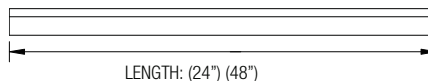
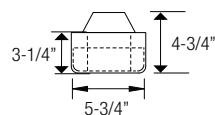




# ONW-LED SERIES



CALCULATED  
**L70**  
LIFETIME  
50,000 HRS

**1200**  
LUMENS

**14**  
WATT

**2000**  
LUMENS

**24**  
WATT

**APPLICATION:**

- General illumination for narrow area layouts • Aisle areas for retail stores and small retail store format
- Hallways/corridors, office buildings, schools, hospitals and public walkway areas • Library stacks and storage areas



LED  
V

**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
- 22-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
- Suitable for dry and damp environments

- Shallow design is ideal for commercial, industrial and residential spaces requiring general illumination
- Emergency battery back-up comes pre-installed on the fixture and emergency push button is installed on the fixture for easy access and aesthetics.
- Lightweight design enables easier installation
- Can be used for parallel or cross-corridor layouts
- Fixture can be continuous row or individually mounted
- Suitable for surface or suspended mounting

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

**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.

**PERFORMANCE** - The light engines found in the ONW 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.

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

**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.

**WARRANTY** - Limited 5 Year Warranty

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

**Ordering Information: Example: 2-ONW-LED-2000L-DIM10-MVOLT-30K**

FIXTURE SIZE	SERIES	TYPE	LUMENS	DIMMING	VOLTAGE	CCT	CRI	EMERGENCY	OTHER OPTIONS
2 - 2'	ONW-Oracle LED Wrap Around	LED	2' FIXTURE 1200L - (1200 lumens) 2000L - (2000 lumens)	DIM10 - DIM10-MVOLT LUTH - LUTH-MVOLT	MVOLT 347* <small>* Consult factory for details</small>	30K - (3000K) 35K - (3500K) 40K - (4000K) 50K - (5000K)	85	0-EMG-LED	MS-FM105 - High Frequency Occupancy Sensor 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

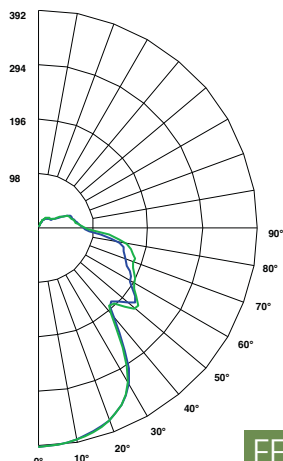
## 2-ONW-LED-1200L-DIM10-120-40K

WATTAGE: 14W

LUMENS: 1291

TOTAL LUMINAIRE EFFICACY: 92

### Candle Power Distribution (Candelas)



### Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	305.97	N.A.	23.70
0-40°	482.29	N.A.	37.40
0-60°	795.28	N.A.	61.60
0-90°	1110.00	N.A.	86.00
0-180°	1290.99	N.A.	100.00

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

Angle In Degrees	Average		
	0°	45°	90°
45°	1133	927	953
55°	634	1084	1307
65°	480	1231	1569
75°	438	1457	2395
85°	400	2449	5099

### Candela Tabulation

	0	45	90
0	391.89	391.89	391.89
5	389.37	389.22	389.53
15	374.34	375.43	378.32
25	343.07	348.87	348.84
35	295.54	286.69	260.53
45	226.46	185.20	190.55
55	102.86	175.78	211.93
65	57.36	147.12	187.42
75	32.02	106.61	175.24
85	9.85	60.35	125.63
90	0.61	51.80	87.50

### Spacing Criteria

0-180	: 1.22
90-270	: 1.20
Diagonal	: 1.22

**EFFICACY: 92 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	116	116	116	116	111	111	111	111	103	103	103	96	96	96	89	89	89	89	86	86	86	86	86		
1	104	98	93	89	99	94	90	86	88	84	81	81	78	76	75	73	71	68	68	68	68	68	68		
2	94	85	78	71	90	82	75	69	76	70	66	71	66	62	66	62	59	56	56	56	56	56	56		
3	85	74	66	59	82	72	64	58	67	60	55	62	57	52	58	53	50	47	47	47	47	47	47		
4	78	66	57	50	75	64	55	49	59	52	47	55	50	45	52	47	43	40	40	40	40	40	40		
5	72	59	50	43	69	57	49	42	53	46	41	50	44	39	47	41	37	35	35	35	35	35	35		
6	67	53	44	38	64	52	43	37	48	41	36	45	39	34	43	37	33	31	31	31	31	31	31		
7	62	48	40	33	59	47	39	33	44	37	32	41	35	31	39	34	29	27	27	27	27	27	27		
8	58	44	36	30	55	43	35	29	40	33	28	38	32	27	36	30	26	24	24	24	24	24	24		
9	54	41	32	27	52	39	32	27	37	30	26	35	29	25	33	28	24	22	22	22	22	22	22		
10	51	37	30	24	49	36	29	24	35	28	23	33	27	23	31	26	22	20	20	20	20	20	20		

RC - Ceiling Cavity Reflectance RW - Wall Reflectance

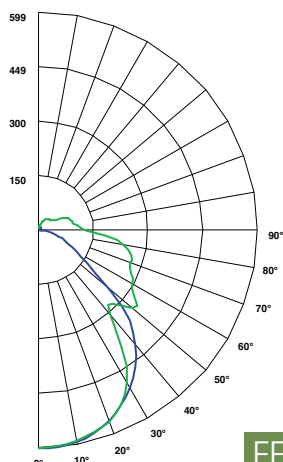
## 2-ONW-LED-2000L-DIM10-120-40K

WATTAGE: 23.5W

LUMENS: 1970

TOTAL LUMINAIRE EFFICACY: 84

### Candle Power Distribution (Candelas)



### Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	468.16	N.A.	23.80
0-40°	736.83	N.A.	37.40
0-60°	1213.69	N.A.	61.60
0-90°	1689.36	N.A.	85.80
0-180°	1969.59	N.A.	100.00

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

Angle In Degrees	Average		
	0°	45°	90°
45°	1760	1430	1424
55°	983	1644	1962
65°	742	1871	2335
75°	655	2194	3552
85°	606	3652	7484

### Candela Tabulation

	0	45	90
0	599.151	599.151	599.151
5	597.580	596.100	595.400
15	579.640	577.600	577.050
25	532.040	537.140	531.150
35	460.200	443.490	395.370
45	351.850	285.930	284.670
55	159.440	266.630	318.150
65	88.700	223.480	278.990
75	47.940	160.520	259.910
85	14.930	89.990	184.400
90	0.870	77.960	128.520

### Spacing Criteria

0-180	: 1.
90-270	: 1.
Diagonal	: 1.

**EFFICACY: 84 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	116	116	116	116	111	111	111	111	103	103	103	96	96	96	89	89	89	89	86	86	86	86	86		
1	104	98	93	89	99	94	90	86	88	84	81	81	78	76	75	73	71	68	68	68	68	68	68		
2	94	85	78	72	90	82	75	70	76	70	66	71	66	62	66	62	59	56	56	56	56	56	56		
3	85	75	66	59	82	72	64	58	67	60	55	62	57	52	58	53	50	47	47	47	47	47	47		
4	78	66	57	50	75	64	56	49	59	52	47	55	50	45	52	47	43	40	40	40	40	40	40		
5	72	59	50	43	69	57	49	42	53	46	41	50	44	39	47	41	37	35	35	35	35	35	35		
6	67	53	44	38	64	52	43	37	48	41	36	45	39	34	43	37	33	31	31	31	31	31	31		
7	62	48	40	34	59	47	39	33	44	37	32	41	35	31	39	34	29	27	27	27	27	27	27		
8	58	44	36	30	55	43	35	29	40	33	28	38	32	27	36	31	26	24	24	24	24	24	24		
9	54	41	33	27	52	39	32	27	37	30	26	35	29	25	33	28	24	22	22	22	22	22	22		
10	51	38	30	25	49	36	29	24	35	28	23	33	27	23	31	26	22	20	20	20	20	20	20		

RC - Ceiling Cavity Reflectance RW - Wall Reflectance

LED ONW

LED Wrap Around