

# OWM-R-202-LED

LED Wall Mount Round Medallion

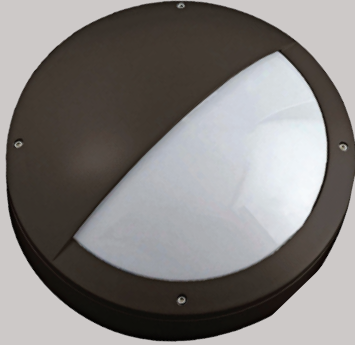
**23 Wattage / 1200 Lumens**

Catalog Number:

Project Name:

Note:

Type:



## APPLICATIONS:

The LED Round Medallion series brings the maintenance free energy efficient benefits of LED to the luminaire while maintaining the traditional appearance that has been the standard for housing complexes for decades. Multiple sizes and frame options ensure that you will find the perfect look to compliment your building.

## CONSTRUCTION:

Die cast aluminum housing and open front frame, textured powder coat finish over a chromate conversion coating. The one-piece silicone gasket effectively limits outside contaminants by sealing off the optical chamber.

## FINISH:

Dark bronze corrosion- and UV-resistant polyester powder coat finish comes standard.

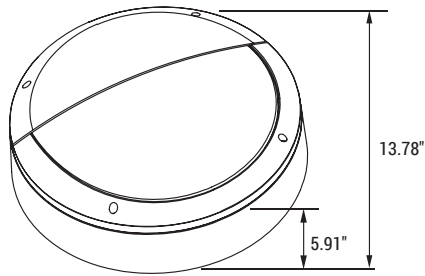
## OPTICS:

High-performance LEDs maintain at least 70% of light output at 50,000 hours of service life.

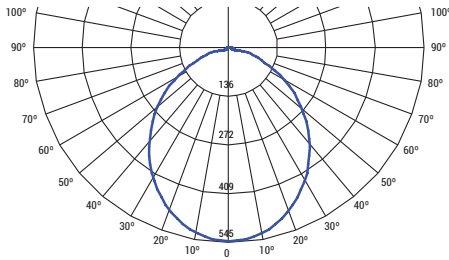
## LENS:

Standard opal polycarbonate lens.

## DIMENSION:



## PHOTOMETRICS:



## SPECIFICATIONS:

<b>LUMENS</b>	1200, 2000 lumens
<b>WATTAGE</b>	23W, 42W
<b>CCT</b>	30K, 40K, 50K
<b>CRI</b>	80
<b>VOLTAGE</b>	120-277 VAC
<b>POWER FREQUENCY</b>	50/60 Hz
<b>APPLICABLE ENVIRONMENT</b>	Dry/Damp/Wet location



<b>B</b>	<b>U</b>	<b>G</b>
0	3	2

Ordering Guide > Example: **OWM-R-202-LED-1200L-MVOLT-50K-BZ**

<b>OWM-R-202-LED</b>				
<b>SERIES</b>	<b>LUMENS</b>	<b>VOLTAGE</b>	<b>CCT</b>	<b>FINISH</b>
<b>OWM-R-202-LED</b> - Half Cut-Off Frame Medallion	<b>1200L</b> - 1200 lumens <b>2000L</b> - 1200 lumens	<b>MVOLT</b> - 120-277V	<b>30K</b> - 3000K <b>40K</b> - 4000K <b>50K</b> - 5000K	<b>BZ</b> - Bronze <b>WH</b> - White <b>BK</b> - Black

# 23 Wattage / 1200 Lumens

## OWM-R-202-LED-1200L-MVOLT-50K-BK

INPUT WATTS: 25.9

LUMENS: 1245

CRI: N/A

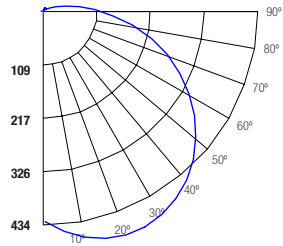
EFFICACY: 48

CCT: 5000K

TEST NO.: EL101813

SPACING CRITERIA: 1.38

### Candle Power Distribution (Candelas)



### Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	140.34	8.8	11.3
0-30	298.16	18.6	23.9
0-40	488.54	30.5	39.2
0-60	868.72	54.2	69.8
0-80	1122.66	70.1	90.2
0-90	1188.45	74.2	95.4

### Luminance (Average candela/M<sup>2</sup>)

Angle in Degrees	Average		
	0°	45°	90°
45	9901	13348	20742
55	6690	11142	20519
65	3200	8735	20707
75	195	6884	22833
85	742	7220	40004

### Lumens Per Zone

Zone	Lumens
0-10	36.3
10-20	104.04
20-30	157.82
30-40	190.39
40-50	198.32
50-60	181.86
60-70	147.74
70-80	106.19
80-90	65.79

### Candela Tabulation

Q	Candela
0	383.855
5	361.52
15	308.52
25	250.27
35	188.06
45	127.83
55	70.06
65	24.69
75	0.92
85	1.18
90	1.42

### Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

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%	50%	30%	10%	0%		
0	92	92	92	92	89	89	89	89	84	84	84	80	80	80	76	76	76	74	74	74	74	74	74	74	
1	82	78	74	71	80	76	73	69	72	69	67	68	66	64	65	63	61	59	59	59	59	59	59	59	
2	75	68	62	57	72	66	60	56	62	58	54	59	56	52	56	53	51	49	49	49	49	49	49	49	
3	68	59	52	47	65	57	51	46	55	49	45	52	47	44	50	46	42	41	41	41	41	41	41	41	
4	62	52	45	39	60	51	44	39	48	43	38	46	41	37	44	40	36	34	34	34	34	34	34	34	
5	57	46	39	34	55	45	39	34	43	37	33	41	36	32	40	35	31	30	30	30	30	30	30	30	
6	52	42	35	29	51	41	34	29	39	33	29	37	32	28	36	31	28	26	26	26	26	26	26	26	
7	49	38	31	26	47	37	30	26	35	30	25	34	29	25	33	28	24	23	23	23	23	23	23	23	
8	45	34	28	23	44	34	27	23	32	27	23	31	26	22	30	25	22	20	20	20	20	20	20	20	
9	42	32	25	21	41	31	25	21	30	24	20	29	24	20	28	23	20	18	18	18	18	18	18	18	
10	40	29	23	19	38	29	23	19	28	22	18	27	22	18	26	21	18	16	16	16	16	16	16	16	

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

## OWM-R-202-LED-2000L-MVOLT-40K-BZ

INPUT WATTS: 42.1

LUMENS: 1963

CRI: N/A

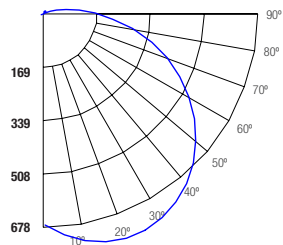
EFFICACY: 47

CCT: 4000K

TEST NO.: EL101813

SPACING CRITERIA: 1.40

### Candle Power Distribution (Candelas)



### Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	218.34	11.1	11.1
0-30	464.55	23.7	23.7
0-40	763.08	38.9	38.9
0-60	1364.6	69.5	69.5
0-80	1769.9	90.2	90.2
0-90	1874.59	95.5	95.5

### Luminance (Average candela/M<sup>2</sup>)

Angle in Degrees	Average		
	0°	45°	90°
45	1748	2083	3259
55	1225	1659	3142
65	621	1189	3064
75	98	787	3233
85	138	607	5430

### Lumens Per Zone

Zone	Lumens
0-10	56.44
10-20	161.9
20-30	246.2
30-40	298.53
40-50	312.7
50-60	288.82
60-70	235.91
70-80	169.4
80-90	104.68

### Candela Tabulation

Q	Candela
0	596.524
5	560.5
15	478.68
25	388.15
35	295.21
45	203.1
55	115.42
65	43.15
75	4.17
85	1.98
90	2.35

### Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

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%	50%	30%	10%	0%		
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	95	95	95	95	95	95	95	
1	106	100	96	91	103	98	93	89	93	89	85	88	85	82	83	81	79	76	76	76	76	76	76	76	
2	96	87	79	73	93	84	78	72	80	74	69	76	71	67	72	68	65	62	62	62	62	62	62	62	
3	87	76	67	60	84	74	66	59	70	63	58	67	61	56	64	59	54	52	52	52	52	52	52	52	
4	79	67	58	51	77	65	57	50	62	55	49	59	53	48	56	51	46	44	44	44	44	44	44	44	
5	73	60	50	43	70	58	49	43	55	48	42	53	46	41	51	45	40	38	38	38	38	38	38	38	
6	67	54	44	38	65	52	44	37	50	42	37	48	41	36	46	40	35	33	33	33	33	33	33	33	
7	62	48	39	33	60	47	39	33	45	38	32	44	37	32	42	36	31	29	29	29	29	29	29	29	
8	58	44	35	29	56	43	35	29	42	34	29	40	33	28	38	32	28	26	26	26	26	26	26	26	
9	54	41	32	26	53	40	32	26	38	31	26	37	30	26	35	30	25	23	23	23	23	23	23	23	
10	51	37	29	24	49	37	29	24	35	28	23	34	28	23	33	27	23	21	21	21	21	21	21	21	

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance