

Product # _____ Type _____ Date _____

Project Name _____

Project Location _____ Prepared By _____

Sport Star – SSR

Construction

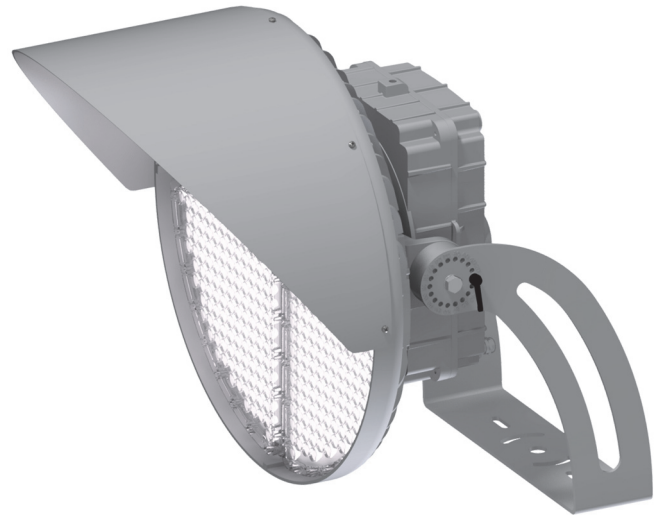
- Housing is constructed from heavy-duty low copper die-cast aluminum. Standard finish is light gray polyester powder coat paint. Other finishes are available upon request.
- Structurally rigid and robust yoke with pivot adjustment for un-constrained adjustment without large swing.
- All external hardware and components are made of corrosion resistance materials and protective finishes.
- Cleverly engineered heat sink allows natural air flow between heat fins to optimize thermal management of the LEDs and Optics.
- Modular component assemblies allow for quick replacement.
- Choice of Power – 460, 580, 720 or 800 watts.

Optical System

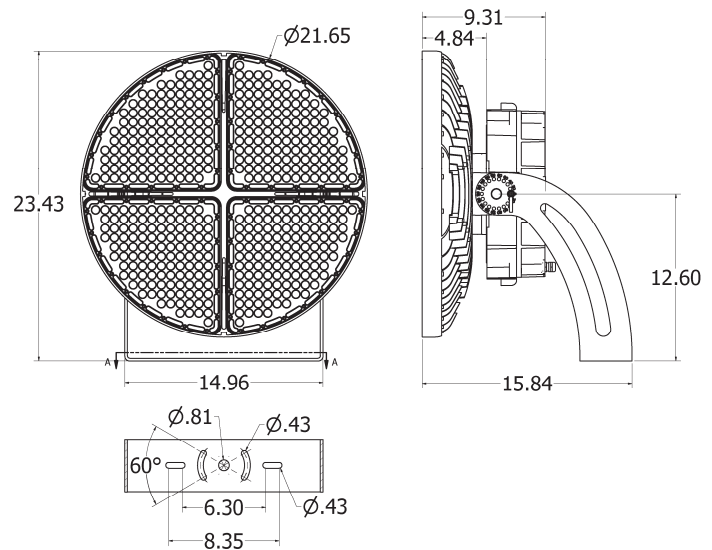
- Precisely designed modular TIR optics direct light where it is needed, reducing glare and spill light.
- Choice of optical beam distributions - 15°, 30° or 60°

Product Applications

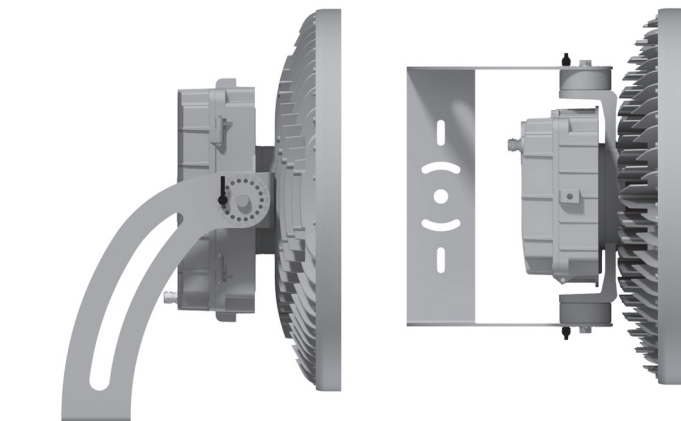
- Sports Stadium Lighting
- High Power Flood Lighting
- High Mast Lighting
- Very Narrow Flood Lighting
- Stay Cable Bridge Lighting
- Cold Environment Flood Lighting
- Vibration Resistant Flood Lighting



Fixture EPA: 3.00 sq. ft.
Weight: 47.4 lbs.



LED configuration shown for illustration purposes only.
Actual LED configuration may be different.



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Electrical Components

- **LED light Engine:** Designed and configured with Luxeon 5050 high power, high lumen, consistent CCT LEDs. These modules enable high quality standards and ensure warranty replacement. These LED Module are mounted directly to the highly conductive aluminum die-cast heat-sink. The LEDs operate below 85°C case temperature and deliver superior maintained illumination per LM80 L80 standards. The choice of color temperatures (3000K, 4000K and 5000K) are available to match your intended application.
- **LED Drivers:** UL/CSA recognized component to meet UL8750 & EN61347 (USR/CNR -E328335). Suitable for input power at 120-277VAC 50/60Hz.
- **Power connection:** A 6-foot long outdoor rated water and oil resistant cable shall be provided for electrical power and dimming data connections. Wiring is to be connected to the nearest outdoor rated IP66 junction box (By Others).

Mounting

- Choice of three different mounting methods available (Please refer to the ordering guide)
- Adjustable Yoke mounting provides luminaire aiming adjustability for vertical or horizontal aiming.
- Horizontal 180 degree aiming bracket (SB-2).
- 2" Tenon Mount (SB-5) – slip fitter adder to the yoke.
- Clamp Mount on Pipe (SB-3) – Utilizes 2 U-bolts to secure luminaire to 2 to 3-inch diameter pipes.

Dimming Controls

- Standard: Interface for 0 – 10V Dimming

Safety Compliance

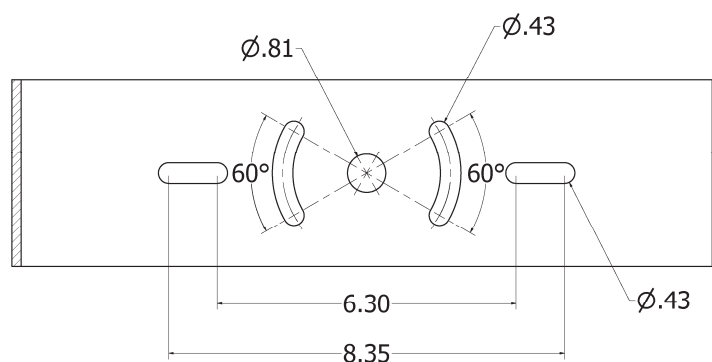
- UL 1598 and CSA C22.2 NO. 250.0 standards.
- Suitable for indoor/outdoor wet (IP66) or damp location use.
- Operating Temperature Range: -40 C° to 50 C°

Warranty

- Limited 5 years
- LED: L80 60,500 hours at 50 C° ambient
- LED Driver: limited 5 years

Mounting Options

Yoke Mounting Dimensions



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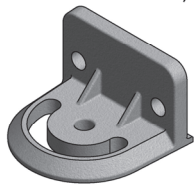


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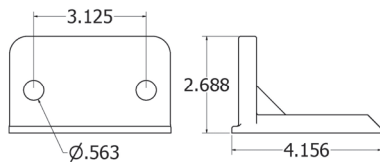
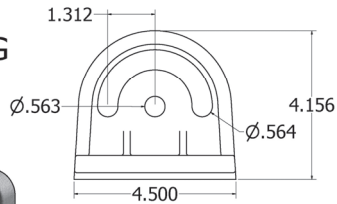
Sport Star – SSR

Mounting Accessories

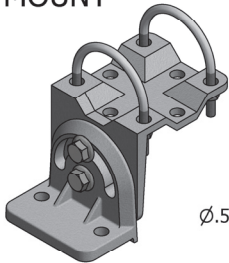
SB-2 MOUNTING BRACKET



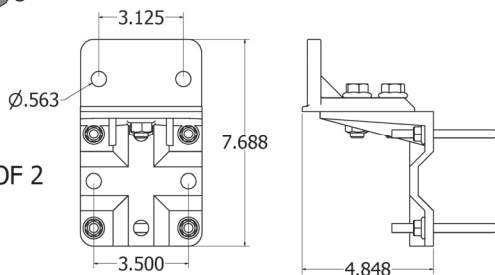
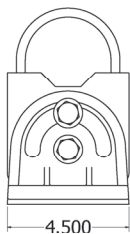
FOR HORIZONTAL
YOKE MOUNTING



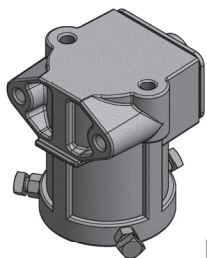
SB-3 PIPE CLAMP MOUNT



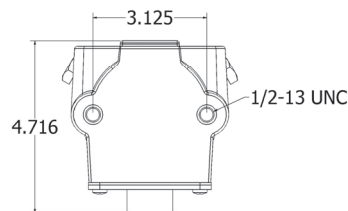
FOR PIPE SIZES OF 2
TO 3 INCHES



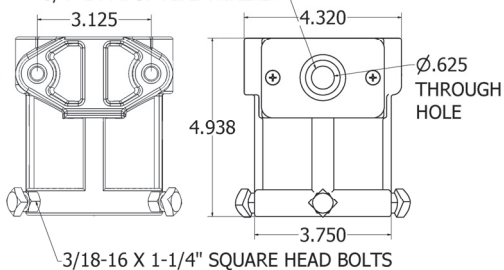
SB-5 POLE TOP SLIP-FITTER



FITS 2" TO 2-1/2"
PIPE (2 3/8" TO
2 7/8" OD)



EASY WIRE PASS THROUGH -
3/4 - 14 MPSP PIPE THREAD



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Product Specifications

SPORT STAR R Luminaire offers an all-star champion luminaire that is compatible with sports friendly lighting controls allowing complete dimming control of light levels. Our Technical team is available for support and integration for the latest lighting control systems.

Product Performance and Ratings

Model No →	SSR-460W	SSR-580W	SSR-720W	SSR-800W
System Nominal Watts	460W	580W	720W	800W
Delivered Lumen Output (5000K @ Tj 105C)				
15° Beam	63,880	78,264	96,306	108,514
30° Beam	73,881	92,574	109,742	121,935
60° Beam	77,626	93,565	112,405	125,417
Input Voltage Options	100-277V OR 240-480V	100-277V OR 240-480V	100-277V OR 240-480V	100-277V OR 240-480V
Ambient Temp. Range	-40 to 50 degree C	-40 to 50 degree C	-40 to 50 degree C	-40 to 50 degree C
LED Color Temp. Range	3000K / 4000K / 5000K	3000K / 4000K / 5000K	3000K / 4000K / 5000K	3000K / 4000K / 5000K
Light Beam Spread @ 50% of max. Cd.	15° / 30° / 60°	15° / 30° / 60°	15° / 30° / 60°	15° / 30° / 60°
Housing/Enclosure IP Rating	IP66	IP66	IP66	IP66
Physical Dimensions	21.65" Diameter X 9.31" Deep	21.65" Diameter X 9.31" Deep	21.65" Diameter X 9.31" Deep	21.65" Diameter X 9.31" Deep
Equivalent Projected Area (EPA, SQ. FT)	3.0	3.0	3.0	3.0
Weight	47.4 lb.	47.4 lb.	47.4 lb.	47.4 lb.
Safety Certification	UL1598/CSA C22.2 #250; Outdoor Wet Location	UL1598/CSA C22.2 #250; Outdoor Wet Location	UL1598/CSA C22.2 #250; Outdoor Wet Location	UL1598/CSA C22.2 #250; Outdoor Wet Location

* For 3000k, reduce lumens by 4% and for 4000K, reduce lumens by 2%

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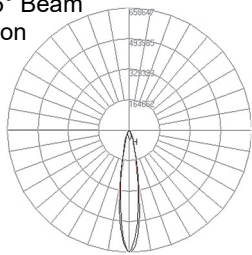
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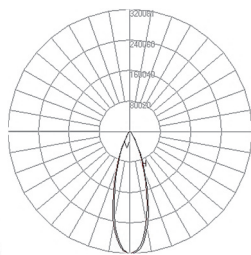
Photometric Application Data

	SSR-460W			SSR-580W		
Performance Values	Optic D15	Optic D30	Optic D60	Optic D15	Optic D30	Optic D60
NEMA Classification	3HX3V	4HX4V	5HX5V	3HX3V	4HX4V	5HX5V
Maximum Center Candela Cd-max	404,096	203,093	87,637	495,266	254,342	106,036
Maximum Center Fc @100 ft - Fc100	40.41	20.31	8.76	49.53	25.43	10.60
Beam Angle @ 50% of Max. Fc - Ba degrees	16.5	30.5	60	16.7	30.6	59.9
Field Angle @ 10% of Max Fc - Fa degrees	36.7	57.3	72.7	36.9	57.5	72.6
Beam Diameter in feet @100 ft - Bd100	29.00	54.52	115.46	29.35	54.71	115.23
Field Diameter in feet @100 ft - Fd100	66.33	109.26	147.17	66.72	109.72	146.90
	SSR-720W			SSR-800W		
Performance Values	Optic D15	Optic D30	Optic D60	Optic D15	Optic D30	Optic D60
NEMA Classification	3HX3V	4HX4V	5HX5V	3HX3V	4HX4V	5HX5V
Maximum Center Candela Cd-max	584,549	288,073	117,728	658,647	320,080	131,356
Maximum Center Fc @100 ft - Fc100	58.45	28.81	11.77	65.86	32.01	13.14
Beam Angle @ 50% of Max. Fc - Ba degrees	16.8	31.3	61.1	16.8	31.3	61.1
Field Angle @ 10% of Max Fc - Fa degrees	38.1	58.9	80.3	38.1	58.9	80.3
Beam Diameter in feet @100 ft - Bd100	29.53	56.03	118.04	29.53	56.03	118.04
Field Diameter in feet @100 ft - Fd100	69.06	112.92	168.70	69.06	112.92	168.70

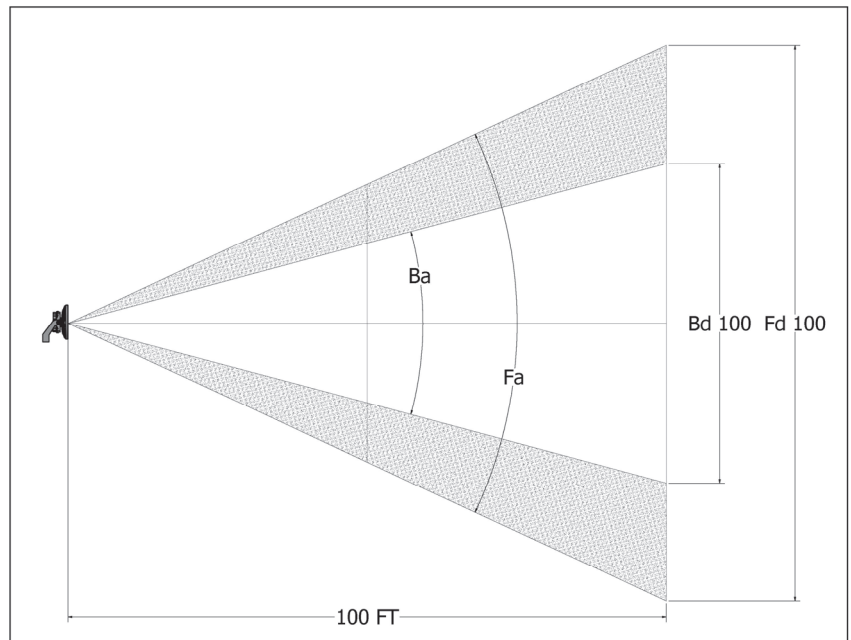
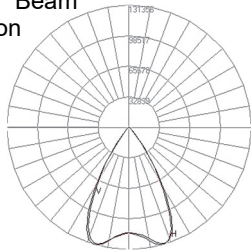
D15 – 15° Beam Distribution



D30 – 30° Beam Distribution



D60 – 60° Beam Distribution



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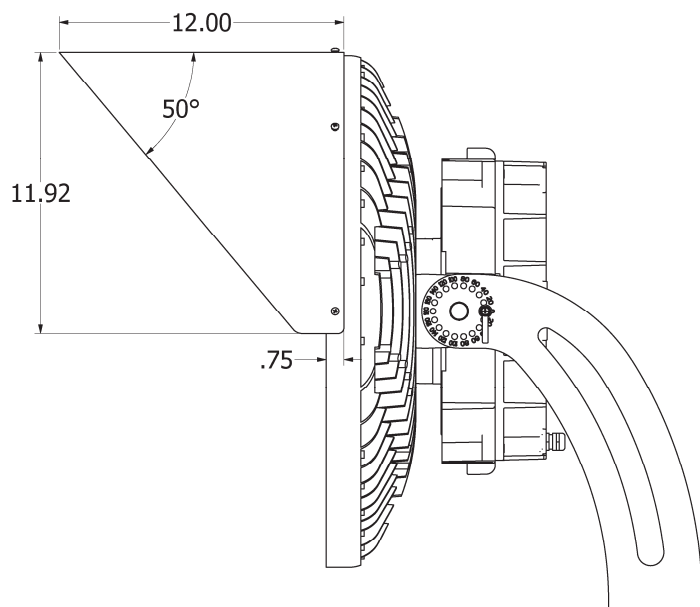
NOTE: SEE PHOTOMETRIC APPLICATION DATA FOR SPECIFIC BEAM INFORMATION



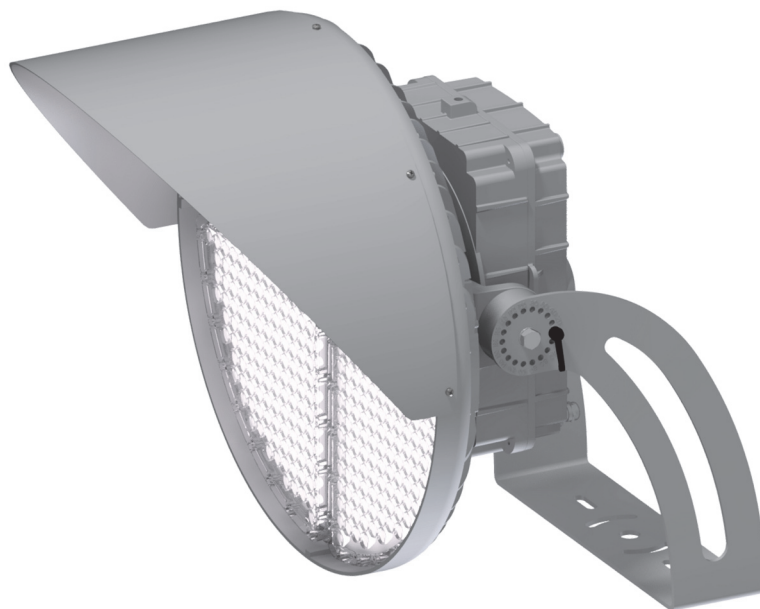
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Accessories



V - Visor



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Ordering Guide

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Model Number	LED Power (Watts)	CCT Color Temperature	Light Beam Distribution (FWHM)	Input voltage (VAC)	Lighting Controls	Mounting Options	Options
SSR	460	3K - 3000 K	D15 - 15° Beam	U - 120V-277V	ND - Non-Dimming	Y - Yoke	I - Integral Driver
	580	4K - 4000 K	D30 - 30° Beam	V1 - 347V	DM - 0-10 VDC Dimming Interface Only	SB-2 - Horizontal 180° Aiming Bracket	R - Remote Driver
	720	5k - 5000 K	D60 - 60° Beam	V2 - 480V		SB-3 - 2" Pipe clamp mount	V - Visor
	800	XK - Specify CCT or single Color*				SB-5 - 2" Tenon Slipfitter	

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