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

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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 DesignLights 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**

<table>
<thead>
<tr>
<th>Family</th>
<th>Watts</th>
<th>Color Temperature</th>
<th>Beam Spread NEMA Types</th>
<th>Voltage</th>
<th>Housing Color</th>
<th>Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>FFHS</td>
<td>400</td>
<td>50</td>
<td>44</td>
<td>LV</td>
<td>BL</td>
<td>HD</td>
</tr>
<tr>
<td></td>
<td>500</td>
<td></td>
<td>44</td>
<td>LV</td>
<td>BL</td>
<td>HD</td>
</tr>
<tr>
<td></td>
<td>600</td>
<td></td>
<td>44</td>
<td>LV</td>
<td>BL</td>
<td>HD</td>
</tr>
<tr>
<td></td>
<td>750</td>
<td></td>
<td>44</td>
<td>LV</td>
<td>BL</td>
<td>HD</td>
</tr>
<tr>
<td></td>
<td>1000</td>
<td></td>
<td>44</td>
<td>LV</td>
<td>BL</td>
<td>HD</td>
</tr>
<tr>
<td></td>
<td>1200</td>
<td></td>
<td>44</td>
<td>LV</td>
<td>BL</td>
<td>HD</td>
</tr>
<tr>
<td></td>
<td>40</td>
<td>4000K (neutral white)</td>
<td>44</td>
<td>LV</td>
<td>BL</td>
<td>HD</td>
</tr>
<tr>
<td></td>
<td>45</td>
<td>4500K</td>
<td>44</td>
<td>LV</td>
<td>BL</td>
<td>HD</td>
</tr>
<tr>
<td></td>
<td>50</td>
<td>5000K (daylight)</td>
<td>(Pre-conf.) 44</td>
<td>LV</td>
<td>BL</td>
<td>HD</td>
</tr>
<tr>
<td></td>
<td>57</td>
<td>5700K (cool white)</td>
<td>(Pre-conf. 600/750w)</td>
<td>LV</td>
<td>BL</td>
<td>HD</td>
</tr>
</tbody>
</table>

*Lumen Output based on 277V models at 5700K. Also available in Color Temperatures of 4000K, 45000K and 5000K.
FFHS Series LED High Mast Sport Lights

Dimensions

Mounting Suggestions

Luminous Intensity Curve

Illuminance at Distance

<table>
<thead>
<tr>
<th>Distance</th>
<th>Center Beam (FFHS400)</th>
<th>Beam Width/Length</th>
<th>Distance</th>
<th>Center Beam (FFHS500)</th>
<th>Beam Width/Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 ft</td>
<td>141.68 fc</td>
<td>16.8 ft</td>
<td>30 ft</td>
<td>164.18 fc</td>
<td>16.8 ft</td>
</tr>
<tr>
<td>60 ft</td>
<td>35.42 fc</td>
<td>33.5 ft</td>
<td>60 ft</td>
<td>41.04 fc</td>
<td>33.5 ft</td>
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<tr>
<td>90 ft</td>
<td>15.74 fc</td>
<td>50.3 ft</td>
<td>90 ft</td>
<td>18.24 fc</td>
<td>50.3 ft</td>
</tr>
<tr>
<td>120 ft</td>
<td>8.86 fc</td>
<td>67.0 ft</td>
<td>120 ft</td>
<td>10.26 fc</td>
<td>67.0 ft</td>
</tr>
<tr>
<td>150 ft</td>
<td>5.67 fc</td>
<td>83.8 ft</td>
<td>150 ft</td>
<td>6.57 fc</td>
<td>83.8 ft</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Distance</th>
<th>Center Beam (FFHS600)</th>
<th>Beam Width/Length</th>
<th>Distance</th>
<th>Center Beam (FFHS750)</th>
<th>Beam Width/Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 ft</td>
<td>673.85 fc</td>
<td>7.9 ft</td>
<td>30 ft</td>
<td>721.28 fc</td>
<td>8.7 ft</td>
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<tr>
<td>60 ft</td>
<td>168.46 fc</td>
<td>15.8 ft</td>
<td>60 ft</td>
<td>180.32 fc</td>
<td>17.4 ft</td>
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<tr>
<td>90 ft</td>
<td>74.87 fc</td>
<td>23.6 ft</td>
<td>90 ft</td>
<td>80.14 fc</td>
<td>26.2 ft</td>
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<tr>
<td>120 ft</td>
<td>42.12 fc</td>
<td>31.5 ft</td>
<td>120 ft</td>
<td>45.08 fc</td>
<td>34.9 ft</td>
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<tr>
<td>150 ft</td>
<td>26.95 fc</td>
<td>39.4 ft</td>
<td>150 ft</td>
<td>28.85 fc</td>
<td>43.6 ft</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Distance</th>
<th>Center Beam (FFHS1000)</th>
<th>Beam Width/Length</th>
<th>Distance</th>
<th>Center Beam (FFHS1200)</th>
<th>Beam Width/Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 ft</td>
<td>1262.53 fc</td>
<td>7.2 ft</td>
<td>30 ft</td>
<td>1449.15 fc</td>
<td>7.2 ft</td>
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<tr>
<td>60 ft</td>
<td>315.63 fc</td>
<td>14.4 ft</td>
<td>60 ft</td>
<td>362.29 fc</td>
<td>14.3 ft</td>
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<tr>
<td>90 ft</td>
<td>140.28 fc</td>
<td>21.6 ft</td>
<td>90 ft</td>
<td>161.02 fc</td>
<td>21.5 ft</td>
</tr>
<tr>
<td>120 ft</td>
<td>78.91 fc</td>
<td>28.7 ft</td>
<td>120 ft</td>
<td>90.57 fc</td>
<td>28.6 ft</td>
</tr>
<tr>
<td>150 ft</td>
<td>50.50 fc</td>
<td>35.9 ft</td>
<td>150 ft</td>
<td>57.97 fc</td>
<td>35.8 ft</td>
</tr>
</tbody>
</table>

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

Need help? Tech help line: (800) 988-6386 Email: cs@paclights.com Website: www.paclights.com
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