

## MaxLite® SHF Series Sports Light



### General Safety Information

- To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards read all warnings and instructions included with and on the fixture box and all fixture labels.
- Before installing, servicing, or performing routine maintenance upon this equipment, follow these general precautions.
- Commercial installation, service and maintenance of luminaires should be performed by a qualified licensed electrician.
- For Residential installation: If you are unsure about the installation or maintenance of the luminaires, consult a qualified licensed electrician and check your local electrical code.
- **DO NOT INSTALL DAMAGED PRODUCT!**
- This fixture is intended to be connected to a properly installed and grounded UL listed junction box.
- The product should be installed, inspected and maintained by a qualified electrician in accordance with local national electrical safety regulations;
- Please turn off the power before checking, installing or removing;
- Ensure that the voltage used is the voltage within the product identification range;
- Use wires that comply with UL (or other local standards) for wiring. The voltage AC120-277V should be wired with not less than 14 AWG, and the voltage AC220-480V should be wire with not less than 16 AWG;
- Do not install in a hazardous environment. The ambient temperature must not exceed the rated operating temperature of the product;
- Do not install the product when it rains. Avoid the danger of lightning strikes and avoid accidents;
- Please use with listed waterproof strain relief bushing when connecting the power supply cord to outlet box.
- Do not use the electric generator to test the LED lamp.
- External 0-10V only passive dimmers are supported.



Picture is for illustration purposes only.  
Your model may vary.

### WARNING:

- Risk of Fire - Supply conductors (power wires) connecting the fixture must be rated minimum 90 . If uncertain consult an electrician.
- Risk of fire or electric shock. installation requires knowledge of luminaires electrical systems.
- Risk of Fire/Electric Shock - If not qualified, do not attempt installation. Contact a qualified electrician.
- Do not use in high humidity conditions.
- Keep away from flammable and explosive environment.
- Don't cover the fixture with insulation liner or similar material.
- Don't install where fixture is loose or only partially supported.
- Don't impact or exert pressure on the fixture surface face or rear, as damage may occur.

### CAUTION:

- For your safety read and understand instructions completely before starting installation.
- To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
- Before attempting installation, check your local electrical code, as it sets the wiring standards for your locality.

### NOTES:

- If luminaire (fixture) is to be switched from a wall switch, make sure black power supply wire is connected to the switch. DO NOT connect the white supply wire to the switch.
- Make certain no bare wires are exposed outside the wire nut connectors.
- Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.

### MIN 90 °C SUPPLY CONDUCTORS

**THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED. ALL COMPONENTS IN THE LUMINAIRE SHALL NOT BE REPLACED OR SERVICED.**

### LES F ILS D'ALIMENTATION 90 °C

**CE PRODUIT DOIT TRE INSTALL SELON LE CODE D'INSTALLATION PERTINENT, PAR UNE PERSONNE QUI CONNA T BIEN LE PRODUIT ET SON FONCTIONNEMENT AINSI QUE LES RISQUES INH RENTS.**

### Model:

SHF Series

## MaxLite® SHF Series Sports Light

### Wiring Diagram

**CAUTION:** Turn off electrical power at fuse or circuit breaker box before wiring fixture to the power supply.

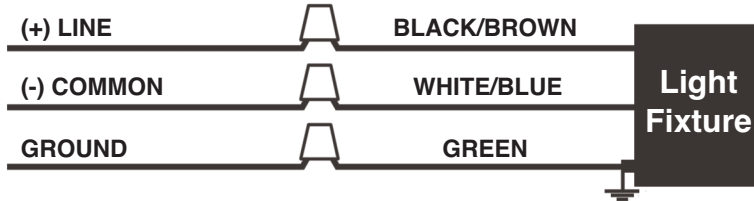
Connecting panels to AC source supply:

All units must be individually connected to the AC supply. (120-277 VAC)

Black / Brown = Line

White / Blue = Neutral

Green = Ground



### 0-10V Dimming Wiring Diagram

**CAUTION:** Turn off electrical power at fuse or circuit breaker box before wiring fixture to the power supply.

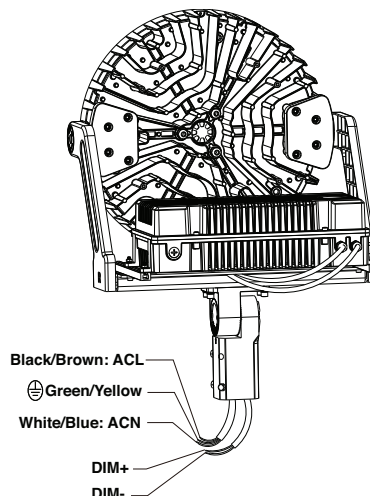
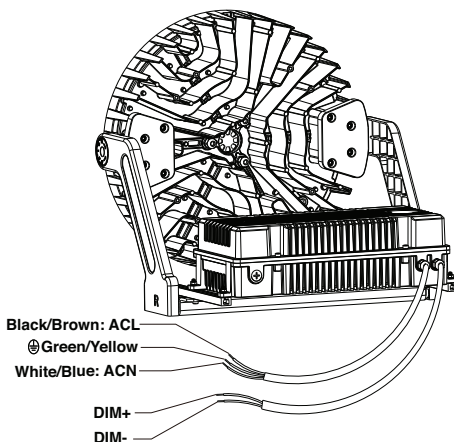
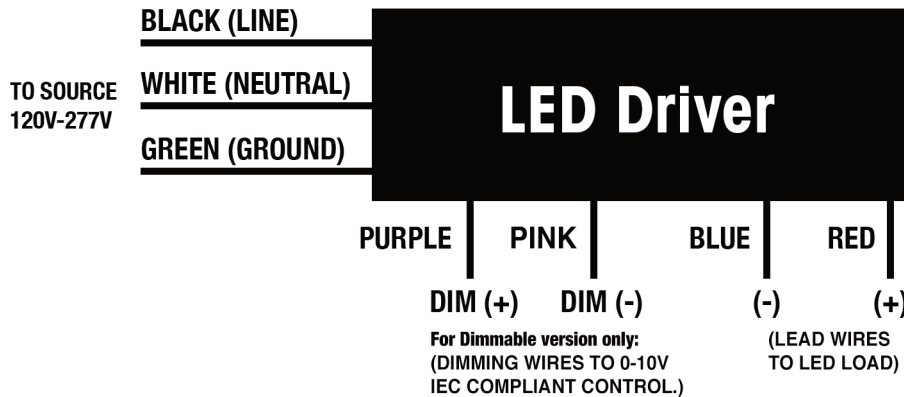
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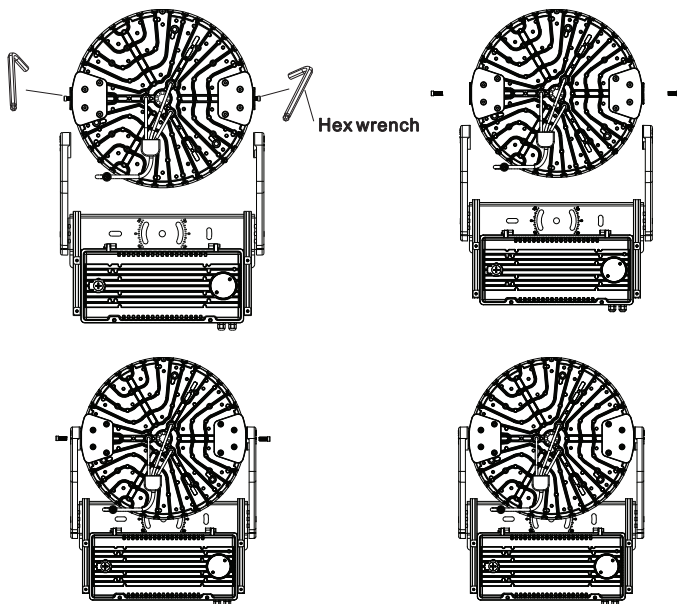


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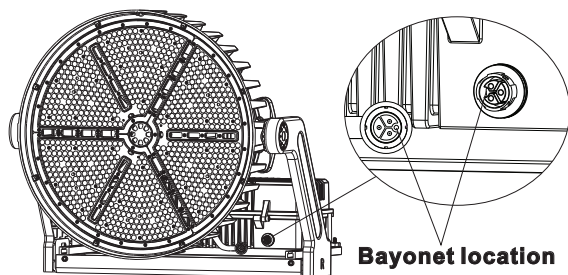


### Optical Head to Yoke Attachment:

- 1.) Remove the optical head and yoke attachment from the packaging. Align the optical head with the two (2) arms of the yoke mount. Using an M10 Allen wrench, secure the optical head with the two (2) included bolts. Adjust the head to the desired angle and fix it with the bolts.



- 2.) Connect the wire from the optical head to the driver box using the connectors.

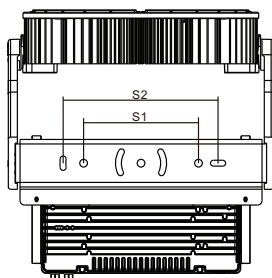


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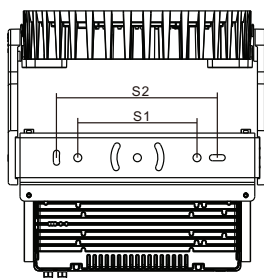


## Yoke Mount (Crossbar) Installation Instructions (Parallel not Angled aiming)

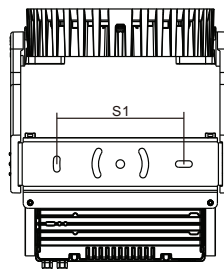
- 1.) Depending on which model you are installing, mark the distance between holes, S1 or S2, shown in the product to be installed.



POWER	1200W
<b>S1</b>	254mm / 10in
<b>S2</b>	345mm / 13.58in

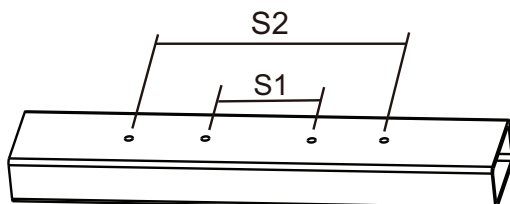


POWER	620W
<b>S1</b>	254mm / 10in
<b>S2</b>	345mm / 13.58in

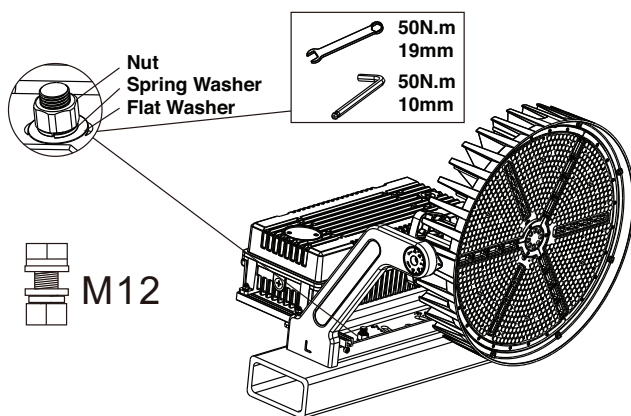


POWER	515W
<b>S1</b>	254mm / 10in

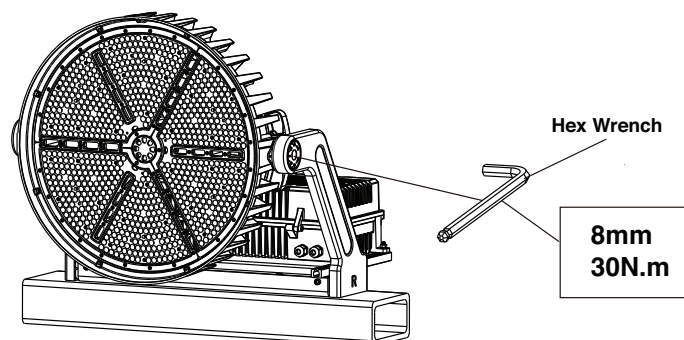
- 2.) Drill two (2) holes of distance S1 or S2 on the crossbar surface.



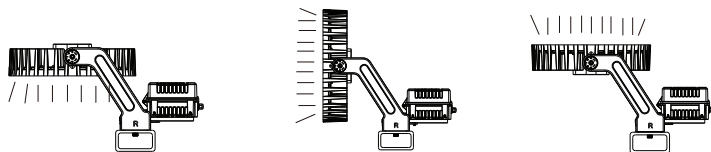
- 3.) Mount the luminaire on the crossbar and secure it with nuts, spring washers and flat washers. Secure the bolt and nuts with a torque of 50N.m (36.88 lbf.ft).



- 4.) Use an 8MM Allen wrench to loosen the two (2) adjustment bolts on both sides of the heatsink.



- 5.) Adjust the heatsink to the desired angle (0° to 90° in either direction). Secure the heatsink in that position by re-tightening the two (2) bolts, loosened in step 4, to a torque of 30N.m (22.13 lbf.ft).



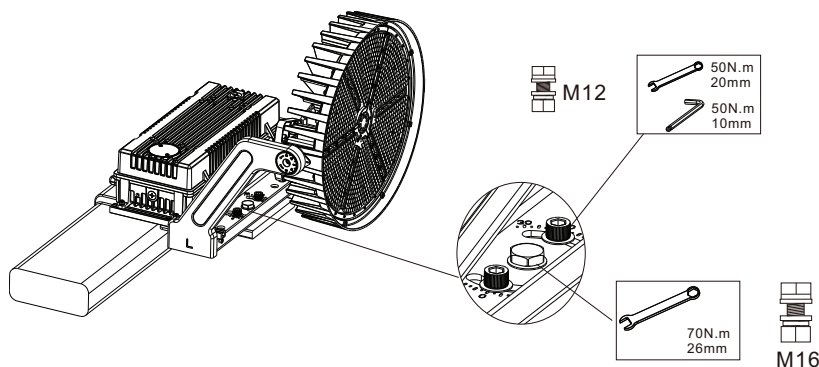
- 6.) Make wiring connections according to the wiring diagrams (see page 2).



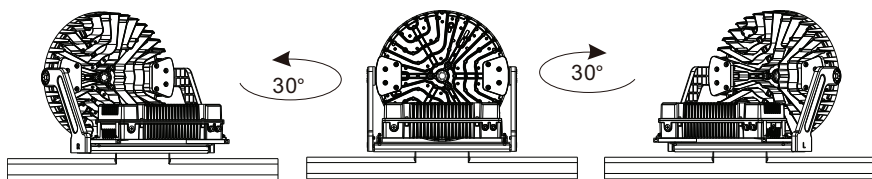
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### Yoke Mount (Crossbar) - Angled Mounting & Aiming Instructions

- 1.) Rotate the luminaire to the desired direction using the marked angles embedded on the yoke and secure it in this position with two (2) M12 bolts, nuts and washers with a torque of 50N.m (36.88 lbf.ft) and one (1) M16 bolt, nut and washer with a torque of 70N.m (51.63 lbf.ft).

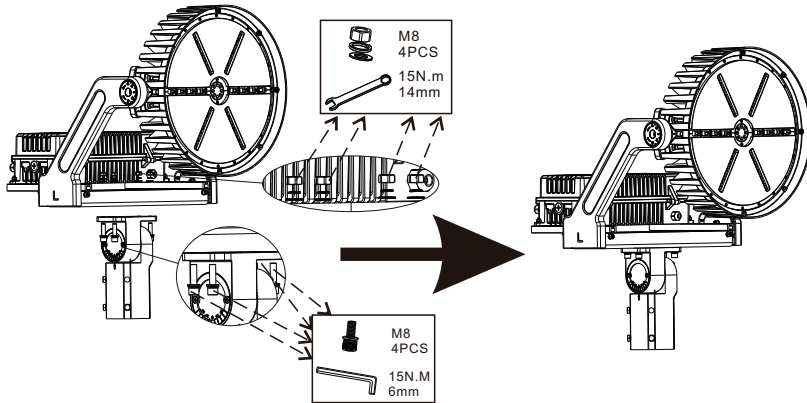


- 2.) The luminaire can be oriented 30° in either direction.

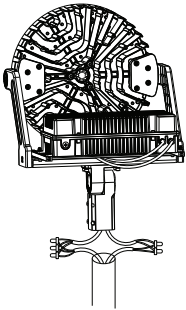


**MaxLite® SHF Series Sports Light****Slip Fitter Knuckle Mount Installation Instructions:**

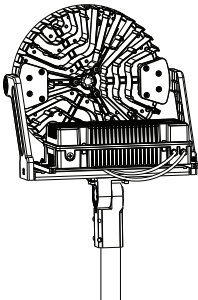
- 1.) Remove the luminaire and slip fitter knuckle from the packaging. Connect the slip fitter to the mounting bracket with four (4) M8 bolts, nuts and washers to a torque of 15N.m (11.06lbf.ft).



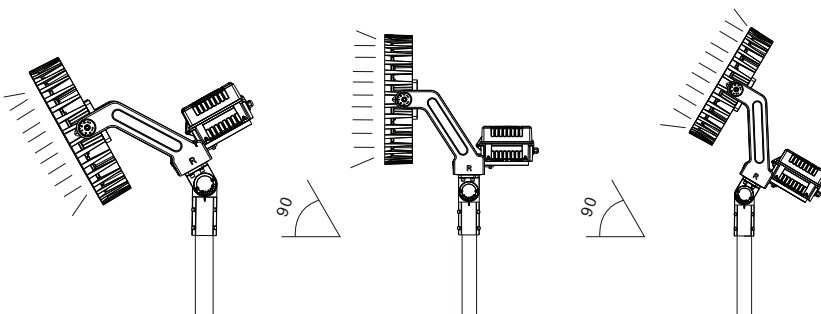
- 2.) Loosen the four (4) bolts on the slip fitter knuckle, connect the input wires from the luminaire to the power supply wires. If the dimming wires are not being used, cap them off and tuck them into the pole.



- 3.) Place the slip fitter knuckle onto the pole and secure it by re-tightening the four (4) bolts loosened in step 2.



- 4.) Remove the angle marking plate on the slip fitter knuckle. Loosen the center bolt with an 8MM Allen wrench and adjust the luminaire to the desired angle (0° to 60° in either direction).

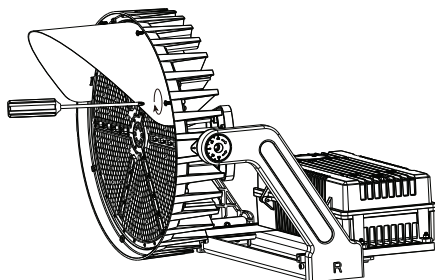


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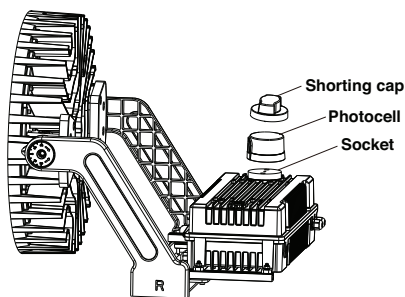
### Light Shield Installation Instructions (Optional Accessory):

- 1.) Secure the light shield to the perimeter of the luminaire's heatsink using the included screws.



### NEMA Twist-lock Receptacle (Models with Suffix –RPC or –PR7):

- 1.) For models with either a 3-pin or 7-pin NEMA twist-lock receptacle installed, either a shorting cap or sensor (such as a photocell) needs to be installed on the receptacle.



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### Warranty Information

MaxLite Inc. warrants its products for a minimum period of **TEN (10)** years from the earlier of the actual installation date or 90 days after the original date of purchase from a MaxLite authorized distributor/dealer (the "Warranty Period"), as follows: If a Product fails to operate during the Warranty Period as a result of defects in materials or workmanship, MaxLite will, at its option, repair it, replace it with the same or like Product.

Please refer to Maxlite's website (at <http://maxlite.com/resources/warranties>) for the complete coverage details as well as the terms and conditions of our warranty. Please note that it is NOT a requirement to register your warranty in order to initiate a warranty claim unless a Ten Year warranty has been purchased separately, or when applicable and/or purchased separately, your warranty contains a replacement labor allowance.

### **Limitation of Liability**

THIS WARRANTY IS EXCLUSIVE, AND IS THE SOLE REMEDY FOR ANY AND ALL CLAIMS, WHETHER IN CONTRACT, IN TORT OR OTHERWISE ARISING FROM THE FAILURE OF PRODUCT AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ALL WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH WARRANTIES ARE HEREBY EXPRESSLY DISCLAIMED TO THE EXTENT PERMITTED BY LAW AND, IN ANY EVENT, SHALL BE LIMITED TO THE WARRANTY PERIOD SPECIFIED ABOVE. THE LIABILITY OF MAXLITE SHALL BE LIMITED TO THE TERMS OF THE EXPRESS WARRANTY SET FORTH HEREIN. IN NO EVENT WILL MAXLITE BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES INCLUDING, WITHOUT LIMITATION, DAMAGES RESULTING FROM LOSS OF USE, PROFITS, BUSINESS OR GOODWILL, LABOR COSTS, REMOVAL OR INSTALLATION COSTS, WHETHER OR NOT MAXLITE HAS BEEN ADVISED OF THE POSSIBILITY THEREOF. UNDER NO CIRCUMSTANCES SHALL MAXLITE'S ENTIRE LIABILITY FOR A DEFECTIVE PRODUCT EXCEED THE PURCHASE PRICE OF THAT PRODUCT (EXCLUDING LABOR WARRANTY COVERAGE WHERE SPECIFICALLY OFFERED BY MAXLITE). WARRANTY SERVICES PROVIDED UNDER THESE TERMS AND CONDITIONS DO NOT ENSURE THE UNINTERRUPTED OPERATION OF PRODUCTS; MAXLITE SHALL NOT BE LIABLE FOR DAMAGES CAUSED BY ANY DELAYS INVOLVING WARRANTY SERVICE.

This Warranty gives you specific legal rights and you may also have other rights that may vary from state to state. Because some states or jurisdictions do not allow the exclusion or limitation of liability for consequential or incidental damages, such limitation may not apply to you.