

OWP-FC-311-LED

LED Large Full Cut-Off Wall Pack Series

up to 135 Wattage / up to 18000 Lumens

Catalog Number:

Project Name:

Note:

Type:



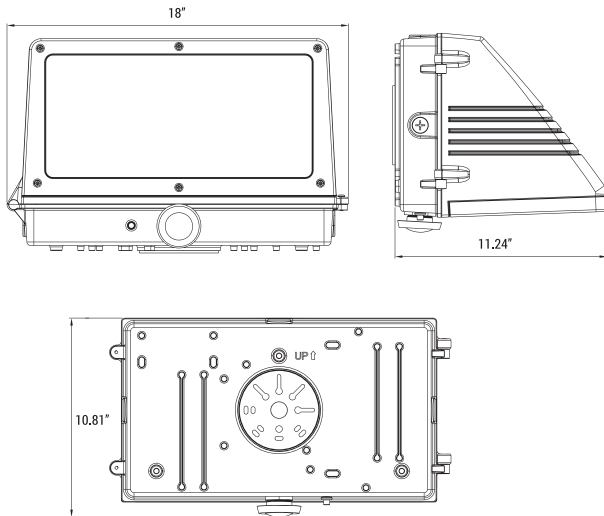
APPLICATIONS:

This rugged large size full cut-off LED wall pack provides long lasting, energy efficient lighting with a variety of options to customize fixture performance to the required task. Easily mounts to building and is ideal for industrial, educational, multi-family, institutional, and government applications.

FEATURES:

- Full cut-off and compliance to Dark Sky requirement
- Lumen output from 10000 - 18000lm with efficacy up to 137lm/W
- 77W-135W power consumption, to replace 250W MH and 400W MH
- Motion sensor and Photocell
- Optional battery back-up option for emergency egress lighting
- Type III polycarbonate optical lens with integrated lens
- Operating temperature is -40°C to 50°C (-40°F to 122°F)
- Dimmable
- UL/cUL wet location

DIMENSION:



SPECIFICATIONS:

LUMENS	10000/ 12000 / 14500 / 18000 lumens
WATTAGE	77W / 93W / 109W / 135W
CCT	40K-50K
CRI	80
LIGHT EFFICIENCY	up to 137 lumens/watt
VOLTAGE	120-277 VAC
POWER FREQUENCY	50/60 Hz
FINISH	Bronze
APPLICABLE ENVIRONMENT	Dry/Damp/Wet location
WORKING TEMPERATURE	-40°C to 50°C



Ordering Guide > Example: **OWP-FC-311-LED-18000L-DIM10-MVOLT-40K-BZ**

OWP-FC-311-LED							
SERIES	PERFORMANCE	DIMMING	VOLTAGE	CCT	FINISH	EMERGENCY	ACCESSORIES
OWP-FC-311-LED	10000L - 10000 lumens 12000L - 12000 lumens 14500L - 14500 lumens 18000L - 18000 lumens	DIM10 - 0-10V Dimming	MVOLT - 120-277V	40K - 4000K 50K - 5000K	BZ - Bronze	0-EMG-LED	WPPHC - Photocell WPMS - Motion Sensor FSP311-B - 0-10V continuous dimming PIR photo/motion sensor with bluetooth control option.

* For more options, consult factory

OWP-FC-311-LED

LED Large Full Cut-Off Wall Pack Series

OWP-FC-311-LED-10000L-DIM10-MVOLT-40K-BZ

INPUT WATTS: **76.8**

LUMENS: **10492**

CRI: **N/A**

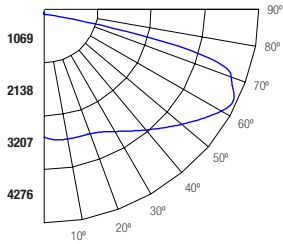
EFFICACY: **137**

CCT: **4000K**

TEST NO.: **EL11192068**

SPACING CRITERIA: **1.70**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	900.35	8.6	8.6
0-30	1975.25	18.8	18.8
0-40	3460.06	33	33
0-60	7459.06	71.1	71.1
0-80	10300.9	98.2	98.2
0-90	10378.21	98.9	98.9

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	25006	27098	21854
55	29159	37017	27609
65	25569	46847	33463
75	3500	38550	21851
85	3712	4287	2255

Lumens Per Zone

Zone	Lumens
0-10	232.14
10-20	668.21
20-30	1074.9
30-40	1484.81
40-50	1882.34
50-60	2116.66
60-70	1908.47
70-80	933.37
80-90	77.32

Candela Tabulation

0	0
0.0	2474.476
5.0	2654.1
15.0	2802.9
25.0	2935.2
35.0	3067.66
45.0	3255.57
55.0	3079.35
65.0	1989.62
75.0	166.77
85.0	59.57
90.0	20.23

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

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%	0%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	101	101	101	99	99	99	99
1	108	103	98	94	105	100	96	92	96	92	89	91	89	86	88	85	83	81	81	81	81	81	81	81
2	97	88	80	74	94	85	79	73	82	76	71	78	73	69	75	71	67	65	65	65	65	65	65	65
3	87	75	66	59	84	74	65	59	70	63	57	67	61	56	65	59	55	53	53	53	53	53	53	53
4	79	66	56	49	76	64	55	48	61	54	47	59	52	47	56	51	46	43	43	43	43	43	43	43
5	72	58	48	41	69	56	47	40	54	46	40	52	45	39	50	44	39	36	36	36	36	36	36	36
6	66	51	42	35	64	50	41	34	48	40	34	46	39	33	45	38	33	31	31	31	31	31	31	31
7	60	46	36	30	59	45	36	30	43	35	29	42	34	29	40	34	29	27	27	27	27	27	27	27
8	56	41	32	26	54	41	32	26	39	31	26	38	31	25	37	30	25	23	23	23	23	23	23	23
9	52	38	29	23	51	37	29	23	36	28	23	35	28	23	34	27	22	20	20	20	20	20	20	20
10	49	35	26	21	47	34	26	21	33	26	20	32	25	20	31	25	20	18	18	18	18	18	18	18

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

OWP-FC-311-LED-12000L-DIM10-MVOLT-50K-BZ

INPUT WATTS: **93.07**

LUMENS: **12402**

CRI: **N/A**

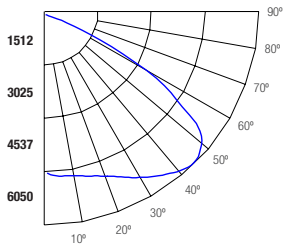
EFFICACY: **133**

CCT: **5000K**

TEST NO.: **EL05082054**

SPACING CRITERIA: **1.54**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	1616.86	13	13
0-30	3514.66	28.3	28.3
0-40	6036.37	48.6	48.7
0-60	11338.32	91.4	91.4
0-80	12398.12	99.9	100
0-90	12398.24	99.9	100

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	1800064	2019210	1932592
55	1111078	1812332	1992963
65	125155	688253	1554645
75	60995	56175	38008
85	93	355	123

Lumens Per Zone

Zone	Lumens
0-10	421.56
10-20	1195.3
20-30	1897.8
30-40	2521.71
40-50	2910.84
50-60	2391.11
60-70	988.04
70-80	71.76
80-90	0.12

Candela Tabulation

0	0
0	4539.79
5	4737.85
15	4891.96
25	5100.81
35	5203.64
45	4734.45
55	2370.46
65	196.74
75	58.72
85	0.03
90	0.08

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

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%	0%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100	100	100	100
1	111	107	103	100	108	105	101	98	100	98	95	97	94	93	93	91	90	88	88	88	88	88	88	88
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75	75	75	75	75	75	75
3	93	84	77	71	91	82	76	70	79	74	69	77	72	68	74	70	67	64	64	64	64	64	64	64
4	86	75	66	60	83	73	66	60	71	64	59	69	63	58	66	62	57	55	55	55	55	55	55	55
5	79	67	58	52	77	66	58	52	63	56	51	61	55	51	60	54	50	48	48	48	48	48	48	48
6	73	60	51	45	71	59	51	45	57	50	45	56	49	44	54	48	44	42	42	42	42	42	42	42
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37	37	37	37	37	37	37
8	62	49	41	35	61	49	41	35	47	40	35	46	39	35	45	39	35	33	33	33	33	33	33	33
9	58	45	37	32	57	44	37	31	43	36	31	42	36	31	41	35	31	29	29	29	29	29	29	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26	26	26	26	26	26	26

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

OWP-FC-311-LED-14500L-DIM10-MVOLT-50K-BK

INPUT WATTS: **108.9**

LUMENS: **14644**

CRI: **N/A**

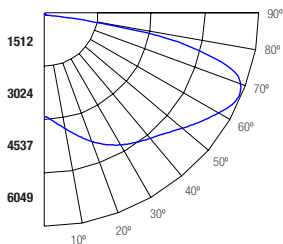
EFFICACY: **134**

CCT: **5000K**

TEST NO.: **EL10152093**

SPACING CRITERIA: **1.86**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	1163.53	7.9	7.9
0-30	2685.43	18.3	18.3
0-40	4800.91	32.8	32.8
0-60	10207.12	69.7	69.7
0-80	14302.64	97.7	97.7
0-90	14483.82	98.9	98.9

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	42733	51519	41341
55	46951	68578	49347
65	46760	89955	53673
75	7198	94625	32398
85	8526	22331	4165

Lumens Per Zone

Zone	Lumens
0-10	283.4
10-20	880.13
20-30	1521.9
30-40	2115.48
40-50	2583.09
50-60	2823.12
60-70	2613.9
70-80	1481.61
80-90	181.19

Candela Tabulation

0	0
0	2938.751
5	3191.21
15	3627.38
25	4122.76
35	4331.6
45	4214.78
55	3756.35
65	2756.46
75	259.87
85	103.65
90	45.44

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99			
	1	107	102	97	93	104	100	95	91	95	92	88	91	88	85	87	85	83	80			
	2	96	87	79	73	93	85	78	72	81	75	70	77	73	68	74	70	66	64			
	3	86	75	66	58	84	73	64	58	70	62	56	67	61	55	64	59	54	52			
	4	78	65	55	48	76	63	54	47	61	53	47	58	51	46	56	50	45	43			
	5	71	57	47	40	69	56	47	40	54	45	39	51	44	39	49	43	38	36			
	6	65	51	41	34	63	50	40	34	48	39	33	46	38	33	44	38	32	30			
	7	60	45	36	29	58	45	36	29	43	35	29	41	34	29	40	33	28	26			
8	56	41	32	26	54	40	32	26	39	31	25	37	30	25	36	30	25	23				
9	52	37	29	23	50	37	28	23	35	28	22	34	27	22	33	27	22	20				
10	48	34	26	20	47	34	26	20	33	25	20	32	25	20	31	24	20	18				

OWP-FC-311-LED

LED Large Full Cut-Off Wall Pack Series

OWP-FC-311-LED-18000L-DIM10-MVOLT-50K-BK

TEST NO.: EL10152092

INPUT WATTS: 134.8

LUMENS: 17245

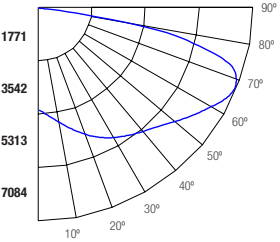
CRI: N/A

EFFICACY: 128

CCT: 5000K

SPACING CRITERIA: 1.86

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	1365.85	7.9	7.9
0-30	3152.84	18.3	18.3
0-40	5639.34	32.7	32.7
0-60	11991.93	69.5	69.5
0-80	16837.81	97.6	97.6
0-90	17055.42	98.9	98.9

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	50221	60552	48386
55	55496	80578	57670
65	55895	106246	62631
75	9087	113909	37887
85	10346	26621	4977

Lumens Per Zone

Zone	Lumens
0-10	332.79
10-20	1033.06
20-30	1786.99
30-40	2486.5
40-50	3034.89
50-60	3317.7
60-70	3082.63
70-80	1763.25
80-90	217.61

Candela Tabulation

0
0.0
3450.769
5.0
3761.94
15.0
4264.11
25.0
4852.42
35.0
5103.41
45.0
4953.37
55.0
4439.99
65.0
3294.94
75.0
328.04
85.0
125.77
90.0
55.84

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
	1	107	102	97	93	104	100	95	91	95	91	88	91	88	85	87	85	83	80
	2	96	87	79	73	93	85	78	72	81	75	70	77	72	68	74	70	66	64
	3	86	75	65	58	84	73	64	58	70	62	56	67	60	55	64	59	54	52
	4	78	65	55	48	76	63	54	47	61	53	46	58	51	46	56	50	45	42
	5	71	57	47	40	69	56	47	40	53	45	39	51	44	38	49	43	38	36
	6	65	51	41	34	63	50	40	34	48	39	33	46	38	33	44	37	32	30
	7	60	45	36	29	58	45	36	29	43	35	29	41	34	28	40	33	28	26
8	56	41	32	26	54	40	32	25	39	31	25	37	30	25	36	30	25	23	
9	52	37	29	23	50	37	28	23	35	28	22	34	27	22	33	27	22	20	
10	48	34	26	20	47	34	26	20	33	25	20	31	25	20	30	24	20	18	

RC - Ceiling Cavity Reflectance RW - Wall Reflectance