



COMMERCIAL LED EXPERTS



## OVERVIEW

The USSFLRxxxxWPL 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 light delivers maintenance free, professional sports lighting with a great return on investment. The USSFLRxxxxWPL 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



## Models

Model	Watts(W)	Lumens (LM)	Efficacy (LPW)
USSFLR400WPL	400	54,812	135
USSFLR500WPL	500	66,916	131
USSFLR600WPL	600	89,533	147
USSFLR750WPL	750	105,916	142
USSFLR1000WPL	1000	136,722	133
USSFLR1200WPL	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

uSaveLED 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:

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](http://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:

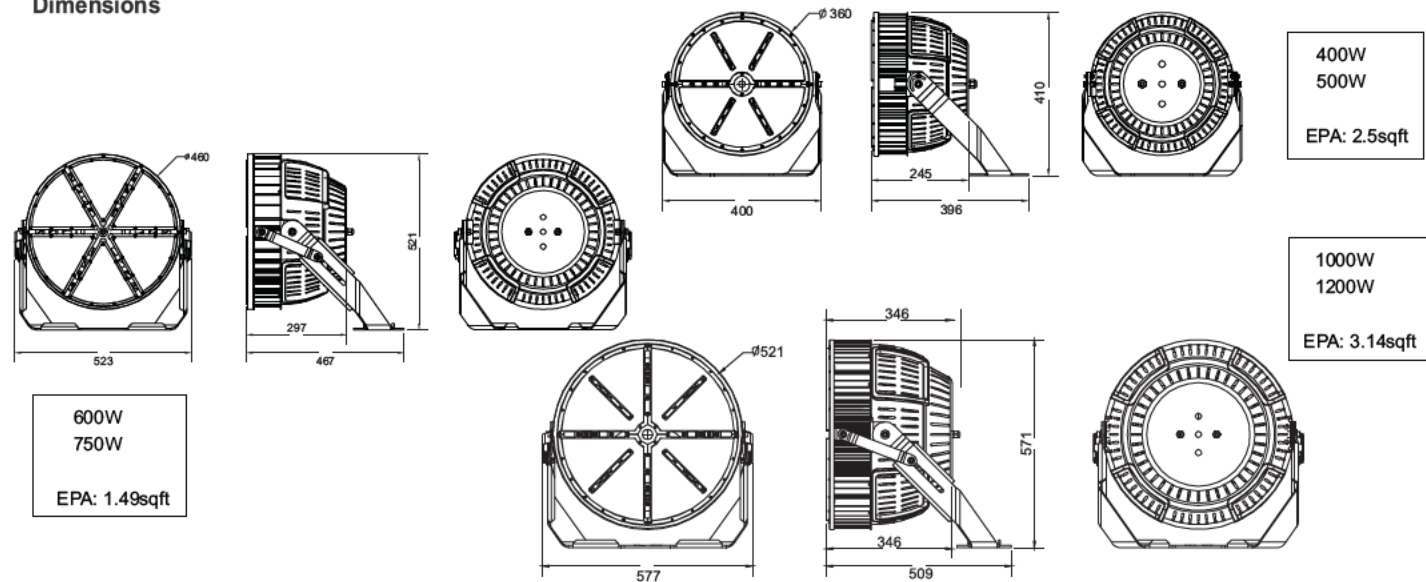
Range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2011

#### Color Rendering Index:

>70

USSFLRxxxxWPL Series LED High Mast Sport Lights

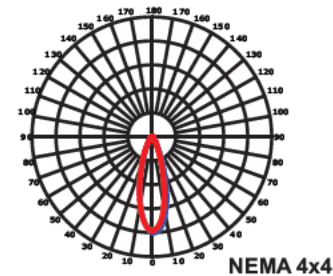
Dimensions



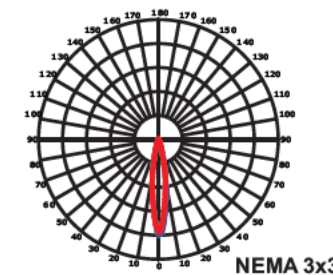
Mounting Suggestions



Luminous Intensity Curve



NEMA 4x4



NEMA 3x3

Illuminance at Distance

400W			500W		
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

600W			750W		
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

1000W			1200W		
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

Optional Slip Fitter mount for All Wattages  
For standard 2 3/8 inch pole.



Optional Glare Shield for All Wattages

