

OVR-202-LED

LED Medium Round Canopy Series

up to 63 Wattage / up to 7000 Lumens

Catalog Number:

Project Name:

Note:

Type:

APPLICATIONS:

The Oracle Medium Round LED Canopy Light is designed to provide an aesthetically pleasing low-profile luminaire that produces a high light output while keeping energy and maintenance costs low. Ideal for parking garages, walkways, storage areas, underpasses, and stairwells.

FEATURES:

- Sealed die-casting profile for outdoor applications
- MVOLT (120-277V) & 347V
- Lumen output from 5000lm with efficacy up to 116lm/W
- Increase energy savings with optional bi-level motion sensor
- Replacing 100W MH and 175W MH saving over 75% energy consumption
- Operating temperature is -40°C to 40°C (-40°F to 104°F)
- UL/cUL wet location
- Polycarbonate Lens

SPECIFICATIONS:

LUMENS 3500 / 5000 / 7000 lumens

WATTAGE 30W / 45W / 63W

CCT 40K, 50K

CRI 70

LIGHT EFFICIENCY 116 lumens/watt

VOLTAGE 120-277 VAC / 347V

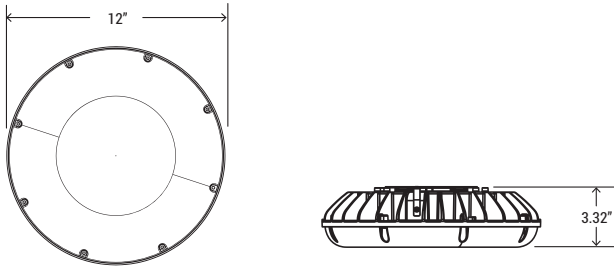
POWER FREQUENCY 50/60 Hz

FINISH Bronze, White

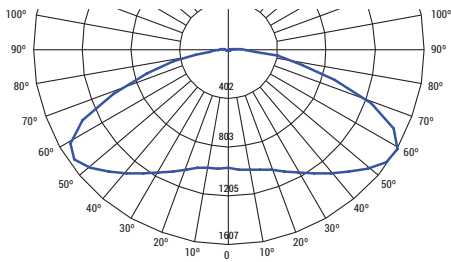
APPLICABLE ENVIRONMENT Dry/Damp/Wet location

WORKING TEMPERATURE -40°C to 40°C

DIMENSION:



PHOTOMETRICS:

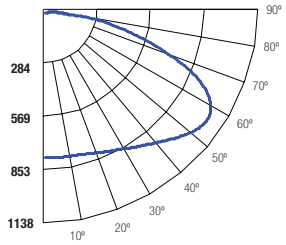


B	U	G
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Ordering Guide > Example: OVR-202-LED-5000L-DIM10-MVOLT-40K-O-EMG-LED-BZ

OVR-202-LED							
SERIES	PERFORMANCE	DIMMING	VOLTAGE	CCT	FINISH	EMERGENCY	OPTION
OVR-202-LED	3500L - 3500 lumens 5000L - 5000 lumens 7000L - 7000 lumens	DIM10 - 0-10V Dimming	MVOLT - 120-277V 347V - 347 V	40K - 4000K 50K - 5000K	BZ - Bronze WH - White	O-EMG-LED External Installation	MS - Motion Sensor

OVR-202-LED-5000L-DIM10-MVOLT-40K-WH
INPUT WATTS: 44.7
LUMENS: 4972
CRI: N/A
EFFICACY: 111
CCT: 4000K
TEST NO.: EL06022006
SPACING CRITERIA: 2.06
Candle Power Distribution (Candelas)


Cone of Light			
2	263	6.7	12.6
4	69.9	13.0	24.5
6	30.5	19.7	37.2
8	17.0	26.4	49.8
10	11.1	32.8	61.7
12	7.61	39.5	74.3
(F.T.) Distance to Plane		(F.C.) Initial Footcandle at Nadir	(F.T.) Beam Vert. Spread
		(F.T.) Beam Horiz. Spread	

BEAM DIA. MEASURED AT 50% OF NADIR F.C.

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	295.47	5.90	5.90
0-30	676.32	13.60	13.60
0-40	1236.45	24.90	24.90
0-60	2937.48	59.10	59.10
0-80	4468.23	89.90	89.90
0-90	4736.73	95.30	95.30

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	15842	15034	15053
55	21225	19678	20217
65	25801	24289	25057
75	24472	24197	24478
85	30761	32777	32195

Lumens Per Zone

Zone	Lumens
0-10	73.40
10-20	222.07
20-30	380.85
30-40	560.13
40-50	760.83
50-60	940.20
60-70	927.66
70-80	603.10
80-90	268.50

Candela Tabulation

Q	
0	761.281
5	769.970
15	784.170
25	826.250
35	894.790
45	989.940
55	1075.840
65	963.600
75	559.740
85	236.920
90	120.800

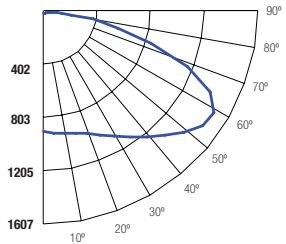
Coefficients of Utilization - Zonal Cavity Method

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%	0%	0%
0		118	118	118	118	115	115	115	115	108	108	108	103	103	103	98	98	98	98	98	98	98	98	95
1		104	98	93	88	101	95	90	86	90	86	82	85	82	79	81	78	75	73	73	73	73	73	73
2		93	82	74	67	89	80	72	66	75	69	63	71	66	61	67	63	59	56	56	56	56	56	56
3		83	70	60	52	80	68	59	52	64	56	50	61	54	48	57	52	47	44	44	44	44	44	44
4		75	61	50	42	72	59	49	42	55	47	41	52	45	39	50	43	38	36	36	36	36	36	36
5		68	53	43	35	65	51	42	34	49	40	34	46	39	33	44	37	32	29	29	29	29	29	29
6		62	47	37	29	59	46	36	29	43	35	28	41	33	28	39	32	27	25	25	25	25	25	25
7		57	42	32	25	55	41	31	25	39	30	24	37	29	24	35	28	23	21	21	21	21	21	21
8		53	38	28	22	51	37	28	22	35	27	21	33	26	21	32	25	20	18	18	18	18	18	18
9		49	34	25	19	47	33	25	19	32	24	19	30	23	18	29	22	18	16	16	16	16	16	16
10		46	31	23	17	44	31	22	17	29	22	16	28	21	16	27	20	16	14	14	14	14	14	14

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

OVR-202-LED-7000L-DIM10-MVOLT-40K-BZ
INPUT WATTS: 60.2
LUMENS: 6969
CRI: N/A
EFFICACY: 116
CCT: 4000K
TEST NO.: EL021884
SPACING CRITERIA: 2.18
Candle Power Distribution (Candelas)


Cone of Light			
2	333	12.7	5.9
4	88.4	24.7	11.5
6	38.5	37.5	17.4
8	21.4	50.2	23.2
10	14.0	62.2	28.8
12	9.62	75.0	34.7
(F.T.) Distance to Plane		(F.C.) Initial Footcandle at Nadir	(F.T.) Beam Vert. Spread
		(F.T.) Beam Horiz. Spread	

BEAM DIA. MEASURED AT 50% OF NADIR F.C.

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	375.47	5.40	5.40
0-30	876.84	12.60	12.60
0-40	1642.28	23.60	23.60
0-60	4062.98	58.30	58.30
0-80	6228.19	89.40	89.40
0-90	6614.27	94.90	94.90

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	50846	50457	51930
55	70734	68688	70115
65	91195	82742	77134
75	89509	76612	61864
85	119911	103448	77343

Lumens Per Zone

Zone	Lumens
0-10	92.52
10-20	282.95
20-30	501.37
30-40	765.45
40-50	1069.11
50-60	1351.59
60-70	1321.24
70-80	843.97
80-90	386.07

Candela Tabulation

Q	
0	962.214
5	977.210
15	1005.070
25	1088.950
35	1231.220
45	1404.200
55	1584.550
65	1505.240
75	904.790
85	408.170
90	222.880

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%	0%	0%
0		118	118	118	118	114	114	114	114	108	108	108	103	103	103	97	97	97	97	97	97	97	97	95
1		104	98	92	87	101	95	90	85	90	85	82	85	81	78	80	77	75	72	72	72	72	72	72
2		92	82	73	66	89	80	72	65	75	68	63	71	65	60	67	62	58	56	56	56	56	56	56
3		82	70	60	52	79	68	58	51	64	56	49	60	53	48	57	51	46	44	44	44	44	44	44
4		74	60	50	42	71	58	49	41	55	46	40	52	45	39	49	43	38	35	35	35	35	35	35
5		67	52	42	34	65	51	41	34	48	39	33	45	38	32	43	36	31	29	29	29	29	29	29
6		61	46	36	29	59	45	35	28	42	34	28	40	33	27	38	31	26	24	24	24	24	24	24
7		56	41	31	24	54	40	31	24	38	30	24	36	29	23	34	27	22	20	20	20	20	20	20
8		52	37	28	21	50	36	27	21	34	26	20	33	25	20	31	24	19	17	17	17	17	17	17
9		48	34	25	18	47	33	24	18	31	23	18	30	23	17	28	22	17	15	15	15	15	15	15
10		45	31	22	16	44	30	22	16	29	21	16	27	20	15	26	20	15	13	13	13	13	13	13

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance