

OFL-101-LED

LED Architectural Small Floodlight Series

up to 50 Wattage / up to 5000 Lumens

Catalog Number:

Project Name:

Note:

Type:



APPLICATIONS:

The small architectural LED floodlight is the ideal compact solution when illuminating buildings, facades, displays, and small signage. Multiple lumen packages, standard 0-10V dimming, and four color temperatures provide the options needed for the design versatility that you crave. Long-lasting LEDs allow for years of maintenance free operation, saving time and money compared to traditional MH options.

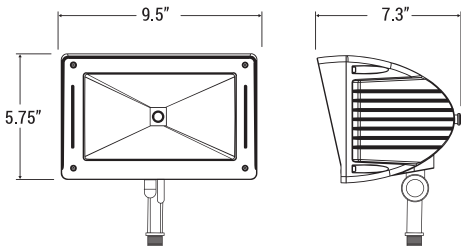
FEATURES:

- Die-cast aluminum body with integrated heat sinking to maximize performance and long fixture life
- MVOLT 120-277V
- Light output from 2000-5000lm with efficacy up to 115 lm/W
- Replacing 70-175W MH
- Fixtures are suitable for use in ambients from -34°C to 40°C (-30°F to 104°F)
- UL/cUL wet location listed

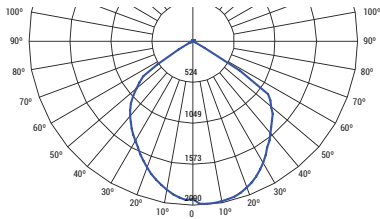
LED LIGHT ENGINE:

LED light engine eliminates the need for a glass lens, providing the maximum amount of light output. Use of the latest generation LEDs means a higher lumen output from fewer LEDs, resulting in lower costs with greater efficacy.

DIMENSION:



PHOTOMETRICS:



* For list of qualified DLC fixture, please consult factory



FOR WET LOCATION



DIMMABLE
0-10V DIMMING

B	U	G
2	3	0

SPECIFICATIONS:

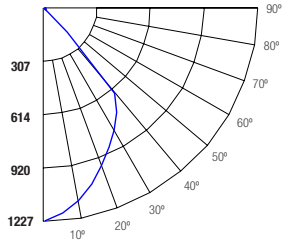
LUMENS	2000 / 3000 / 4000 / 5000 lumens
WATTAGE	20W / 30W / 40W / 51W
CCT	30K, 35K, 40K, 50K
CRI	80
LIGHT EFFICIENCY	115 lumens/watt
VOLTAGE	120-277 VAC
POWER FREQUENCY	50/60 Hz
FINISH	Bronze
APPLICABLE ENVIRONMENT	Dry/Damp/Wet location
WORKING TEMPERATURE	-40°C to 40°C

Ordering Guide > Example: OFL-101-LED-5000L-DIM10-MVOLT-40K-BZ

OFL-101-LED					
SERIES	PERFORMANCE	DIMMING	VOLTAGE	CCT	FINISH
OFL-101-LED	2000L - 2000 lumens 3000L - 3000 lumens 4000L - 4000 lumens 5000L - 5845 lumens	DIM10 - 0-10V Dimming	MVOLT - 120-277V	30K - 3000K 35K - 3500K 40K - 4000K 50K - 5000K	BZ - Bronze

STANDARD ARM MOUNT:

The design features an integral arm, increasing strength and simplifying installation.

OFL-101-LED-2000L-DIM10-MVOLT-40K-BZTEST NO.: **EL0818141**INPUT WATTS: **25.3**LUMENS: **2666**CRI: **N/A**EFFICACY: **105**CCT: **4000K**SPACING CRITERIA: **1.30****Candle Power Distribution (Candelas)****Zonal Lumens Summary**

Zone	Lumens	%Lamp	%Fixt
0-20	432.37	16.3	16.2
0-30	901.5	33.9	33.8
0-40	1452.34	54.7	54.5
0-60	2355.82	88.7	88.4
0-80	2629.05	98.9	98.6
0-90	2635.72	99.2	98.9

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	24368	18553	6025
55	20152	1566	416
65	16020	316	233
75	1320	44	26
85	463	307	253

Lumens Per Zone

Zone	Lumens
0-10	113.65
10-20	318.72
20-30	469.13
30-40	550.84
40-50	518.79
50-60	384.69
60-70	224.23
70-80	49
80-90	6.67

Candela Tabulation

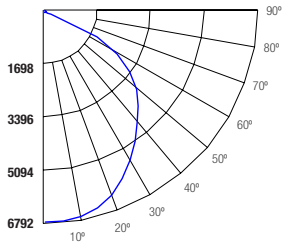
Q	
0	1209.726
5	1188.86
15	1124.69
25	1029.03
35	917.65
45	734.16
55	492.5
65	288.48
75	14.56
85	1.72
90	1.11

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99			
	1	111	107	103	100	108	105	101	98	100	98	95	96	94	92	92	91	89	87			
	2	102	95	89	84	100	93	88	83	90	85	81	86	82	79	83	80	77	75			
	3	94	85	78	72	92	83	77	71	80	74	70	77	73	69	75	71	67	65			
	4	87	76	68	62	84	75	67	62	72	66	61	70	64	60	67	63	59	57			
	5	80	68	60	54	78	67	60	54	65	58	53	63	57	53	61	56	52	50			
	6	74	62	54	48	72	61	53	48	59	52	47	57	51	47	56	50	46	44			
	7	69	57	48	43	67	56	48	42	54	47	42	53	46	42	51	46	41	39			
	8	64	52	44	38	63	51	43	38	50	43	38	48	42	38	47	42	37	35			
	9	60	48	40	35	59	47	40	35	46	39	34	45	39	34	44	38	34	32			
10	57	44	37	32	55	44	36	31	42	36	31	42	35	31	41	35	31	29				

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

OFL-101-LED-3000L-DIM10-MVOLT-40K-BZTEST NO.: **EL061834**INPUT WATTS: **27.6**LUMENS: **3010**CRI: **N/A**EFFICACY: **109**CCT: **4000K**SPACING CRITERIA: **1.30****Candle Power Distribution (Candelas)****Zonal Lumens Summary**

Zone	Lumens	%Lamp	%Fixt
0-20	507.43	16.9	16.9
0-30	1054.97	35.2	35
0-40	1692.45	56.4	56.2
0-60	2743.39	91.4	91.1
0-80	2973.4	99.1	98.8
0-90	2977.19	99.2	98.9

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	12631	11197	9488
55	10126	6672	196
65	7926	147	130
75	433	59	6
85	178	105	69

Lumens Per Zone

Zone	Lumens
0-10	133.37
10-20	374.06
20-30	547.54
30-40	637.48
40-50	616.45
50-60	434.49
60-70	202.78
70-80	27.23
80-90	3.8

Candela Tabulation

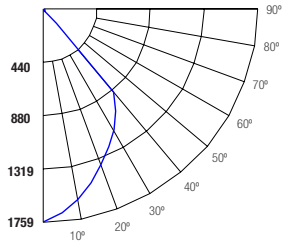
Q	
0	1418.317
5	1402.94
15	1326.63
25	1209.91
35	1061.25
45	830.52
55	540.07
65	311.5
75	10.42
85	1.44
90	1.03

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99	
	1	111	107	104	101	109	105	102	99	101	98	96	97	95	93	93	91	90	88	
	2	103	96	90	86	100	94	89	85	91	86	83	87	84	81	84	81	79	77	
	3	95	86	79	73	93	84	78	73	81	76	71	79	74	70	76	72	69	67	
	4	88	77	69	64	85	76	69	63	73	67	62	71	66	61	69	64	60	58	
	5	81	70	62	56	79	68	61	55	66	60	55	64	59	54	62	57	53	51	
	6	75	63	55	49	73	62	55	49	60	54	48	59	53	48	57	52	48	46	
	7	70	58	50	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41	
	8	65	53	45	39	64	52	45	39	51	44	39	49	43	39	48	43	38	37	
	9	61	49	41	36	60	48	41	36	47	40	35	46	40	35	45	39	35	33	
10	57	45	38	33	56	44	37	32	43	37	32	42	36	32	41	36	32	30		

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

OFL-101-LED-4000L-DIM10-MVOLT-40K-BZTEST NO.: **EL0818143**INPUT WATTS: **37.6**LUMENS: **3817**CRI: **N/A**EFFICACY: **102**CCT: **4000K**SPACING CRITERIA: **1.30****Candle Power Distribution (Candelas)****Zonal Lumens Summary**

Zone	Lumens	%Lamp	%Fixt
0-20	618.38	16.2	16.2
0-30	1289.39	33.9	33.8
0-40	2074.68	54.5	54.4
0-60	3361.65	88.3	88.1
0-80	3763.48	98.9	98.6
0-90	3773.08	99.1	98.9

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	34747	25858	4597
55	28618	1516	521
65	22712	399	313
75	1823	70	44
85	638	471	396

Lumens Per Zone

Zone	Lumens
0-10	162.55
10-20	455.83
20-30	671.01
30-40	785.29
40-50	733.48
50-60	553.5
60-70	328.65
70-80	73.18
80-90	9.6

Candela Tabulation

Q	
0	1730.134
5	1698.46
15	1607.83
25	1471.27
35	1310.87
45	1046.86
55	699.39
65	408.98
75	20.1
85	2.37
90	1.59

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	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	101	101	101	99
	1	111	107	103	100	108	104	101	98	100	97	95	96	94	92	92	91	89	87	
	2	102	95	89	84	99	93	88	83	89	85	81	86	82	79	83	80	77	75	
	3	94	85	77	72	92	83	76	71	80	74	70	77	72	68	75	71	67	65	
	4	87	76	68	62	84	74	67	61	72	66	60	70	64	60	67	63	59	57	
	5	80	68	60	54	78	67	59	54	65	58	53	63	57	52	61	56	52	50	
	6	74	62	54	48	72	61	53	47	59	52	47	57	51	46	56	50	46	44	
	7	69	56	48	42	67	56	48	42	54	47	42	52	46	42	51	45	41	39	
	8	64	52	44	38	63	51	43	38	50	43	38	48	42	37	47	41	37	35	
	9	60	48	40	35	59	47	39	34	46	39	34	45	38	34	44	38	34	32	
10	57	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29		

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

up to 50 Wattage / up to 5000 Lumens

Note:

Type:

OFL-101-LED-5000L-DIM10-MVOLT-40K

TEST NO.: **EL121850**

INPUT WATTS: **51.5**

LUMENS: **4960**

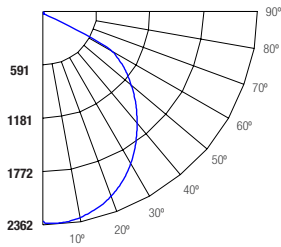
CRI: **N/A**

EFFICACY: **96**

CCT: **4000K**

SPACING CRITERIA: **1.28**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	833.35	16.8	16.8
0-30	1730.62	34.9	34.9
0-40	2773.62	55.9	55.9
0-60	4578.3	92.3	92.3
0-80	4902.41	98.8	98.8
0-90	4906.59	98.9	98.9

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	58435	59650	58344
55	51239	56648	31621
65	43189	21904	1107
75	2392	848	883
85	800	215	111

Lumens Per Zone

Zone	Lumens
0-10	219.37
10-20	613.98
20-30	897.27
30-40	1043
40-50	1028.27
50-60	776.42
60-70	296.95
70-80	27.15
80-90	4.19

Candela Tabulation

0	
0	2335.439
5	2353.27
15	2231.37
25	2043.71
35	1828.13
45	1457.01
55	1036.33
65	643.61
75	21.83
85	2.46
90	1.55

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%	50%	30%	10%	50%	30%	10%
ROOM CAVITY RATIO	0		119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	101	99				
	1		111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	91	90	88					
	2		103	96	90	86	100	94	89	85	90	86	82	87	84	81	84	81	79	77					
	3		95	86	79	73	92	84	78	73	81	76	71	78	74	70	76	72	69	67					
	4		87	77	69	64	85	76	69	63	73	67	62	71	66	61	69	64	60	58					
	5		81	69	61	56	79	68	61	55	66	60	55	64	58	54	62	57	53	51					
	6		75	63	55	49	73	62	54	49	60	53	48	58	52	48	57	52	47	46					
	7		70	57	49	44	68	57	49	44	55	48	43	54	47	43	52	47	43	41					
	8		65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	42	38	37					
	9		61	48	41	36	60	48	40	35	47	40	35	45	39	35	44	39	35	33					
	10		57	45	37	32	56	44	37	32	43	37	32	42	36	32	41	36	32	30					

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance