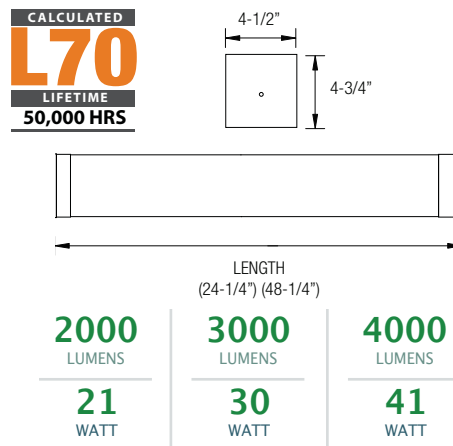




OW1B-LED SERIES



APPLICATION:

For use in residential, commercial and hospitality markets. For wall or vanity applications.



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

OPTICS - The OW1B-LED uses a prismatic acrylic lens to scatter the light emitted from the LED chips into functional light. The LED offered in the OW1B-LED has the highest return on initial investment compared to other standard lighting solutions.

PERFORMANCE - The light engines found in the OW1B 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 OW1B-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.

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-OW1B-LED-2000L-DIM10-MVOLT-30K

FIXTURE SIZE	SERIES	TYPE	LUMENS	DIMMING	VOLTAGE	CCT	CRI	EMERGENCY	OTHER OPTIONS
4 - 4'	OW1B-Oracle LED Wall/ Ceiling	LED	4' FIXTURE 2000L - (2000 lumens) 3000L - (3000 lumens) 4000L - (4000 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	OSM3D-DDW-20 - HF Microwave Sensor 0-10 20% Dim OSM3D-DDW-50 - HF Microwave Sensor 0-10 50% Dim OSM3D-V1W - Line Voltage Microwave 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

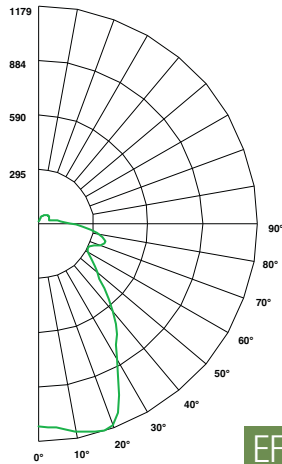
4-OW1B-LED-3000L

WATTAGE: 30W

LUMENS: 3173

TOTAL LUMINAIRE EFFICACY: 106

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	907.71	N.A.	28.60
0-40°	1425.49	N.A.	44.90
0-60°	2189.56	N.A.	69.00
0-90°	2851.59	N.A.	89.90
0-180°	3172.88	N.A.	100.00

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	7838	6398	5748
55°	4631	5355	4953
65°	2965	4989	5737
75°	2743	6675	11726
85°	2857	18476	22377

Candela Tabulation

	0	45	90
0	1101.294	1101.294	1101.294
5	1097.860	1106.190	1112.320
15	1069.200	1135.280	1170.500
25	1008.260	1114.420	1025.530
35	899.870	790.450	734.160
45	680.310	555.310	498.920
55	326.040	377.020	348.730
65	153.820	258.790	297.590
75	87.130	212.070	372.530
85	30.560	197.660	239.390
90	1.460	162.670	169.650

Spacing Criteria

0-180	: 1.30
90-270	: 1.16
Diagonal	: 1.24

EFFICACY: 106 LM/W

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 20% = PF

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	117	117	117	117	113	113	113	113	105	105	105	99	99	99	93	93	93	90			
	1	105	100	95	91	102	97	93	89	91	87	84	85	82	80	78	76	73				
	2	96	88	81	75	92	85	78	73	80	74	70	75	71	67	70	67	64	61			
	3	88	78	69	63	85	75	68	62	71	65	59	67	61	57	63	59	55	52			
	4	81	69	61	54	78	67	59	53	63	57	51	60	54	50	57	52	48	45			
	5	75	62	54	47	72	61	53	46	57	50	45	54	48	44	52	46	42	40			
	6	69	56	48	42	67	55	47	41	52	45	40	50	43	39	48	42	38	35			
	7	65	52	43	37	62	50	42	37	48	41	36	46	39	35	43	38	34	32			
	8	60	47	39	33	58	46	38	33	44	37	32	42	36	31	40	35	31	29			
9	56	43	36	30	55	43	35	30	41	34	29	39	33	29	37	32	28	26				
10	53	40	33	28	51	39	32	27	38	31	27	36	30	26	35	29	26	24				

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

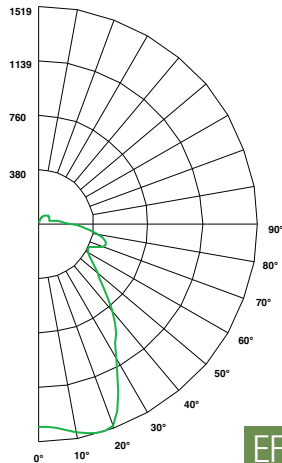
4-OW1B-LED-4000L

WATTAGE: 41W

LUMENS: 4065

TOTAL LUMINAIRE EFFICACY: 100

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	1165.37	N.A.	28.70
0-40°	1824.31	N.A.	44.90
0-60°	2798.73	N.A.	68.80
0-90°	3651.37	N.A.	89.80
0-180°	4065.36	N.A.	100.00

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	10054	8168	7282
55°	5869	6753	6263
65°	3803	6393	7464
75°	3518	8611	15185
85°	3659	23983	28351

Candela Tabulation

	0	45	90
0	1414.435	1414.435	1414.435
5	1410.450	1422.450	1431.190
15	1374.700	1463.290	1509.580
25	1296.660	1427.160	1301.110
35	1156.200	1004.190	939.940
45	872.630	708.960	632.060
55	413.190	475.410	440.940
65	197.290	331.640	387.220
75	111.750	273.570	482.300
85	39.140	256.570	303.300
90	1.880	209.680	217.910

Spacing Criteria

0-180	: 1.30
90-270	: 1.16
Diagonal	: 1.24

EFFICACY: 100 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%	
ROOM CAVITY RATIO	0	117	117	117	117	113	113	113	113	105	105	105	99	99	99	93	93	93	93	93	93	93		
	1	107	100	95	91	101	97	89	87	95	88	85	82	80	78	78	73	73	73	73	73	73		
	2	96	88	81	75	92	85	78	73	80	74	70	75	71	67	70	67	64	61	61	61			
	3	88	77	69	63	85	75	68	62	71	64	59	67	61	57	63	59	55	52	55	52			
	4	81	69	61	54	78	67	59	53	63	57	51	60	54	50	57	52	48	45	45	40			
	5	75	62	54	47	72	61	52	46	57	50	45	54	48	44	52	46	42	40	40	40			
	6	69	56	48	42	67	55	47	41	52	45	40	50	43	42	48	42	38	35	35	35			
	7	65	52	43	37	62	50	42	37	48	41	36	46	39	35	43	38	34	32	32	32			
	8	60	47	39	33	58	46	38	33	44	37	32	42	36	31	40	35	31	29	29	29			
	9	56	44	36	30	55	43	35	30	41	34	29	39	33	29	37	32	28	26	26	26			
10	53	40	33	28	51	39	32	27	38	31	27	36	30	26	35	29	26	24	24	24				

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

LED
OW1B

LED Wall/Ceiling Bracket Fixture