FFHP Series — LED Architectural Flood Lights

OVERVIEW

FFHP LED Architectural Flood Lights are the ultimate design tool for transforming buildings and outdoor spaces into works of art. The series is offered in wide and spot optical distributions to suit an array of applications including wall washing, flags and signage, statues, monuments, and large areas. It provides a high-intensity output along with the efficiency and cost-effectiveness of LED technology.

FEATURES

- Limited Warranty: 5 Years
- Efficacy: up to 136 LPW
- Lumen Output: 51,000 -135,000 L
- Wattage: 400 - 1,000 W

Project:	Type:
Prepared By:	Date:

Models

Model	Watts(W)	Lumens (LM)	Efficacy (LPW)
FFHP400	400	52,900	134
FFHP500	500	69,100	134
FFHP800	800	107,000	135
FFHP1000	1000	135,000	136

*Lumen Output based on 277V models at 5700K. Also available in Color Temperatures of 3000K, 4000K, and 5000K.

Technical Specifications

Warranty

PacLights warrants these LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. Please refer to our full warranty.

Qualifications

UL Listing:
File# E473037. Suitable for Wet Locations

IESNA LM79 & LM-80 Testing:
PacLights LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

DLC Qualification:
Selected models of this product are on the Design Lights Consortium (DLC) Qualified Products List and are eligible for rebates from DLC Member Utilities. To view our DLC qualified products, please consult the DLC Qualified Products List at www.designlights.org/qpl

Construction

IP Rating:
Ingress Protection rating of IP65 for dust and water

Ambient Temperature:
Suitable for up to 131°F (55°C) ambient temperature

Cold Weather Starting:
The minimum starting temperature is -40°F/-40°C

Thermal Management:
Superior thermal management with external Air-Flow fins.

Housing:
Aluminum housing with powder coating.

Mounting Methods:
Heavy-duty Trunnion Mount included. Slipfitter mounting option available.

Lens:
Polycarbonate

Gaskets:
Silicon Gaskets

Finish:
Our environmentally friendly polyester powder coating are formulated from high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

Light Beam Angle:
30°, 50° or 100°

Electrical

Drivers:
100-277V, 50-60 Hz. Optional 277-480v.
Power Factor > 95%
1-10v dimming
20kv surge protector preinstalled.
Easy-connect junction box included.

LED Characteristics

Lifespan:
100,000- hour LED lifespan based on IES LM-80 results and TM-21 calculations.

LEDs:
Multi-chip, high-output, long-life LEDs

Color Temp:
3000K, 4000K, 5000K, 5700K

Color Stability:
LED color temperature is warrantied to shift no more than 200K in CCT over a 5 year period

Color Uniformity:
PacLights range of CCT (Correlated Color Temperature) follows the guidelines of th American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2011
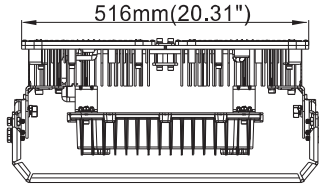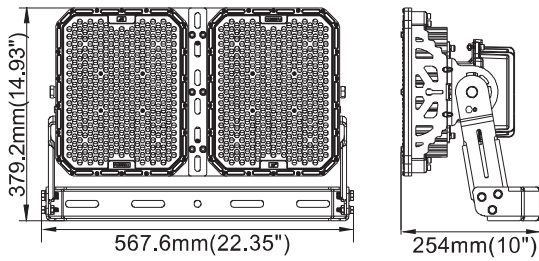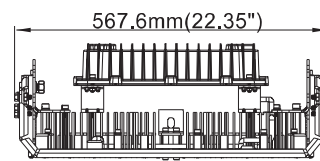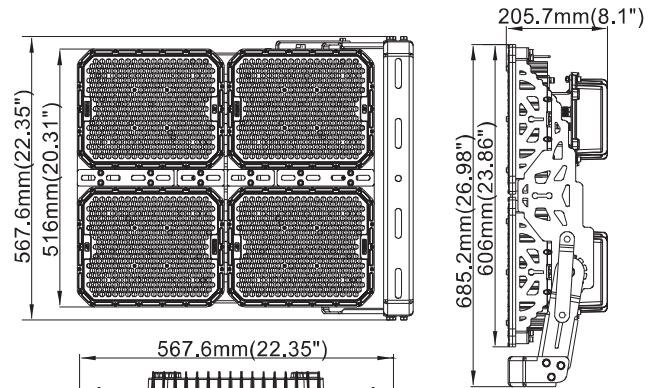
Color Rendering Index:
>70

Ordering Matrix

Family	Watts	Color Temperature	Beam Angle	Voltage	Housing Finish	Mount	Option
FFHP	500	50	50	LV	BL	P1	DM

Watts	Color Temperature	Beam Angle	Voltage	Housing Finish	Mount	Option
400 = 400w	**30** = 3000 K (warm white)	**30** = 30°	**LV** = 100-277*(Pre-conf.)*	**BL** = Black*(Pre-conf.)*	**P1** = Trunnion*(Pre-conf.)*	**ND** = Non-dimmable
500 = 500w	**40** = 4000 K (natural white)	**50** = 50° *(Pre-conf.)*	**HV** = 277-480	**WH** = White	**P2** = Slipfitter	**DM** = Dimmable*(Pre-conf.)*
800 = 800w	**50** = 5000 K (daylight) *(Pre-conf.)*	**100** = 100°		**SL** = Silver	*(400/500w only)*	**SE** = Photocell Sensor
1000 = 1000w	**57** = 5700 K (cool white)					

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Dimensions

379.2mm(14.93") · 567.6mm(22.35") · 254mm(10") · 516mm(20.31")

FFHP400
FFHP500

567.6mm(22.35") · 516mm(20.31") · 205.7mm(8.1") · 685.2mm(26.98") · 606mm(23.86")

567.6mm(22.35")

FFHP800
FFHP1000

Illuminance at Distance

FFHP400 (50° Lens)			FFHP500 (50° Lens)			FFHP800 (50° Lens)			FFHP1000 (50° Lens)		
Distance	Center Beam	Beam Width/ Length	Distance	Center Beam	Beam Width/ Length	Distance	Center Beam	Beam Width/ Length	Distance	Center Beam	Beam Width/ Length
30 ft	95.92 fc	24.5 ft	30 ft	117.97 fc	24.6 ft	30 ft	199.08 fc	23.7 ft	30 ft	249.99 fc	23.6 ft
60 ft	23.98 fc	49.0 ft	60 ft	29.49 fc	49.2 ft	60 ft	49.77 fc	47.4 ft	60 ft	62.50 fc	47.2 ft
90 ft	10.66 fc	73.5 ft	90 ft	13.11 fc	73.8 ft	90 ft	22.12 fc	71.1 ft	90 ft	27.78 fc	70.8 ft
120 ft	5.99 fc	98.0 ft	120 ft	7.37 fc	98.3 ft	120 ft	12.44 fc	94.8 ft	120 ft	15.62 fc	94.3 ft
150 ft	3.84 fc	122.5ft	150 ft	4.72 fc	122.9 ft	150 ft	7.96 fc	118.5 ft	150 ft	10.00 fc	117.9 ft

FFHP400 (30° Lens)			FFHP500 (30° Lens)			FFHP800 (30° Lens)			FFHP1000 (30° Lens)		
Distance	Center Beam	Beam Width/ Length	Distance	Center Beam	Beam Width/ Length	Distance	Center Beam	Beam Width/ Length	Distance	Center Beam	Beam Width/ Length
30 ft	185.27 fc	15.5 ft	30 ft	225.68 fc	15.5 ft	30 ft	401.01 fc	14.6 ft	30 ft	501.64 fc	14.6 ft
60 ft	46.23 fc	31.1 ft	60 ft	56.42 fc	31.1 ft	60 ft	100.25 fc	29.2 ft	60 ft	125.41 fc	29.2 ft
90 ft	20.59 fc	46.6 ft	90 ft	25.08 fc	46.6 ft	90 ft	44.56 fc	43.8 ft	90 ft	55.74 fc	43.9 ft
120 ft	11.58 fc	62.2 ft	120 ft	14.11 fc	62.2 ft	120 ft	25.06 fc	58.4 ft	120 ft	31.35 fc	58.5 ft
150 ft	7.41 fc	77.7 ft	150 ft	9.03 fc	77.7 ft	150 ft	16.04 fc	73.0 ft	150 ft	20.07 fc	73.1 ft
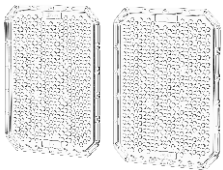
Optional Optical Lens

AC-FHP-L30
30º Beam Lens

AC-FHP-L100
100º Beam Lens

FFHP400/500 (requires 2 lens per fixture)
FFHP800/1000 (requires 4 lens per fixture)

AC-FHP-LS
Optional Laser Precision Aiming Device

Laser Device to be mounted to the FFHP flood lights for long distance precision aiming.

AC-FHP-SF
Optional Slip Fitter mount for FFHP400/500 only.

Slipfitter for mounting FFHP400/500 to a standard 2 3/8 inch pole.

AC-FHP-HD
Optional Glare Shield.

Fits all models

PacLights

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Note: specifications are subject to change at any time without notice

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