

4OV2R-LED

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
10000	9099	92W
8000	8099	74W
6000	6009	64W
5000	5157	57W
2000	2044	21W

Based on 4000K, 90+ CRI. Actual wattage may vary +/- 5%

FEATURES

The OV2R is a vandal-resistant linear fixture for both wall and ceiling mount applications. Gasketed construction withstands harsh, high-impact conditions, including moisture, dust, and insects. Applications include security public, or high abuse areas, correctional facilities, institutions, schools, shopping centers, public buildings, and airports.

LUMENS	2000L, 5000L, 6000L, 8000L, 10000L
CCT	30K, 35K, 40K, 50K
CRI	85+
COLOR QUALITY	3 Step MacAdam Ellipse
LENGTH	4'
MOUNTING	Surface
DIMMING & CONTROL	0-10V Flicker Free 1% Dimming Standard (DIM10)
EMERGENCY	10W - Up to 1000L output
LIFETIME	L70 at 100,000 Hours
PHOTOMETRIC TESTS	In Accordance with IES LM79-08, LM80 and TM-30, TM-21



OPTICS

This is the White Opal (70-80% Opaque) Diffuser polycarbonate lens with linear internal ribbed that provides uniform light distribution while obscuring lamp image and direct glare.

CONSTRUCTION

Die-formed heavy-gauge steel housing with white powder coat finish. Neoprene gasket eliminates moisture and dust, and repels insects. Integral, molded locking lugs reinforce retention screws. Drill points for maximum security. Vandal-resistant stainless steel hardware standard. Lens securely attached to body with stainless steel screws.

MOUNTING

Wall or ceiling mounting for indoor or outdoor locations. For continuous row mounting, please consult factory.

OPTIONS

Fixtures can be shipped pre-installed with daylight harvesting controls, occupancy sensors, and/or power pack. Optional emergency battery back-up shipped pre-installed and emergency push button is pre-installed on the fixture. Color-tuning technologies are also available: Tunable White, RGB+W, and Warm Dim. Please consult factory for details.

ELECTRICAL

Powered by constant-current LED drivers 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

Standard 0-10V dimming on either 120 or 277V. Lutron dimming also available. Consult factory for dimmer compatibility.

WARRANTY

Five-year warranty for parts and components. (Labor not included).

LISTINGS

UL/C-UL listed to US and Canadian standard

Example: **4-OV2R-LED-2000L-DIM10-MVOLT-30K**

4	OV2R	LED								
FIXTURE SIZE	SERIES	TYPE	LUMENS	DIMMING	VOLTAGE	CCT	CRI	EMERGENCY		
4 - 4'	OV2R Vandal Resistant Linear	LED	2000L 5000L 6000L 8000L 10000L	DIM10 - 0-10V Dimming	MVOLT 347* * Consult factory for details	30K 35K 40K 50K	85	O-EMG-LED-10W		
									WIRING OPTIONS	
									FBF- Internal Fast Blow Fuse SBF- Internal Slow Blow Fuse RIS- Radio Interference Sensor	
									OTHER OPTIONS	
									OSM3D-V1W - Motion Sensor OSM3D-V1W-20 - Motion Sensor OSM3D-V1W-50 - Motion Sensor USA - Made in America Compliance	

4-OV2R-LED-2000L-DIM10-MVOLT-40K-85

INPUT WATTS: **21.6**

LUMENS: 2044

CRI: **85**

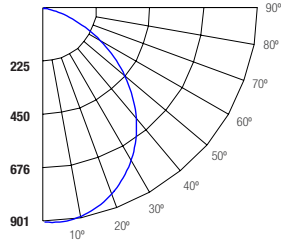
EFFICACY: **95**

CCT: **4000K**

TEST NO.: **EL01212057**

SPACING CRITERIA: **1.26**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	320.82	15.7	15.7
0-30	663.75	32.5	32.5
0-40	1050.72	51.4	51.4
0-60	1699.47	83.1	83.1
0-80	1966.3	96.2	96.2
0-90	2004.96	98.1	98.1

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	228763	245517	254008
55	198499	214976	213120
65	172676	181310	152362
75	170069	163760	65123
85	275868	237575	7698

Lumens Per Zone

Zone	Lumens
0-10	84.46
10-20	236.37
20-30	342.93
30-40	386.96
40-50	363.92
50-60	284.83
60-70	178.95
70-80	87.87
80-90	38.67

Candela Tabulation

Q	
0	898.52
5	891.89
15	838.89
25	741.33
35	613.95
45	472.56
55	332.61
65	213.19
75	128.59
85	70.24
90	50.82

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%				50%				30%			
	70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%
0	119	119	119	119	116	116	116	116	110	110	110	110	105	105	105	105	100	100	100	100	98							
1	109	105	101	97	106	102	99	96	98	95	92	88	94	91	89	86	88	86	84	82	84							
2	100	93	86	81	97	91	85	80	87	82	78	74	83	79	76	72	74	72	70	68								
3	92	82	75	69	89	81	74	68	77	71	67	63	74	69	65	62	67	64	62	60								
4	85	74	65	59	82	72	65	59	69	63	58	54	67	61	57	55	60	56	54	52								
5	78	66	58	52	76	65	57	51	63	56	50	46	61	55	50	47	53	49	47	45								
6	73	60	52	46	71	59	51	45	57	50	45	41	55	49	44	41	48	44	42	40								
7	68	55	46	41	66	54	46	40	52	45	40	36	51	44	40	37	43	39	37	35								
8	63	50	42	36	61	49	42	36	48	41	36	32	47	40	36	33	39	35	33	31								
9	59	46	38	33	58	46	38	33	44	37	33	30	43	37	32	29	36	32	30	28								
10	55	43	35	30	54	42	35	30	41	34	30	27	40	34	30	27	33	29	27	25								

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

4-OV2R-LED-5000L-DIM10-MVOLT-40K-85

INPUT WATTS: **57.8**

LUMENS: 5157

CRI: **85**

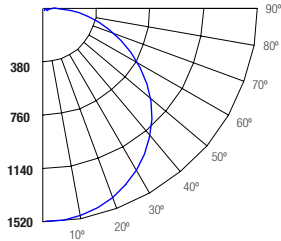
EFFICACY: **89**

CCT: **4000K**

TEST NO.: **EL01212057**

SPACING CRITERIA: **1.42**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	558.12	10.8	10.8
0-30	1192.3	23.1	23.1
0-40	1970.24	38.2	38.2
0-60	3578.01	69.5	69.4
0-80	4644.34	90.2	90.1
0-90	4876.05	94.7	94.6

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	4178	4100	3982
55	4243	4099	3876
65	4396	4104	3639
75	5020	4278	3124
85	9667	6928	1746

Lumens Per Zone

Zone	Lumens
0-10	143.95
10-20	414.17
20-30	634.18
30-40	777.94
40-50	827.8
50-60	779.98
60-70	636.17
70-80	430.16
80-90	231.71

Candela Tabulation

Q	
0	1520.33
5	1517.42
15	1472.79
25	1385.6
35	1259.86
45	1099.01
55	905.22
65	690.98
75	483.29
85	313.38
90	242.02

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%				50%				30%			
	70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%
0	118	118	118	118	115	115	115	115	108	108	108	108	102	102	102	102	97	97	97	97	95							
1	106	101	96	92	103	98	94	90	93	89	86	82	88	85	82	83	81	79	76	74								
2	96	87	80	73	93	85	78	72	80	74	70	66	76	71	67	72	68	65	62	60								
3	87	76	67	60	84	74	66	59	70	63	58	54	67	61	56	63	58	54	52	50								
4	80	67	58	51	77	65	57	50	62	55	49	45	59	53	47	56	51	46	44	42								
5	73	60	50	43	70	58	49	43	55	48	42	38	53	46	41	50	45	40	38	36								
6	67	54	44	38	65	52	44	37	50	42	36	32	48	41	36	46	40	35	33	31								
7	62	48	39	33	60	47	39	33	45	38	32	28	43	37	32	41	35	31	29	27								
8	58	44	35	29	56	43	35	29	41	34	29	25	40	33	28	38	32	28	26	24								
9	54	40	32	26	52	40	32	26	38	31	26	22	37	30	25	35	29	25	23	21								
10	51	37	29	24	49	36	29	24	35	28	23	20	34	27	23	33	27	23	21	19								

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

4-OV2R-LED-6000L-DIM10-MVOLT-40K-85

INPUT WATTS: **64.6**

LUMENS: 6009

CRI: **85**

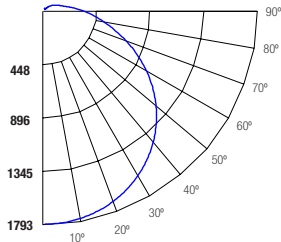
EFFICACY: **93**

CCT: **4000K**

TEST NO.: **EL09092021**

SPACING CRITERIA: **1.42**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	653.79	10.9	10.9
0-30	1395.58	23.2	23.2
0-40	2303.41	38.3	38.3
0-60	4164.76	69.3	69.3
0-80	5389.55	89.7	89.7
0-90	5660.53	94.2	94.2

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	4622	4783	4909
55	4461	4771	4993
65	4130	4765	5189
75	3422	5002	5985
85	1708	8480	11888

Lumens Per Zone

Zone	Lumens
0-10	168.73
10-20	485.06
20-30	741.78
30-40	907.84
40-50	962.45
50-60	898.9
60-70	731.75
70-80	493.04
80-90	270.98

Candela Tabulation

Q	
0	1782.427
5	1775.63
15	1716.4
25	1602.01
35	1433.82
45	1215.62
55	951.84
65	649.29
75	329.44
85	55.36
90	3.62

4-OV2R-LED-8000L-DIM10-MVOLT-40K-85

INPUT WATTS: 74

LUMENS: 8099

CRI: 85

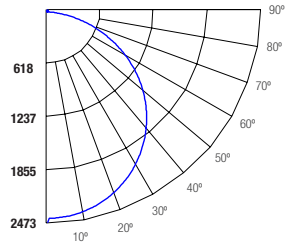
EFFICACY: 109

CCT: 4000K

TEST NO.: EL011695

SPACING CRITERIA: 1.42

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	892.48	11	11
0-30	1904.12	23.5	23.5
0-40	3140.97	38.8	38.8
0-60	5673.33	70	70
0-80	7324.6	90.4	90.4
0-90	7673.02	94.7	94.7

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	13427	13071	12382
55	13605	13059	11952
65	14031	13084	11070
75	15891	13537	9222
85	30559	21817	4570

Lumens Per Zone

Zone	Lumens
0-10	230.37
10-20	662.11
20-30	1011.64
30-40	1236.85
40-50	1310.12
50-60	1222.23
60-70	991.25
70-80	660.02
80-90	348.42

Candela Tabulation

Q	
0	2435.103
5	2450.356
15	2377.934
25	2235.805
35	2030.839
45	1765.695
55	1451.286
65	1102.779
75	764.922
85	495.331
90	385.972

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

	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%			
ROOM CAVITY RATIO	0	118	118	118	118	114	114	114	114	108	108		102	102	102	97	97	97	95			
	1	106	101	96	92	103	98	94	90	93	89	86	88	85	82	83	81	79	77			
	2	96	87	80	74	93	85	78	72	80	75	70	76	72	68	72	69	65	63			
	3	87	76	68	61	84	74	66	60	70	64	58	67	61	56	64	59	55	52			
	4	80	67	58	51	77	65	57	50	62	55	49	59	53	48	56	51	47	44			
	5	73	60	51	44	71	58	50	43	56	48	42	53	46	41	51	45	40	38			
	6	67	54	45	38	65	52	44	38	50	42	37	48	41	36	46	40	35	33			
	7	62	49	40	33	60	48	39	33	45	38	32	44	37	32	42	36	31	29			
	8	58	44	36	30	56	43	35	29	42	34	29	40	33	28	38	32	28	26			
	9	54	41	32	27	52	40	32	26	38	31	26	37	30	26	35	29	25	23			
10	51	37	29	24	49	37	29	24	35	28	23	34	28	23	33	27	23	21				

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance