

# Floodlight Series (Large)

The OLFLL Series Floodlight is a stylish aerodynamic luminaire designed to complement the Optec LED Lighting family of architectural outdoor products. Excellent optical performance in multiple distributions is achieved via a COB LED array and a precision-engineered reflector. LED life is assured through efficient thermal coupling and dissipation via its durable, pressure die-cast, low-copper alloy, aluminum housing. Engineered to last, all gaskets are anti-UV, anti-aging with no harmful out-gassing. The OLFLL floodlight comes standard with a 2" Adjustable Knuckle, 0-10V dimming and 10kV surge suppression. Alternate mounting selections include trunnion bracket and pipe adapter. Each luminaire is also available with a number of options including multiple color temperatures and finishes, photocell, occupancy sensor, wireguard, and polycarbonate lens. All standard finishes are electrostatically applied and are available with an optional anodized base finish for use in natatorium or marine environments. The OLFLL floodlight is backed by Optec LED Lighting's 10-year warranty.



## FEATURES

- Color Temperatures: 3000K, 3500K, 4000K and 5000K
- CRI: 70
- Lumen Maintenance: L70=50,000 at 25 °C
- Operating Temperature Range: -40 °C to 40 °C
- Durable All Aluminum Pressure Die Cast Housing
- Long Life Durable Powder Coat Finish (Custom colors are available upon request.)
- IP65 Rated (wet listed)
- Mounting: 2" Adjustable Knuckle mount standard. Optional trunnion mount or adjustable straight arm mount available.

## ELECTRICAL SPECIFICATIONS

- Two Universal Voltage Driver Options: 120-277V and 347-480V
- Power Factor > 0.90
- THD < 0.85
- Control Options: 0-10V Dimming Standard (Photocell Optional)

## TESTS & CERTIFICATIONS

- ETL (to UL1598 standards)
- RoHS Compliant
- Design Lights Consortium (Premium)



CITIZEN



## WARRANTY

- 10-Year Warranty (Parts or Replacement)

## PERFORMANCE SPECIFICATIONS

Distribution	Model / Wattage	Lumens				Max Candela			
		3000K	3500K	4000K	5000K	3000K	3500K	4000K	5000K
3 x 3	OLFLL-080	6,929	7,234	7,501	7,615	29,210	30,495	31,618	32,099
	OLFLL-100	8,950	9,344	9,688	9,835	37,353	38,996	40,432	41,047
	OLFLL-120	9,780	10,210	10,586	10,747	41,471	43,295	44,890	45,572
	OLFLL-150	12,973	13,543	14,042	14,253	57,463	59,990	62,200	63,146
5 x 5	OLFLL-080	9,284	9,692	10,051	10,202	14,108	14,729	15,275	15,504
	OLFLL-100	12,285	12,825	13,300	13,500	20,324	19,598	20,324	20,629
	OLFLL-120	13,314	13,879	14,393	14,609	20,336	21,231	22,017	22,347
	OLFLL-150	17,324	17,164	18,756	19,037	20,924	21,844	22,653	22,993
7 x 6*	OLFLL-080	9,494	9,912	10,288	10,433	5,554	5,798	6,008	6,103
	OLFLL-100	11,805	12,324	12,625	12,973	6,842	7,144	7,393	7,520
	OLFLL-120	12,915	13,483	13,794	14,192	7,494	7,823	8,071	8,235
	OLFLL-150	17,222	17,980	19,599	18,925	9,645	10,070	10,983	10,599

\*Default Distribution

Voltage (V)	Current (A)			
	80W	100W	120W	150W
120	0.67	0.83	1.00	1.25
208	0.38	0.48	0.58	0.72
240	0.33	0.42	0.50	0.63
277	0.29	0.36	0.43	0.54
347	0.23	0.29	0.35	0.43
480	0.17	0.21	0.25	0.31

# Floodlight Series (Large)



## ORDERING INFORMATION

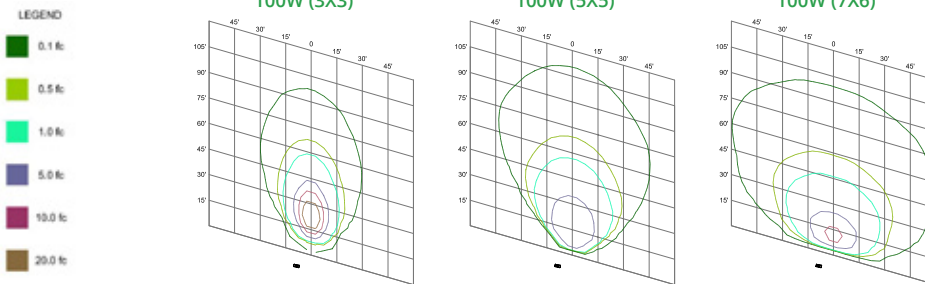
**EXAMPLE:** OLFL-100-UNVL-50-3X3-TR-BZ-PR3-TL12-WG

SERIES	WATTAGE	VOLTAGE	COLOR TEMP	DISTRIBUTION	MOUNT	FINISH	CONTROL / OPTIONS
OLFL = Optec LED Floodlight Large	080 = 80W 100 = 100W 120 = 120W 150 = 150W	UNVL = 120-277V UNVH = 347-480V	30 = 3000K 35 = 3500K 40 = 4000K 50 = 5000K	3 X 3 = Spot 5 X 5 = Flood 7 X 6 = Horizontal Flood	AK = Adjustable Knuckle <sup>1</sup> TR = Trunnion	BZ = Dark Bronze WH = White NA = Natural Aluminum BL = Black CC = Custom Color	PR3 = Photocell Receptacle for 3-pin Photocell PR5 = Photocell Receptacle for 5-pin Photocell UV = Upper Visor <sup>3</sup> LV = Lower Visor <sup>3</sup> PL = Polycarbonate lens WG = Wireguard TL12 = Twist Lock Photocell 120V <sup>2</sup> TL28 = Twist Lock Photocell 208V <sup>2</sup> TL24 = Twist Lock Photocell 240V <sup>2</sup> TL27 = Twist Lock Photocell 277V <sup>2</sup> TL34 = Twist Lock Photocell 347V <sup>2</sup> TL48 = Twist Lock Photocell 480V <sup>2</sup> TLSC = Twist Lock Shorting Cap

<sup>1</sup> AK = 2" Adjustable Knuckle/Slipfitter  
<sup>2</sup> Photocell Default = Fail in "ON" Mode (unless otherwise specified).  
<sup>3</sup> Upper Visor and Lower Visor can be specified together.

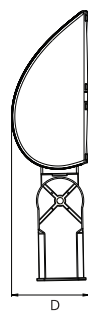
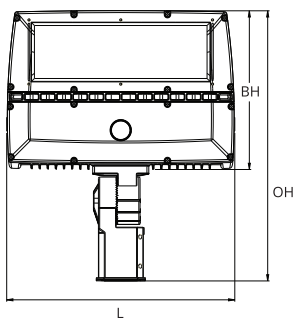
## PHOTOMETRIC PERFORMANCE

Isofootcandle plots = OLFL 100W model in 5000K CCT @ 15' setback. Distances are in units of mounting height.



Published luminaire photometric testing performed to IESNA-79-08 standards

## DIMENSIONS, WEIGHTS & MOUNTING



Wattage	80W	100W	120W	150W
L = Length (inches / mm)	14.11 / 366	14.11 / 366	14.11 / 366	14.11 / 366
D = Depth (inches / mm)	4.91 / 124.7	4.91 / 124.7	4.91 / 124.7	4.91 / 124.7
BH = Body Height (inches / mm)	10.02 / 254.6	10.02 / 254.6	10.02 / 254.6	10.02 / 254.6
OH = Overall Height (inches / mm)	17.06 / 433.4	17.06 / 433.4	17.06 / 433.4	17.06 / 433.4
Weight (lbs / kg)	16.76 / 7.6	17.42 / 7.9	18.74 / 8.5	19.40 / 8.8

Configuration	Effective Projected Area (EPA) in ft <sup>2</sup>
Wattage	1.710
80	1.710
100	1.710
120	1.710
150	1.710

