



OVERVIEW

The FFHS series is the ideal solution for professional caliber outdoor sports lighting with features designed with municipal, high school, collegiate and semi-professional outdoor sports venues in mind. Offering versatility for any outdoor sport including football, soccer, baseball, lacrosse and field hockey, the FFHS light delivers maintenance-free, professional sports lighting with a great return on investment. The FFHS series can also be used as high mast lights for large areas.

FEATURES

- Limited Warranty: 5 Years
- Efficacy: up to 147 LPW
- Lumen Output: 53,000-166,000 L
- Wattage: 400 - 1,200 W



Project:

Type:

Prepared By:

Date:

Models

Model	Watts(W)	Lumens (LM)	Efficacy (LPW)
FFHS400	400	54,812	135
FFHS500	500	66,916	131
FFHS600	600	89,533	147
FFHS750	750	105,916	142
FFHS1000	1000	136,722	133
FFHS1200	1200	165,675	133

*Lumen Output based on 277V models at 5700K. Also available in Color Temperatures of 4000K, 4500K 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 Spread:

NEMA 3x3 or NEMA 4x4

Electrical

Drivers:

100-277V, 50-60 Hz. Optional 277-480v.

Power Factor > 0.99

1-10v dimming

10kv 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:

4000K, 4500K, 5000K, 5700K

Color Stability:

LED color temperature is warranted 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 the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2011

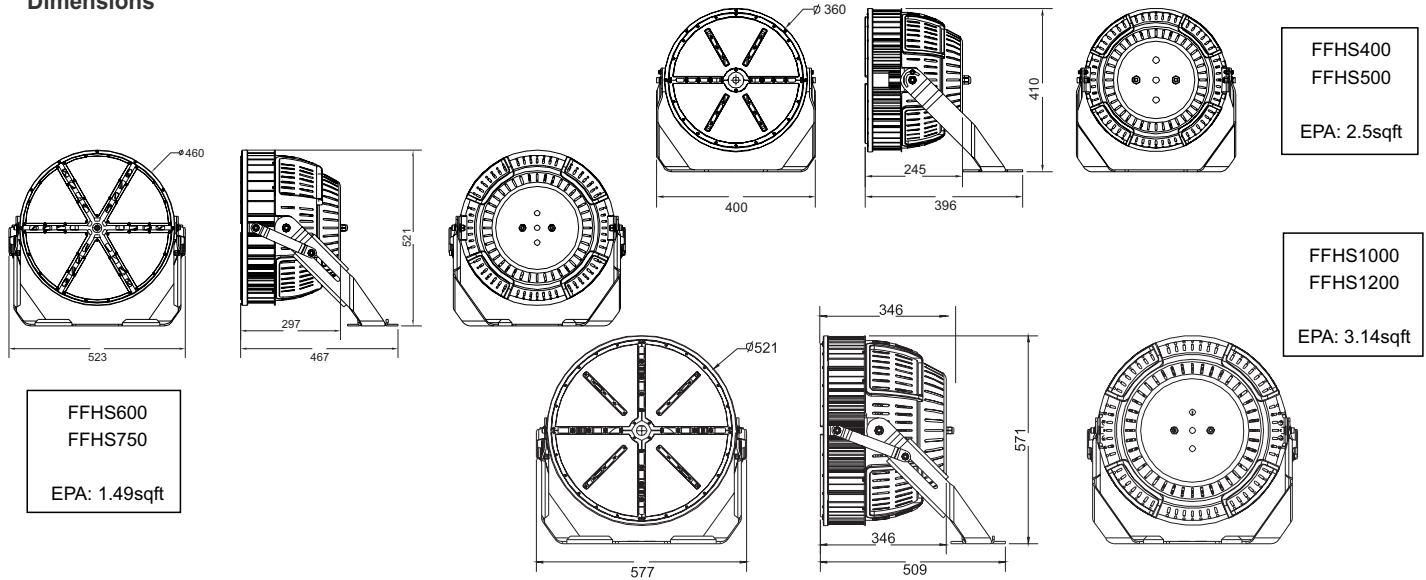
Color Rendering Index:

>70

Ordering Matrix

Family	Watts	Color Temperature	Beam Spread NEMA Types	Voltage	Housing Color	Option
FFHS	400	50	44	LV	BL	HD
	400 = 400w 500 = 500w 600 = 600w 750 = 750w 1000 = 1000w 1200 = 1200w	40 = 4000 K (neutral white) 45 = 4500 K 50 = 5000 K (daylight) (Pre-conf.) 57 = 5700 K (cool white)	44 = NEMA 4x4 (Pre-conf. 400/500w) 33 = NEMA 3x3 (Pre-conf. 600/750w) (Pre-conf. 1000/1200w)	LV = 100-277(Pre-conf.) HV = 277-480	BL = Black(Pre-conf.) WH = White SL = Silver	HD = glare shield "hood" Blank = none

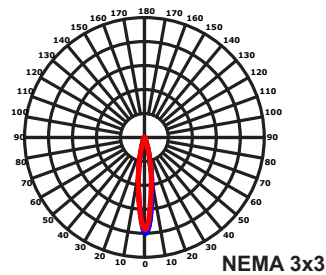
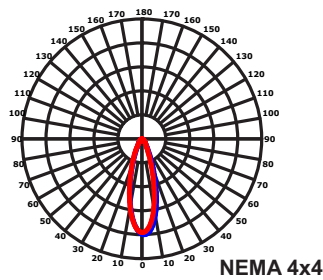
Dimensions



Mounting Suggestions



Luminous Intensity Curve



Illuminance at Distance

FFHS400			FFHS500		
Distance	Center Beam	Beam Width/Length	Distance	Center Beam	Beam Width/Length
30 ft	141.68 fc	16.8 ft	30 ft	164.18 fc	16.8 ft
60 ft	35.42 fc	33.5 ft	60 ft	41.04 fc	33.5 ft
90 ft	15.74 fc	50.3 ft	90 ft	18.24 fc	50.3 ft
120 ft	8.86 fc	67.0 ft	120 ft	10.26 fc	67.0 ft
150 ft	5.67 fc	83.8 ft	150 ft	6.57 fc	83.8 ft

FFHS600			FFHS750		
Distance	Center Beam	Beam Width/Length	Distance	Center Beam	Beam Width/Length
30 ft	673.85 fc	7.9 ft	30 ft	721.28 fc	8.7 ft
60 ft	168.46 fc	15.8 ft	60 ft	180.32 fc	17.4 ft
90 ft	74.87 fc	23.6 ft	90 ft	80.14 fc	26.2 ft
120 ft	42.12 fc	31.5 ft	120 ft	45.08 fc	34.9 ft
150 ft	26.95 fc	39.4 ft	150 ft	28.85 fc	43.6 ft

FFHS1000			FFHS1200		
Distance	Center Beam	Beam Width/Length	Distance	Center Beam	Beam Width/Length
30 ft	1262.53 fc	7.2 ft	30 ft	1449.15 fc	7.2 ft
60 ft	315.63 fc	14.4 ft	60 ft	362.29 fc	14.3 ft
90 ft	140.28 fc	21.6 ft	90 ft	161.02 fc	21.5 ft
120 ft	78.91 fc	28.7 ft	120 ft	90.57 fc	28.6 ft
150 ft	50.50 fc	35.9 ft	150 ft	57.97 fc	35.8 ft

AC-FHS-SF1

Optional Slip Fitter mount for FFHS400/500.

AC-FHS-SF2

Optional Slip Fitter mount for FFHS600/750

AC-FHS-SF3

Optional Slip Fitter mount for FFHS1000/1200

For standard 2 3/8 inch pole.



AC-FHS-HD1

Optional Glare Shield for FFHS400/500.

AC-FHS-HD2

Optional Glare Shield for FFHS600/750

AC-FHS-HD3

Optional Glare Shield for FFH1000/1200