

SPORTS FIELDS & STADIUMS - TRANSPORTATION TERMINALS



# LED SPORTS LIGHT ISF SERIES



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Rev. date: 2024-01-16

Project Name:

Project Number:

Note:

Date:

# ISF SERIES LED SPORTS LIGHTING

Project Name:

400 WISF - 1200 WISF

1000W - 2500W HPS EQUIVALENT

Date:

Project Number:

Note:

## Features

### APPLICATION

Sports Field, Stadium,  
Airport/Seaport terminal

### CONSTRUCTION

Die-cast aluminum alloy  
Corrosion resistant polyester powder coating  
2 mounting brackets available

### OPERATIONAL TEMPERATURE

400W & 800W: -40°C to +50°C (-40°F to +122°F)  
600W & 1200W: -40°C to +45°C (-40°F to +113°F)

### OPTICS

Different distributions available  
CCT 3000K, 4000K, 5000K, 5700K  
CRI 70, optional CRI80, CRI90  
IP-66 rated LED module  
Visor available  
LED light engine, L80 > 100,000 hours  
@ 25°C ambient per LM80

### ELECTRICAL

Input Voltage 120-277V or 277-480V  
20KV surge protection device  
0-10V dimmable  
IP-66 rated LED driver  
Power Factor > 0.9  
Total Harmonic Distortion (THD) <15%  
LED driver expected life >100,000  
hours @25°C ambient

### WARRANTY

Standard 5-year warranty  
Optional 10-year warranty

### CERTIFICATIONS

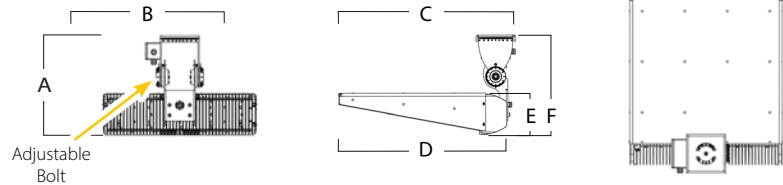
UL 1598, suitable for wet location  
ISO 9001



## Product Dimensions

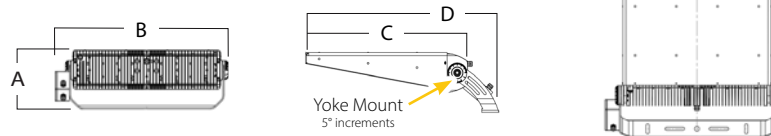
### TYPE A - Adjustable Bolt

Horizontal orientation  $\pm 63^\circ$ ; vertical tilting 0-90°



### TYPE B - Yoke Mount

Horizontal orientation  $\pm 6.5^\circ$ ; vertical tilting 0-90°



	TYPE A - ADJUSTABLE BOLT		TYPE B - YOKE MOUNT	
	400W - 600W	800W - 1200W	400W - 600W	800W - 1200W
<b>A</b>	12.2"	22"	9.5"	14.5"
<b>B</b>	23.7"	23.9"	27.8"	29.3"
<b>C</b>	27.4"	30.9"	26"	29.6"
<b>D</b>	26"	29.6"	31.1"	38.9"
<b>E</b>	6.4"	13.1"	-	-
<b>F</b>	15.4"	22"	-	-
<b>Packaging</b>	25" * 16.3" * 19.8"	29.3" * 18" * 25.4"	35.3" * 18.4" * 16.4"	35.3" * 28" * 16.5"
<b>Net Weight</b>	40.7 lbs	60.7 lbs	42.9 lbs	63.2 lbs
<b>EPA</b>	4.0 ft <sup>2</sup> (top) 1.9 ft <sup>2</sup> (front)	4.6 ft <sup>2</sup> (top) 2.3 ft <sup>2</sup> (side)	4.5 ft <sup>2</sup> (top) 1.8 ft <sup>2</sup> (front)	5.9 ft <sup>2</sup> (top) 2.4 ft <sup>2</sup> (front)

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400 WiSF - 1200 WiSF

1000W - 2500W HPS EQUIVALENT

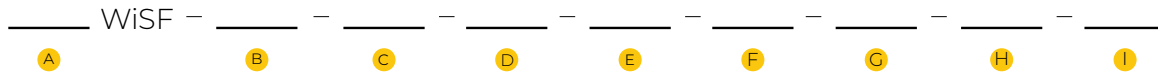
Date:

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Note:

## Ordering Information

EXAMPLE: 400WiSF-NV-S35-00-3070-15D-A-SG-V



Watts	Voltage	LED Chips	Type of Sensor	CCT & CRI
<b>400 WiSF</b> 400W <b>600 WiSF</b> 600W <b>800 WiSF</b> 800W <b>1,200 WiSF</b> 1,200W	<b>NV</b> 100-277V <b>HV</b> 277-480V	<b>S35</b> <b>S5</b>	<b>00</b> Without Sensor <b>SN</b> Motion Sensor <b>PH</b> Photocell <b>WC</b> Wireless Control System	<b>3070</b> 3000K 70 CRI <b>4070</b> 4000K 70 CRI <b>5070</b> 5000K 70 CRI <b>5770</b> 5700K 70 CRI <b>3080</b> 3000K 80 CRI <b>4080</b> 4000K 80 CRI <b>5080</b> 5000K 80 CRI <b>5780</b> 5700K 80 CRI

Distribution	Mounting	Finish	Accessory
<b>15D</b> Narrow (NEMA 3X3) with S35 <b>2030D</b> Medium Narrow (NEMA 4X3) with S35 <b>30D</b> Medium (NEMA 4X4) with S5 <b>3585D</b> Wide (NEMA 7X4) with S5	<b>A</b> Adjustable Mount <b>B</b> Yoke Mount	<b>SG</b> Gray <b>BK</b> Black <b>X</b> Custom	<b>V</b> Visor <b>LAD</b> Laser Aiming Device <b>ID</b> Integrated Driver <b>RD</b> Remote Driver

## Technical Specifications

	Model	Watts	Equivalence	Distribution	Lumen Output		
					3000K with Visor	4000K with Visor	5000K/5700K with Visor
SIZE 1	400WiSF	400W	1000W HPS	15D (3X3)	48,495 lm	50,581 lm	52,145 lm
				2030D (4x3)	48,595 lm	50,685 lm	52,253 lm
				30D (4X4)	52,215 lm	54,461 lm	56,145 lm
				3585D (7X4)	52,286 lm	54,535 lm	56,222 lm
SIZE 2	600WiSF	600W	1500W HPS	15D (3X3)	72,743 lm	75,871 lm	78,218 lm
				2030D (4x3)	72,893 lm	76,029 lm	78,380 lm
				30D (4X4)	78,323 lm	81,691 lm	84,218 lm
				3585D (7X4)	78,430 lm	81,803 lm	84,333 lm
SIZE 2	800WiSF	800W	2000W HPS	15D (3X3)	96,990 lm	101,161 lm	104,290 lm
				2030D (4x3)	97,191 lm	101,371 lm	104,506 lm
				30D (4X4)	104,430 lm	108,921 lm	112,290 lm
				3585D (7X4)	104,574 lm	109,072 lm	112,445 lm
SIZE 2	1200WiSF	1200W	2500W HPS	15D (3X3)	145,485 lm	151,742 lm	156,435 lm
				2030D (4x3)	145,787 lm	152,057 lm	156,760 lm
				30D (4X4)	156,645 lm	163,382 lm	168,435 lm
				3585D (7X4)	156,860 lm	163,607 lm	168,667 lm

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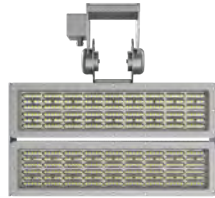
Note:

## Mounting

**TYPE A**  
Adjustable Bolt



400W-600W



800W-1200W

**TYPE B**  
Yoke Mount



400W-600W



800W-1200W

## Accessory

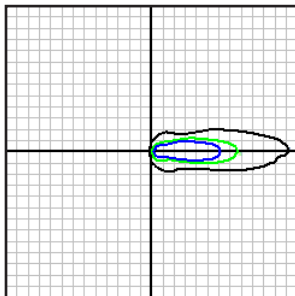
### VISOR



## Photometrics

### 15D NARROW

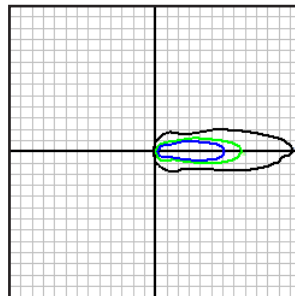
400W Luminaire  
Mounting Height of 40'  
Tilt at 80°



Black 0.1 fc    Green 0.5 fc    Blue 1.0 fc

### 2030D MEDIUM NARROW

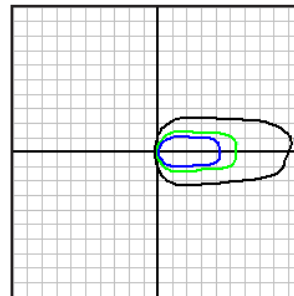
400W Luminaire  
Mounting Height of 40'  
Tilt at 80°



Black 0.1 fc    Green 0.5 fc    Blue 1.0 fc

### 30D MEDIUM

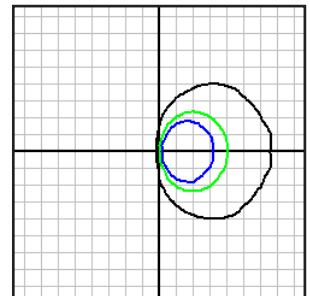
400W Luminaire  
Mounting Height of 40'  
Tilt at 80°



Black 0.1 fc    Green 0.5 fc    Blue 1.0 fc

### 3585D WIDE

400W Luminaire  
Mounting Height of 40'  
Tilt at 80°



Black 0.1 fc    Green 0.5 fc    Blue 1.0 fc