

**OVERVIEW**

The GFFHS 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 GFFHS light delivers maintenance-free, professional sports lighting with a great return on investment. The GFFHS 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)
GFFHS400	400	54,812	135
GFFHS500	500	66,916	131
GFFHS600	600	89,533	147
GFFHS750	750	105,916	142
GFFHS1000	1000	136,722	133
GFFHS1200	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**

LEDGeeks 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:

LEDGeeks 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 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 the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2011

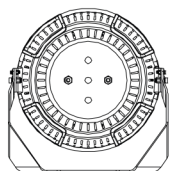
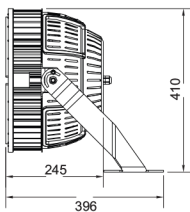
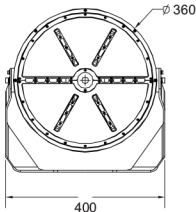
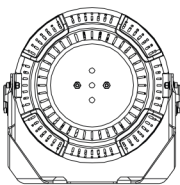
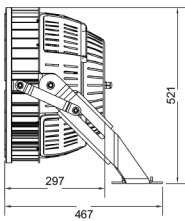
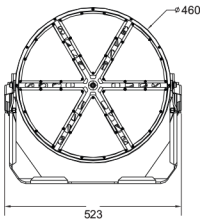
Color Rendering Index:

>70

Ordering Matrix

Family	Watts	Color Temperature	Beam Spread NEMA Types	Voltage	Housing Color	Option
GFFHS	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) <i>(Pre-conf.)</i> 57 = 5700 K (cool white)	44 = NEMA 4x4 <i>(Pre-conf. 400/500w)</i> 33 = NEMA 3x3 <i>(Pre-conf. 600/750w)</i> <i>(Pre-conf. 1000/1200w)</i>	LV = 100-277V <i>(Pre-conf.)</i> HV = 277-480	BL = Black <i>(Pre-conf.)</i> WH = White SL = Silver	HD = glare shield "hood" Blank = none

Dimensions

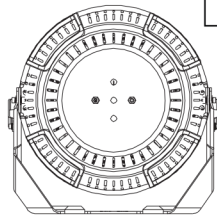
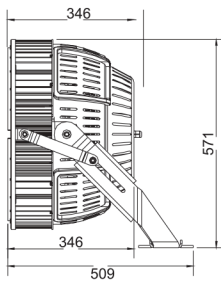
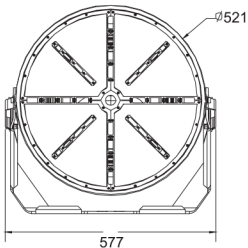


GFFHS400
GFFHS500

EPA: 2.5sqft

GFFHS600
GFFHS750

EPA: 1.49sqft



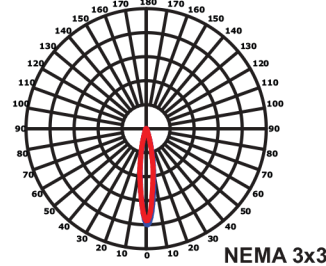
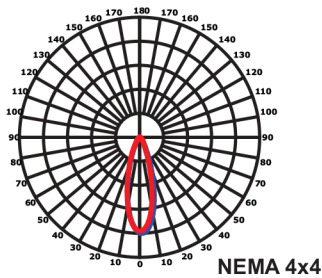
GFFHS1000
GFFHS1200

EPA: 3.14sqft

Mounting Suggestions



Luminous Intensity Curve



Illuminance at Distance

GFFHS400			GFFHS500		
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

GFFHS600			GFFHS750		
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

GFFHS1000			GFFHS1200		
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 GFFHS400/500.

AC-FHS-SF2

Optional Slip Fitter mount for GFFHS600/750

AC-FHS-SF3

Optional Slip Fitter mount for GFFHS1000/1200

For standard 2 3/8 inch pole.



AC-FHS-HD1

Optional Glare Shield for GFFHS400/500.

AC-FHS-HD2

Optional Glare Shield for GFFHS600/750

AC-FHS-HD3

Optional Glare Shield for GFFH1000/1200