



Ultra-high-performance stadium light that can quickly change lenses with 3-in-1 wattage selectable sports lighting solutions. Designed with U-bracket and SF bracket installation options, it can accommodate virtually any installation environment, making it suitable for large sports arenas, tall buildings, airport aprons, port docks, bridges, squares, and more. The durability is greatly enhanced by IK08 protection and IP66 waterproof design, which is essential to resist the bad weathers such as heavy rain. Its design allows this light to operate more than 50000 hours

LED Sport Flood Light SFL095S

Features and benefits

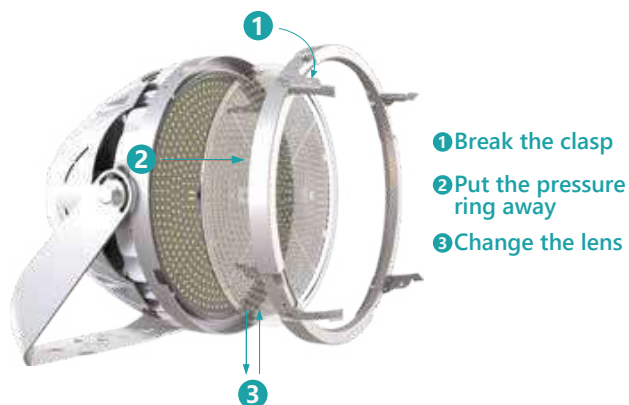
- Modular design, simple maintenance and convenient assembly and disassembly
- Multiple options for beam angle, ensure venues are multi-used
- IIP66 and IK08 rating
- Strong corrosion resistance, can be applied to harsh environments
- High-temperature-rated and high transmittance lens materials for less light loss and a long span life, multiple beams spreads to meet custom project requirements, and provide maximum light control.
- Directs more light onto the field, dramatically reduces glare and spill
- Enhance on-field playability
- Excellent heat dissipation: the vents help the air convection to dissipate heat

Applications

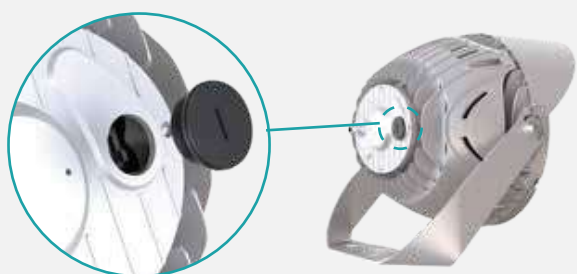
- Sports & recreational fields, large-scale outdoor events, industrial & construction sites, parking lots, security and outdoor surveillance



Low Glare and Minimal Light Spill: Equipped with accessories such as anti-glare grids and light spills, effectively reduces glare and controls light spillage, reduces light loss, minimizes light pollution, and provides a comfortable lighting environment for venues.



Quick Lens Replacement: incorporates a latch design in its structure, enabling convenient and rapid lens replacement. This benefits distributors and agents by facilitating inventory management and lowering stock pressure.



3-in-1 Wattage Selectable: 300W-400W-500W

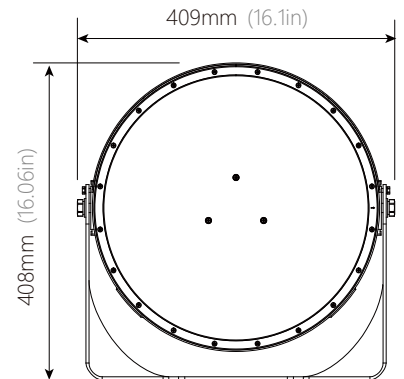
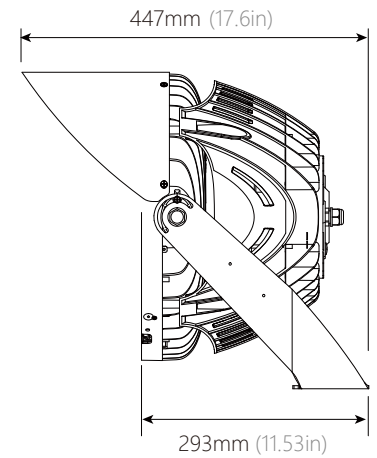
Technical specifications

Product code	Power selectable	Light output	Beam angle
ZL500CWSFL095SXXKUL-YY	300W / 400W / 500W	75,000lm Max.	20° / 30° / 45°

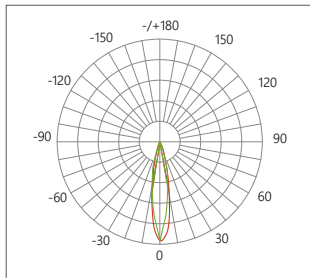
- XX denote the color temperature. When is XX=30-40-50-57-65, stands for 3000K, 4000K, 5000K, 5700K, 6500K
- YY denote the beam angle lens. When is YY=20-30-45-60, stands for 20°, 30°, 45° beam angle

Light Efficiency	140-150lm/W
CRI	70
SDCM	≤5
Input voltage	AC 100-277V 50/60Hz
Power factor	≥0.90
THD	≤15%
Percent Flicker (%)	<3%
Surge Protection	10KV
Protection Against Electric	Class I
IP	IP66
IK	IK08
EPA	Front: 1.28ft ² / Side: 0.7ft ²
Operating Temp Ranger	-40°C~+50°C / -40°F~+122°F (@ outdoor)
Intelligent control	0-10V Dimmable
Lifetime	100,000H (L70B50@25°C) / 100,000H (L70B50@77°F)
Net Weight (kg)	10.2kg±0.5 / 22.49lbs±1.1)
Warranty	5 years
Certificates	UL / DLC / FCC
Material	Structure: Die-casting / high thermal conductivity aluminum Finish: Powder coated / Gray color Lens: Polycarbonate
Mounting	U-Bracket

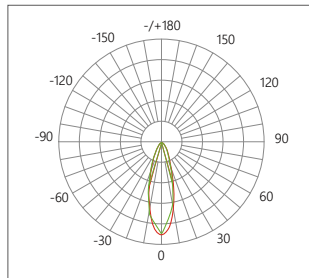
Dimensions



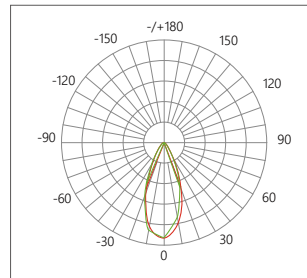
Photometrics diagrams



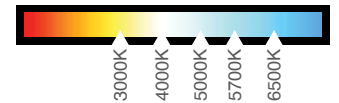
20°



30°



45°



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SAFETY INSTRUCTIONS

Read and understand this entire manual before attempting to assemble, operate, or install the LED Luminaire. If you have any questions about the product, please consult your local supplier.

1. Please read the manual carefully before installation. Power off before installation;
2. All electrical work must conform to the National Electric Code (NEC) and all applicable local codes and ordinances.
3. Only qualified personnel shall install and maintain the luminaires. Recommend that a licensed electrician install and maintain the luminaire. Verify the safety of existing power distribution system before beginning installation.

FAILURE TO FOLLOW OPERATING INSTRUCTIONS MAY LEAD TO DEATH, SEVERE INJURY, OR PROPERTY DAMAGE.



WARNING

Turn off power before performing any electrical or control work. FAILURE TO FOLLOW THIS WARNING MAY LEAD TO DEATH, SEVERE INJURY, OR PROPERTY DAMAGE.

DO NOT make or alter any open holes in the luminaire. Do not modify the luminaire.



WARNING

Follow all applicable safety procedures and use Personal Protective Equipment such as hardhats, safety glasses, reflective vest, electrical safety gloves, fall protection equipment and safety toe boots during the installation, operation, and maintenance of the luminaire.

Make sure the products are grounded.

FAILURE TO FOLLOW THIS WARNING MAY LEAD TO DEATH, SEVERE INJURY, OR PROPERTY DAMAGE.



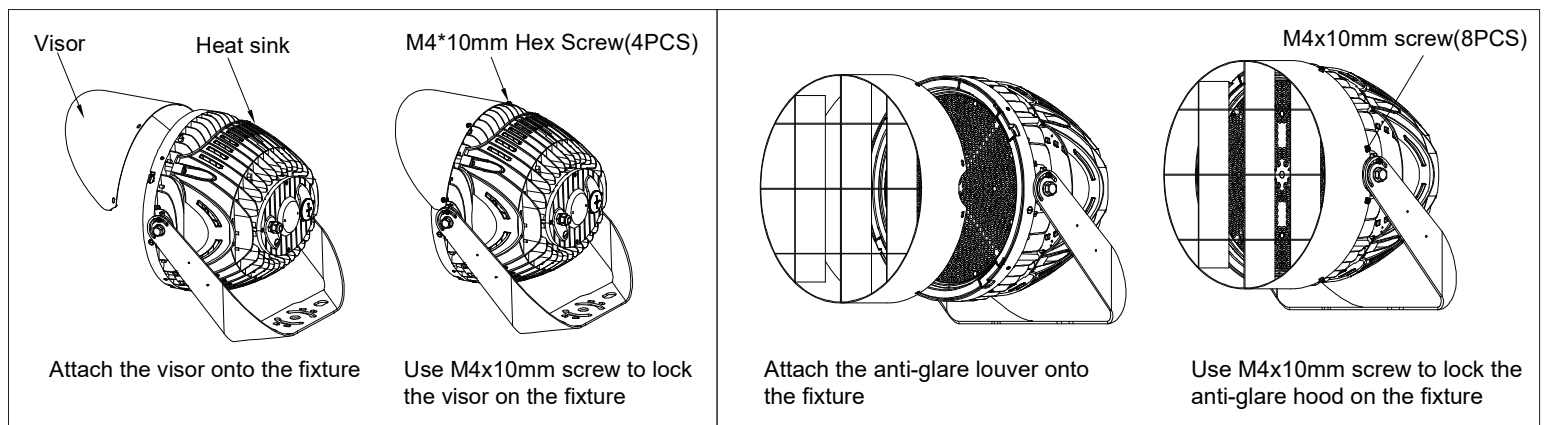
WARNING

Risk of eye injury! Eye protection is required at all times during the installation, operation, and maintenance of the luminaire. The high intensity light produced by the luminaire can cause severe damage to the eye if viewed directly at close range. Avoid being in front of a luminaire that is on or wear suitable light blocking protective eyewear such as welding goggles.

Store luminaires in a clean, dry place, protected from dirt, water, and sunlight. See table for required storage and operating conditions:

- Storage Temperature: -40°C to +70°C (-40°F to 158°F)
- Operating Temperature: -40°C to +50°C (-40°F to 122°F)
- Humidity: 10% to 98% non-condensing

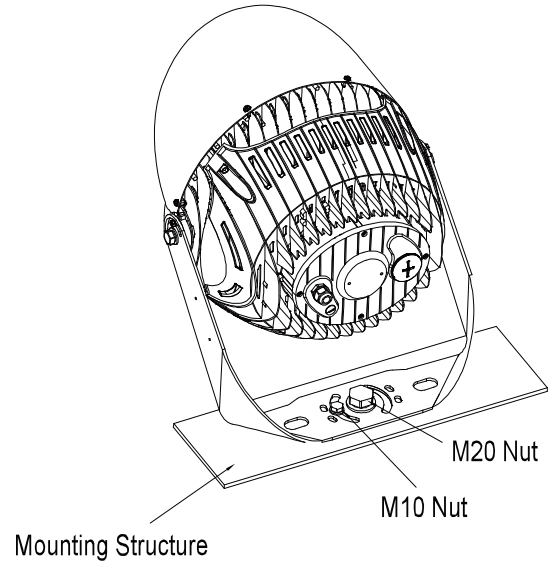
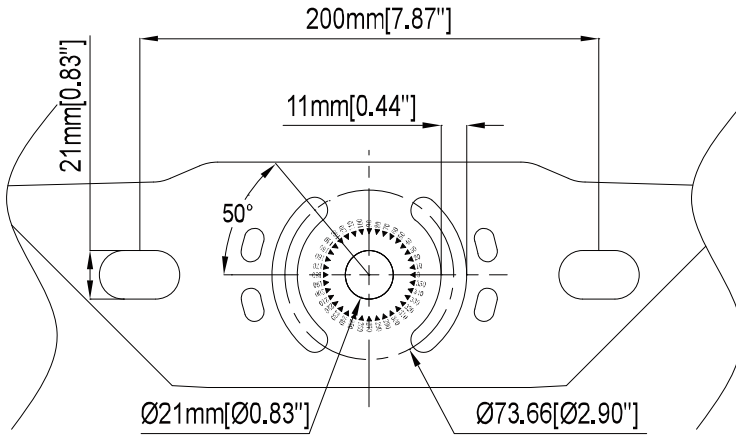
Attach the visor / Anti-glare hood



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Mount the luminaries



1. Insert M20 bolts and plain washers onto bracket
2. Align rotatable bracket with mounting structure
3. Secure bracket, bolts, plain & lock washers with mounting structure
4. Tighten the nuts hand tight so mounting structure is secure but do not fully torque nuts until desired aiming is achieved

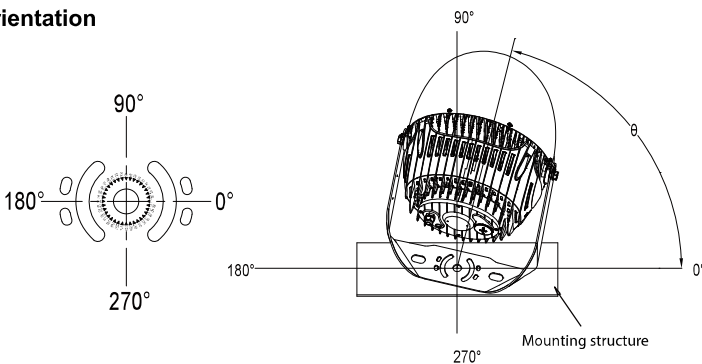
Aim the luminaries

Aiming the luminaire is a critical part of the led lighting solution to ensure that light is evenly distributed on the playing surface.

Orient-Tilt: This technique involved turning the luminaire to predetermined angles before the lighting pole is lifted up and set in place. The Orient angle refers to the direction the luminaire faces in the Z-plane.

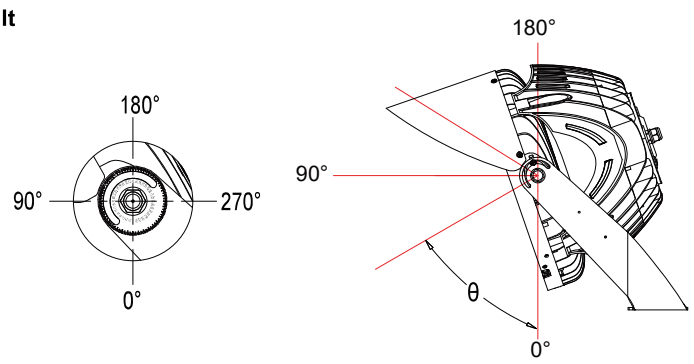
Tilt angle refers to the direction the luminaire faces in the Y-plane.

Orientation



Orientation is a vector in the z-plane looking down from the top of the luminaire

Tilt



Tilt is a vector in the y-plan from the hex bolt that is parallel with the top visor

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Electrical Load / EPA Rating Information (ft²)

System Wattle (W)	Input Current (A)					
	120V	208V	240V	277V	347V	480V
	Input Voltage					
300	2.75	1.59	1.38	1.19	0.95	0.69
400	3.67	2.12	1.83	1.59	1.27	0.92
500	4.58	2.64	2.29	1.99	1.59	1.15
600	5.5	3.18	2.76	2.38	1.9	1.38

Wattage (W)	Front	Side	Top
300/400/500/600	1.28	0.85	1.36

Power Wiring Connections



Always turn power to fixture OFF before performing any work on control wiring. Turn transmitters off before working on main controllers. Performing any work on control connections while fixtures are receiving the signal may result in transient or fluttering control signals which can cause damage to the luminaire. FAILURE TO FOLLOW THIS WARNING MAY LEAD TO LUMINAIRE INTERNAL DAMAGE AND FAILURE.

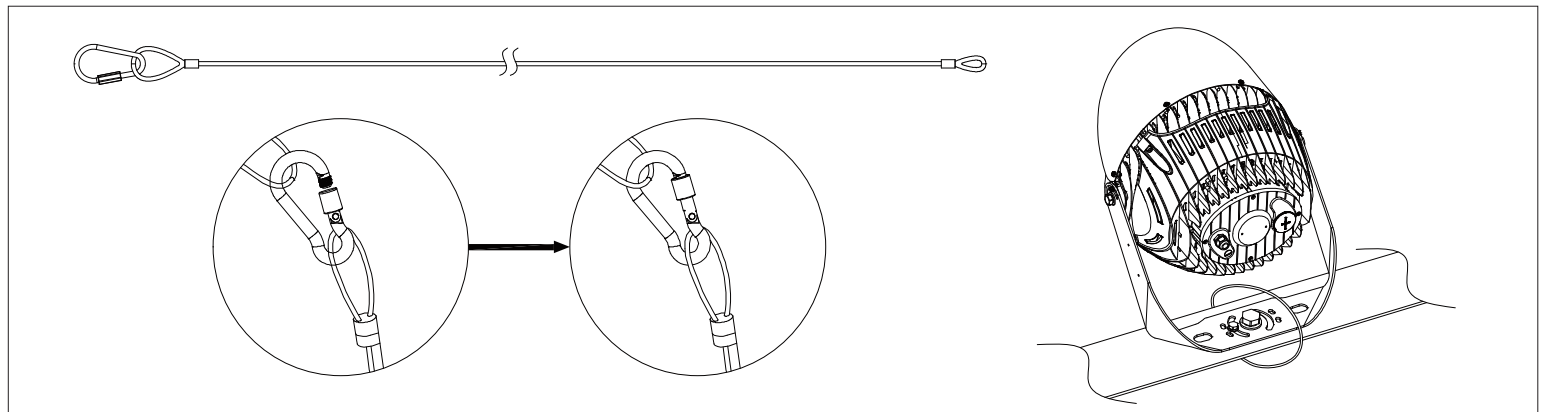
US	EU			label
Black	Brown	-- L --		L L
White	Blue	-- N --		N N
Green	Yellow&Green			GND GND
Purple	Brown	-- DIM (+) --		
Pink	Blue	-- DIM (-) --		0-10V

Fasten Safety Cable

For installations over 3m height:

A secondary safety system application is mandatory, which is appropriated for the luminaire load.

1. No sharp edges on the interface (bracket or hole) of mounting side.
2. The safety chain must be replaced immediately if any of the below scenarios occur:
 - a. The safety chain was stretched at any time due to luminaire falling;
 - b. Part of steel wire is broken or frayed;
 - c. The safety chain is designed to protect the luminaire from falling, but the luminaire should not be suspended for a long time.



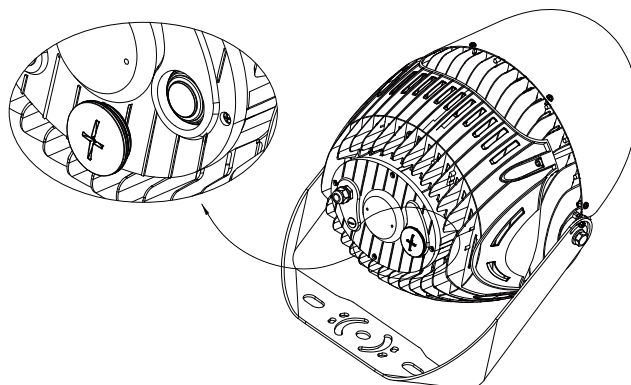
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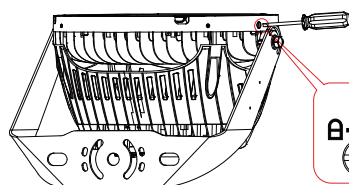
Electrical connection



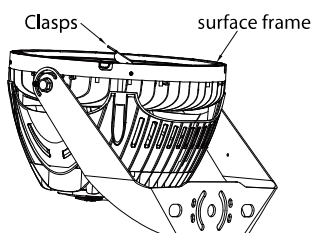
POWER OFF BEFORE TO ADJUST THE BEAM ANGLE AND POWER.



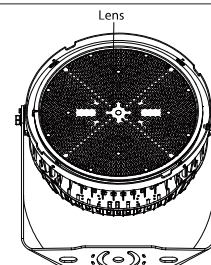
Installation instructions for interchangeable lenses



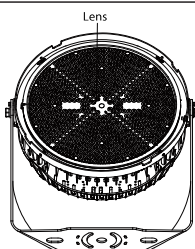
1. Rotate the latch on the surface frame 90° to keep the latch open.



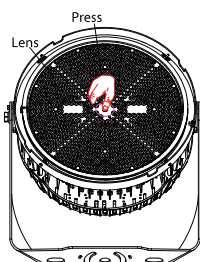
2. Open the four clasps and take out the surface frame



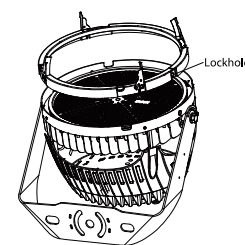
3. Hold the edge of the lens, take the lens out



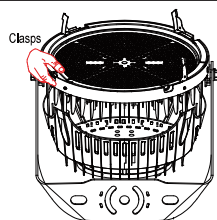
4. Align the limit slot on the new lens with the housing locating post



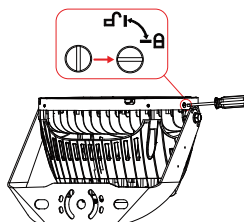
5. Press the lens center, make it fix well



6. Open and close the buckle on the face frame, and align the lock hole with the lock on the lamp



7. Press the center of the buckle to make the face frame completely compressed and the lens is installed well



8. Rotate the frame lock 90° to make the lock in a closed state

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Recommendations Maintenance & Preventative Maintenance

All luminaires are prepared with a powder-coated finish. The finish on exterior luminaires may weather over time, depending on the environmental conditions at the installation site. Proper care of the luminaires will maintain their performance and appearance. Follow a regular maintenance schedule to retain optimal light output and thermal performance. Lack of preventative maintenance may disqualify owner from warranty. Not adhering to this minimum system cleaning requirement is considered negligence as outlined in your product warranty documents. Refer to your product and/or labor warranty documentation for further details.

Problem	Remedy
Luminaire does not power ON	- Verify the power supply is on, at the proper voltage, and stable. - Check connections at the source and at the fixture. - Verify control signal is above 50%.
Luminaire does not respond to controls	- Reset the fixture by turning all power sources off for at least 10 seconds. - Inspect all system control wiring to make sure there are no poor connections or breaks in the control wiring.

Cleaning

- Clean all luminaires at a minimum of once every 12 months from receipt of your product.
- Remove physical elements such as dirt, leaves and other foreign debris from the luminaire housing that can block and modify the air cooling (heatsink fins)
- Wipe the optical lenses with a clean, dry, cotton cloth to remove dust and other contaminants. A non-abrasive optical cleanser or water may be used periodically.
- Do not apply cleaners in direct sunlight or at elevated temperatures



Inspect mounting system and products at least once every 12 months. Replace all rusted hardware elements.

If you have attic stock fixtures available and need to replace a fixture, simply follow the installation instructions in this manual to replace the fixture in question. Be sure to address the replacement fixture with the correct luminaire number.

All Luminaires, materials, and accessory equipment being returned through the warranty process need to be placed back in their original packaging in the same orientation that they were originally shipped from the factory. If the packaging is damaged or if there are questions on the orientation in returning equipment and materials, you need to contact the Warranty Department for replacement packaging materials.