMENS	<b>2000</b> LUMENS
<b>21</b> WATT	<b>30</b> WATT	<b>41</b> 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

- Emergency battery back-up comes pre-installed on the fixture and emergency push button is installed on the fixture for easy access and aesthetics.
- Painted high-gloss baked white enamel
- 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.

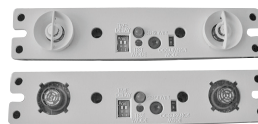
**ELECTRICAL** - Powered by high-quality constant-current power LED drivers which are rated for 50 to 60Hz at 120-277V input, produce less than 20% THD, and have a power factor of .90 to 1.00.

**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, Hubbell Automation, and others. The FS-555 can provide bi-level lighting control in fixtures that have bi-level or dimming ballasts, resulting in up to 66% energy savings for fixtures that are on 24-hours a day, seven days a week, while still providing enough light for safety and egress.

**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-OW2B-LED-1000L-DIM10-MVOLT-30K**

<b>FIXTURE SIZE</b> 4 - 4'	<b>SERIES</b> OW2B-Oracle LED Wall/ Ceiling (Up & Down)	<b>TYPE</b> LED	<b>LUMENS</b> 4' FIXTURE 1000L - (1000 lumens) 1500L - (1500 lumens) 2000L - (2000 lumens)	<b>DIMMING</b> DIM10 - DIM10-MVOLT LUTH - LUTH-MVOLT	<b>VOLTAGE</b> MVOLT 347* * Consult factory for details	<b>CCT</b> 30K - (3000K) 35K - (3500K) 40K - (4000K) 50K - (5000K)	<b>CRI</b> 85	<b>EMERGENCY</b> 0-EMG-LED	<b>OTHER OPTIONS</b> FS-555 - Bi-level lighting control USA - Made in America Compliance
<b>WIRING OPTIONS</b>									
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

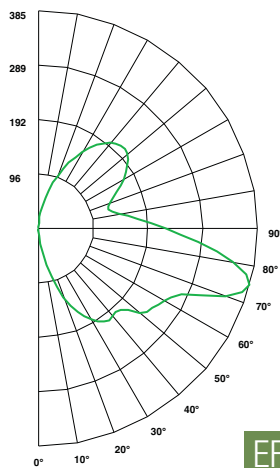
## 4-OW2B-LED-1500L

WATTAGE: 30W

LUMENS: 1560

TOTAL LUMINAIRE EFFICACY: 52

### Candle Power Distribution (Candelas)



### Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	59.99	N.A.	3.80
0-40°	134.75	N.A.	8.60
0-60°	343.64	N.A.	22.00
0-90°	892.66	N.A.	57.20
0-180°	1560.08	N.A.	100.00

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

Angle In Degrees	Average	Average	Average
	0°	45°	90°
45°	22	1501	2359
55°	22	1855	3480
65°	26	3118	5369
75°	41	5770	12115
85°	118	21126	26513

### Candela Tabulation

	0	45	90
0	1.957	1.957	1.957
5	1.905	9.000	13.710
15	1.860	57.322	88.147
25	1.972	110.228	163.433
35	2.130	138.750	201.660
45	1.890	130.282	204.713
55	1.515	130.635	245.040
65	1.357	161.730	278.527
75	1.290	183.315	384.885
85	1.260	226.012	283.635
90	1.103	212.370	225.360

### Spacing Criteria

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

**EFFICACY: 52 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%	50%	30%	10%	0%			
0	109	109	109	109	101	101	101	101	87	87	87	75	75	75	63	63	63	63	63	63	57			
1	93	86	79	73	85	79	73	68	67	62	58	56	52	49	45	42	40	36	32	29	24			
2	82	71	62	55	75	66	58	51	55	49	43	45	40	36	36	32	29	24	22	18				
3	73	61	51	43	67	56	47	40	47	39	34	38	32	28	30	26	22	18	14	11				
4	66	52	42	35	60	48	39	32	40	33	27	33	27	22	26	21	17	14	11	7				
5	60	46	36	29	55	42	33	26	35	28	22	29	23	18	23	18	14	11	7	5				
6	55	41	31	24	50	37	29	22	31	24	19	26	20	15	20	15	12	9	7	4				
7	51	36	27	21	46	34	25	19	28	21	16	23	17	13	18	13	10	7	5	3				
8	47	33	24	18	43	30	22	16	25	19	14	21	15	11	16	12	9	6	4	2				
9	44	30	21	15	40	27	20	14	23	17	12	19	14	10	15	11	7	5	3	1				
10	41	27	19	13	37	25	18	12	21	15	10	17	12	8	14	10	7	4	2	0				

RC - Ceiling Cavity Reflectance RW - Wall Reflectance

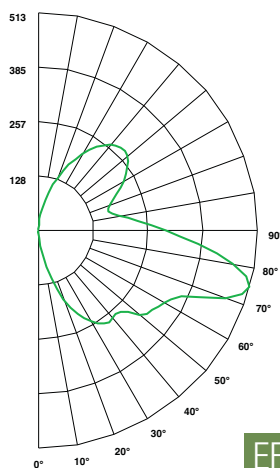
## 4-OW2B-LED-2000L

WATTAGE: 40W

LUMENS: 2080

TOTAL LUMINAIRE EFFICACY: 51

### Candle Power Distribution (Candelas)



### Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	79.99	N.A.	3.80
0-40°	179.67	N.A.	8.60
0-60°	458.19	N.A.	22.00
0-90°	1190.21	N.A.	57.20
0-180°	2080.11	N.A.	100.00

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

Angle In Degrees	Average	Average	Average
	0°	45°	90°
45°	29	2001	3145
55°	29	2474	4641
65°	35	4157	7159
75°	54	7694	16153
85°	157	28169	35350

### Candela Tabulation

	0	45	90
0	2.609	2.609	2.609
5	2.540	12.000	18.280
15	2.480	76.430	117.530
25	2.630	146.970	217.910
35	2.840	185.000	268.880
45	2.520	173.710	272.950
55	2.020	174.180	326.720
65	1.810	215.640	371.370
75	1.720	244.420	513.180
85	1.680	301.350	378.180
90	1.470	283.160	300.480

### Spacing Criteria

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

**EFFICACY: 51 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%	50%	30%	10%	0%			
0	109	109	109	109	101	101	101	101	87	87	87	75	75	75	63	63	63	63	63	63	57			
1	93	86	79	73	85	79	73	68	67	62	58	56	52	49	45	42	40	36	32	29	24			
2	82	71	62	55	75	66	58	51	55	49	43	45	40	36	36	32	29	24	22	18				
3	73	61	51	43	67	56	47	40	47	39	34	38	32	28	30	26	22	18	14	11				
4	66	52	42	35	60	48	39	32	40	33	27	33	27	22	26	21	17	14	11	7				
5	60	46	36	29	55	42	33	26	35	28	22	29	23	18	23	18	14	11	7	5				
6	55	41	31	24	50	37	29	22	31	24	19	26	20	15	20	15	12	9	7	4				
7	51	36	27	21	46	34	25	19	28	21	16	23	17	13	18	13	10	7	5	3				
8	47	33	24	18	43	30	22	16	25	19	14	21	15	11	16	12	9	6	4	2				
9	44	30	21	15	40	27	20	14	23	17	12	19	14	10	15	11	7	5	3	1				
10	41	27	19	13	37	25	18	12	21	15	10	17	12	8	14	10	7	4	2	0				

RC - Ceiling Cavity Reflectance RW - Wall Reflectance

LED  
OW2B

LED Wall/Ceiling Bracket Fixture