



## Sport Field Lighting

2021 Brochure

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### Application



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### Application





# Sniper



## Redefine Anti-Glaring

**UGR <19**

Anti-glaring light is required more and more for applications where people doesn't feel comfortable with the glaring light, especially when the light were not very high. SNIPER is the ideal solution for visual protection. This increases the performance of staff and the quality of their work.



“ The right lighting in the right place is a crucial factor in industry for greater productivity and employee motivation. The effortless managing of visual tasks affects employee performance, the quality of work as well as occupational safety. The spectrum of these requirements is so diverse that generally applicable lighting and only a single correct lighting for workplaces is not possible. All our lightings are therefore developed on the basis of specific characteristics and requirements depending on the respective needs.



Project: Indoor Basketball Gym  
Location: Italy  
Light used: 35pcs Sniper 200w

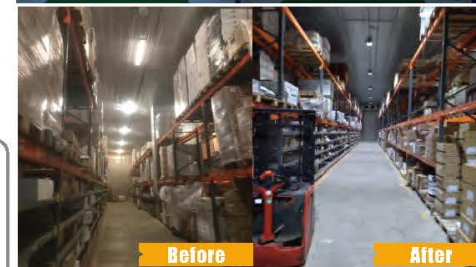


### Advanced UGR technology

The Optics was specially developed to minimize glare and maximize homogeneity. With an anti-glaring film on the lens and a shield in front, we managed to achieve UGR<19

### Simple installation

With ceiling installation accessory equipped with mains lead, the two suspension points at the ceiling could be combined to One-Point installation. This saves time and cost for installation. And even vibrations and air movements are no longer able to twist it.

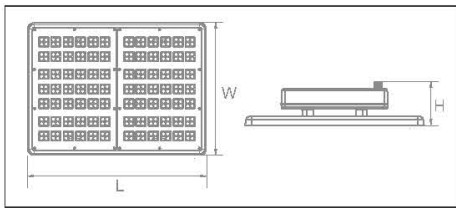


Project: Wall's Warehouse  
Location: France  
Light used: 89pcs Sniper



**UGR < 19**  
**IK 10**

**Features**  
 Housing: Pure Aluminum  
 Thermal Conductivity: 226 W/m·K  
 Led: CREE JK 3030  
 CRI: Ra>70 ( 80/90 for option)  
 SDCM: <6  
 Power Factor: >0.95  
 THD: <15  
 Driver: Meanwell ELG  
 Driver Efficiency: >93%  
 Protection: OTP, OCP, OVP, SCP  
 Surge Protection: 6KV  
 Waterproof: IP65  
 Impact Test: IK10  
 Electrical: 100-277V, 50/60Hz  
 Operating Temperature: -40~50°C  
 Tm21: L90B10>50,000H  
 Lifetime: 50,000H



**Functions**  
 ZigBee · PWM · DALI · 0/1~10V · Micro-wave

**Optical options:**

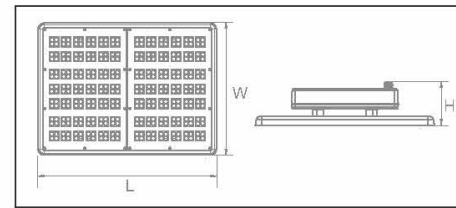


Model	Watt	Voltage	Lumen	CRI	IP	Dimension
SNIPER-N1-60-CM	60W	100~277V	7800LM	>70 (80)	IP65	L362*W257*H120MM
SNIPER-N1-100-CM	100W	100~277V	13000LM	>70 (80)	IP65	L362*W257*H120MM
SNIPER-N2-150-CM	150W	100~277V	19500LM	>70 (80)	IP65	L415*W310*H120MM
SNIPER-N3-200-CM	200W	100~277V	26000LM	>70 (80)	IP65	L487*W362*H120MM
SNIPER-N4-300-CM	300W	100~277V	39000LM	>70 (80)	IP65	L720*W365*H130MM



**160LM/W**

**Features**  
 Housing: Pure Aluminum  
 Thermal Conductivity: 226 W/m·K  
 Led: CREE JK 3030  
 CRI: Ra>70 ( 80/90 for option)  
 SDCM: <6  
 Power Factor: >0.95  
 THD: <15  
 Driver: Osram  
 Driver Efficiency: >93%  
 Protection: OTP, OCP, OVP, SCP  
 Surge Protection: 10KV  
 Waterproof: IP65  
 Impact Test: IK10  
 Electrical: 220-240V, 50/60Hz  
 Operating Temperature: -40~50°C  
 Tm21: L90B10>50,000H  
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**Functions**  
 ZigBee · PWM · DALI · 0/1~10V · Micro-wave

**Optical options:**



Model	Watt	Voltage	Lumen	CRI	IP	Dimension
SNIPER-N1-60-CO	60W	220~240V	9600LM	>70(80)	IP65	L362*W257*H120MM
SNIPER-N1-100-CO	100W	220~240V	16000LM	>70(80)	IP65	L362*W257*H120MM
SNIPER-N2-120-CO	120W	220~240V	19200LM	>70(80)	IP65	L415*W310*H120MM
SNIPER-N3-150-CO	150W	220~240V	24000LM	>70(80)	IP65	L487*W362*H120MM
SNIPER-N3-200-CO	200W	220~240V	32000LM	>70(80)	IP65	L487*W362*H120MM
SNIPER-N4-300-CO	300W	220~240V	48000LM	>70(80)	IP65	L720*W365*H130MM
SNIPER-N4-360-CO	360W	220~240V	57600LM	>70(80)	IP65	L720*W365*H130MM





Soft light



### Low Glaring

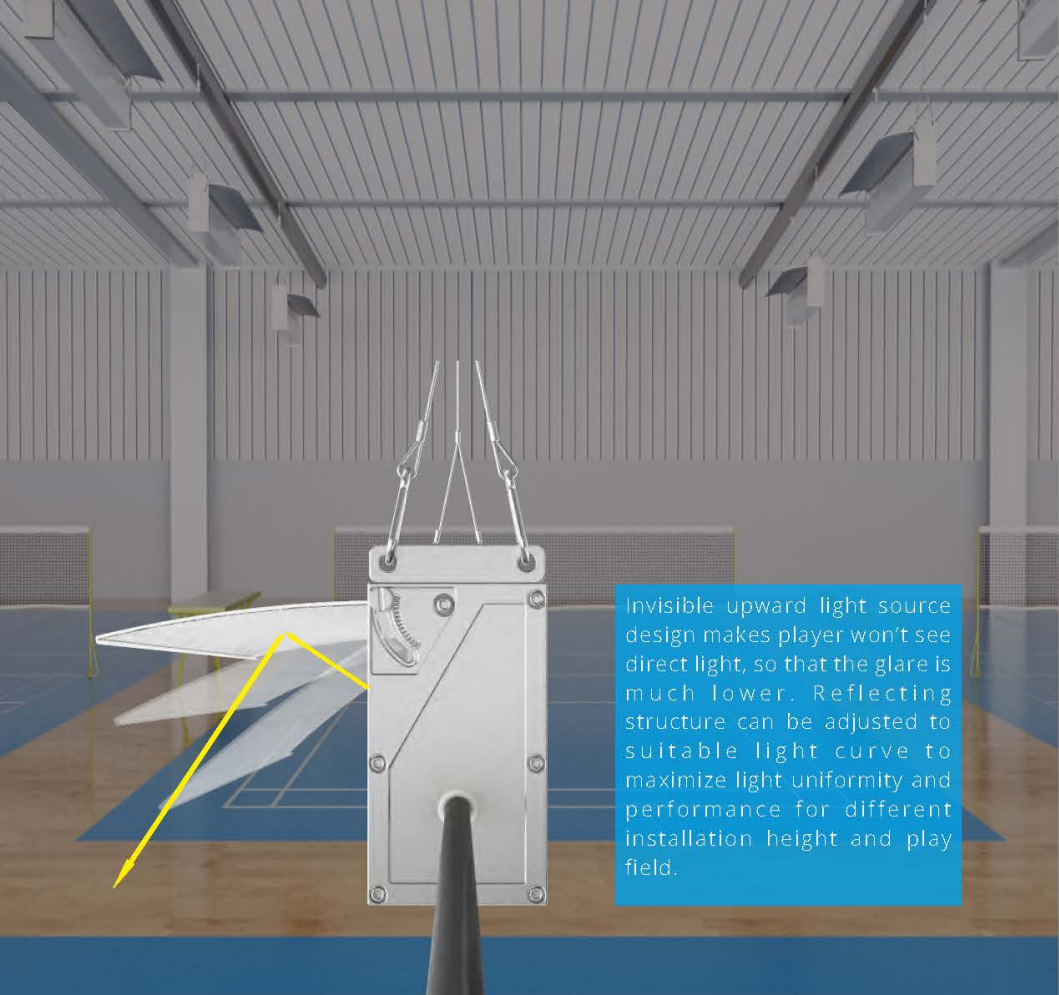
Low glaring light is required more and more for applications of indoor stadium where people doesn't feel comfortable with the glaring light, especially when they smash the ball up into the air. Our tennis light is the ideal solution. It not only enhances the performance of players, but also the atmosphere of the match.

Soft light, low glaring



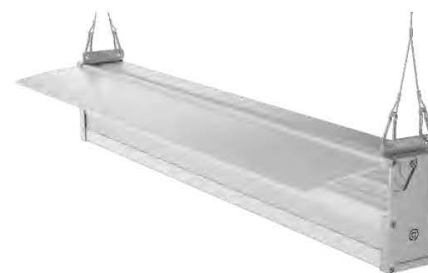
### Perfect for indoor tennis court

*Our design team work to achieve optimum uniformity and maximum lux levels by using tailored lights, lenses and reflecting system to provide the correct distribution of light for your courts and the very gentle eye-friendly light for players. Reflector is available to be re-directed to ensure the light angles are correct and the best possible combination quality and quantity of light is achieved.*

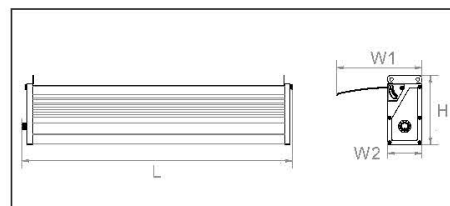


Invisible upward light source design makes player won't see direct light, so that the glare is much lower. Reflecting structure can be adjusted to suitable light curve to maximize light uniformity and performance for different installation height and play field.

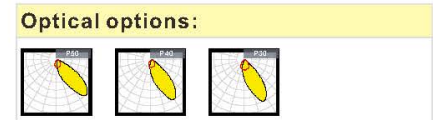
CE RoHS compliant LM 70 LM 80 TM 21



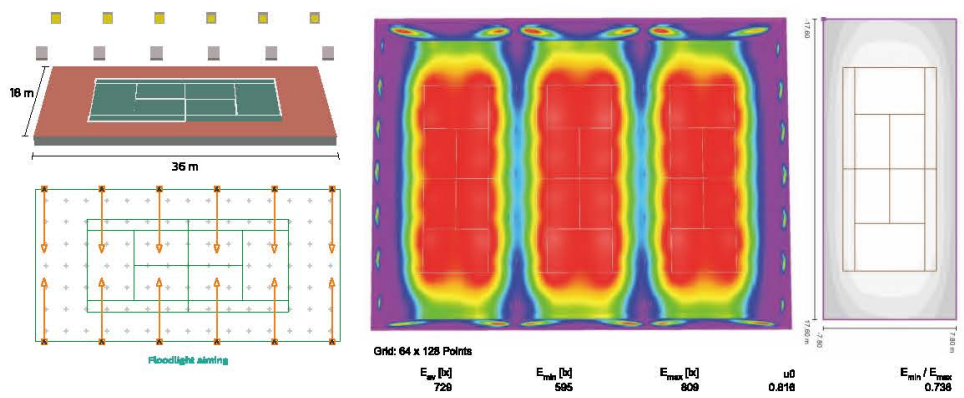
- Features**
- Housing: Pure Aluminum
  - Thermal Conductivity: 226 W/m-K
  - Led: Philips
  - CRI: Ra>80
  - SDCM: <6
  - Power Factor: >0.95
  - THD: <15
  - Driver: Inventronic
  - Driver Efficiency: >93%
  - Protection: OTP, OCP, OVP, SCP
  - Surge Protection: 10KV
  - Waterproof: IP54
  - Impact Test: IK10
  - Electrical: 100-277V, 50/60Hz
  - Operating Temperature: -40~50°C
  - Tm21: L90B10>50,000H
  - Lifetime: 50,000H



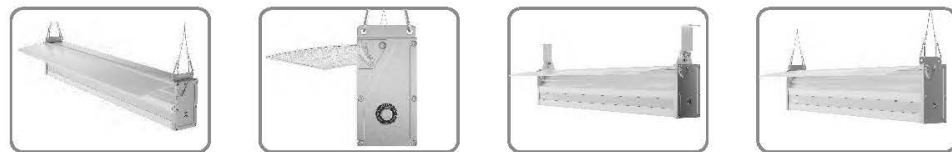
- Functions**
- ZigBee • PWM • DALI • 0/1~10V • Micro-wave



**Tennis Court Simulation**



Model	Watt	Voltage	Lumen	CRI	IP	Dimension
SL-L600-150W-PI	150W	100~277V	20250LM	>80	IP54	538*212/84*171
SL-L800-240W-PI	240W	100~277V	32400LM	>80	IP54	838*212/84*171







Project: Tennis Court  
Location: China  
Light used: 48pcs 300w



## Solution for sport field



Anti-glaring light is required more and more for applications where people doesn't feel comfortable with the glaring light, especially in stadium. Admiral 31 series floodlight is the ideal solution for visual protection.



### Wire Through

With buckle design, the fixture can be opened very easily to rewire inside by terminal. This will make installation much easier and cost saved.



### Tempered Glass

With IK08 protected tempered glass, our flood light has better performance for outdoor usage.



### IK 10

Stainless steel mesh protection is used to reach more than Ik10 against ball hit. It is necessary for application of low height mast.



### PMMA Lens

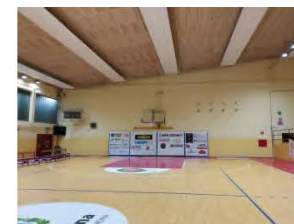
PMMA offers resistance to UV and visible radiations. In comparison with PC lens, PMMA lens can be used outdoor directly to sunshine, and will not turn yellow even after 5 years.



To ensure that every match and show can be performed smoothly, and to assist operatives to remain live broadcast, the right lighting solution is indispensable. For appropriate lighting intensities with wide-area, homogeneous illumination, optimum colour rendering and dimmability in every situation and for every activity.



The Optics was specially developed to minimize glare and maximize homogeneity. With an anti-glaring film on the lens and a shield in front, we managed to achieve UGR<21



Project: Indoor stadium

Location: Italy

Light used: 24pcs





**Features**

Housing: Die-cast Aluminum ADC12  
 Thermal Conductivity: 96 W/m·K  
 Led: CREE JK3030  
 CRI: Ra>70 ( 80/90 for option)  
 SDCM: <6  
 Power Factor: >0.95  
 THD: <15  
 Driver: Meanwell  
 Driver Efficiency: >90%  
 Protection: OTP, OCP, OVP, SCP  
 Surge Protection: 10KV  
 Waterproof: IP66  
 Impact Test: IK08 & IK10  
 Electrical: 220-240V, 50/60Hz  
 Operating Temperature: -40~50°C  
 TM21: L90B10>50,000H  
 Lifetime: 50,000H

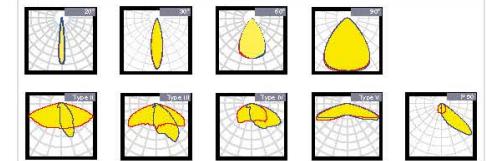
**UGR<21**



**Functions**

ZigBee • PWM • DALI • 0/1~10V • Micro-wave • PIR

**Optical options:**



Model	Watt	Voltage	Lumen	CRI	IP	Dimension
AD31-N1-100-CS	100W	220~240V	14000LM	>70 (80)	IP66	L461*W320*H69MM
AD31-N1-150-CS	150W	220~240V	21000LM	>70 (80)	IP66	L461*W320*H69MM
AD31-N2-200-CS	200W	220~240V	28000LM	>70 (80)	IP66	L461*W380*H69MM
AD31-N3-240-CS	240W	220~240V	33600LM	>70 (80)	IP66	L534*W440*H69MM
AD31-N3-300-CS	300W	220~240V	42000LM	>70 (80)	IP66	L534*W440*H69MM

Note: Type II/Type III/Type IV/Type V/PS0 Brightness 120lm/w



**IK10**

Games where objects often fly at certain heights can cause damage to light fixtures with minimal impact protection. The Admiral 31 Series LED fixture, certified up to IK10 rating, is engineered with mesh protection design and durable materials, offering higher impact resistance than normal fixtures.





LUX  
&  
Homogeneity

Professional high mast light is required more and more for applications of exterior stadium where not only lux on ground is asked, but also homogeneity, small beam angle, long lifetime and UV resistance are even more important. "SPIDERMAN" is the ideal solution. Our design team works to achieve optimum uniformity and maximum lux levels by using tailored lights, lenses and visor system to provide the correct distribution of light for your courts. It not only increases the performance of players, but also the atmosphere of the match.

Less  
Weight

Proper lighting on the playing field is essential to make the game enjoyable for athletes and spectators.



Visor

Visor is used to shield upward light so that the glaring and light pollution are much lower.



Bracket  
Adjustable

Each module is fixed on a rotatable bracket which makes it a 60° rotating range, and the whole fixture is 180° adjustable.

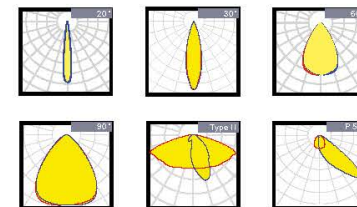


Laser Sight

Quick-installed laser sight is provided to minimize installation time and lower labor cost.

## Optics

Both asymmetric and symmetric optics are provided to optimize the performance of light. Different beam angle is used based on different stadium and different mast height. Dialux simulation can be provided for free within 5 days.





“

## Easy maintenance

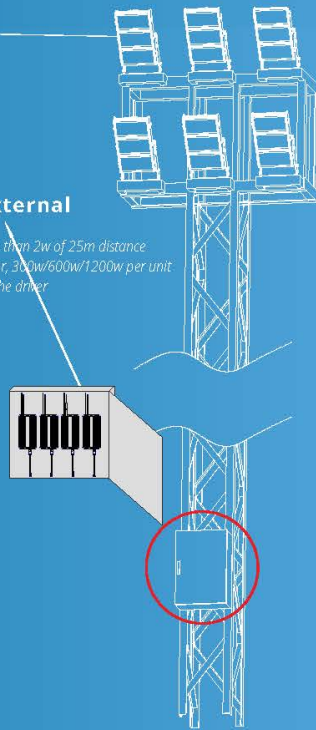
Engineered with external driver design, our Spiderman series LED fixture is able to fix drivers in a gear box at ground level. With low weight and size, it offers better possibility of headload capacity and lower wind resistance for high mast. Safe and simple maintenance without climbing could reduce labor cost in long term run..

### TVS protection

With TVS on PCB (Transient Voltage Suppressor) 1500w peak pulse capability with at 0/1000us waveform Protecting LEDs from voltage transient induced by lightning.

### Driver External

Less Weight  
Power decay less than 2w of 25m distance  
High power driver, 300w/600w/1200w per unit  
Easy to replace the driver



**Project:** Football Stadium  
**Location:** Spain  
**Light used:** 24pcs 900w



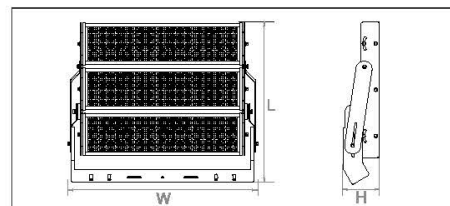
## HD TV broadcasting

When a local television station is recording the event, lighting plays a key role in the quality of pictures and videos. Our LED fixtures deliver bright levels with high uniformity, allowing cameras to capture vivid colors, crisp images, and fast movements. Unlike traditional lights, our LED fixtures are flicker-free, allowing to capture every single moment of the action with detail, even in slow motion.



### Features

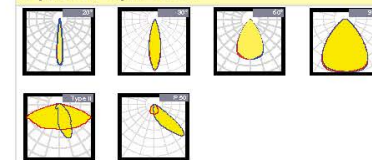
Housing: Pure Aluminum A6063  
Thermal Conductivity: 226 W/m·K  
Led: CREE JK3030&5050  
CRI: Ra>70 ( 80/90 for option)  
SDCM: <6  
Power Factor: >0.95  
THD: <15  
Driver: Inventronic  
Driver Efficiency: >90%  
Protection: OTP, OCP, OVP, SCP  
Surge Protection: 10KV  
Waterproof: IP66  
Impact Test: IK08  
Electrical: 100-277V, 50/60Hz  
Operating Temperature: -40~50°C  
TM21: L90B10>50,000H  
Lifetime: 50,000H



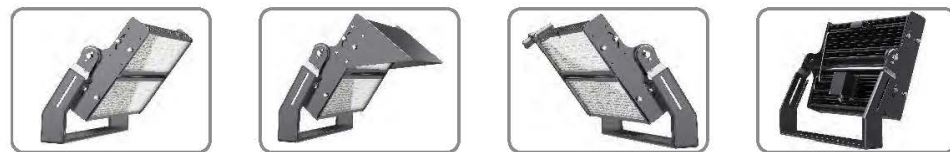
### Functions

ZigBee • PWM • DALI • 0/1~10V • DMX

### Optical options:



Model	Module	Watt	Voltage	Lumen	CRI	IP	Dimension
SM500PE1I-CI	500W Module x1	500W	100~277V	80000LM	>70	IP66	721*315*158
SM600PE1I-CI	600W Module x1	600W	100~277V	96000LM	>70	IP66	721*315*158
SM1000E2I-CI	500W Module x2	1000W	220~240V	160000LM	>70	IP66	810*502*158
SM1200E2I-CI	600W Module x2	1200W	220~240V	192000LM	>70	IP66	810*502*158
SM1500E3I-CI	500W Module x3	1500W	100~277V	240000LM	>70	IP66	810*704*158
SM1800E3I-CI	600W Module x3	1800W	100~277V	288000LM	>70	IP66	810*704*158







### Best Light For Stadium

- Low Glare
- Low back light, low spill light
- Asymmetric optics
- Europe Design Patent



### Won't disturb neighbors when enjoying sport

Special designed optics are designed for different sport field and different standard. They will not only improve the lux and uniformity, but also minimize glare light.

## Better Lighting Solution For Sport Field

Professional high mast light is required more and more for applications of sport field as it influences players' performance and contributes to the proper arbitrage. Spectators should enjoy the match safely and without inconvenience caused by glare effects or an uneven light.

Our optical system has been designed to ensure high power but minimize glare. And visor system is used to avoid back light and spill light.



#### Tempered Glass

With IK08 protected tempered glass, our flood light has better performance for outdoor usage.



#### Rotatable Visor

Asymmetric polarized optics and visor works together to minimize glare, back light, and spill light.



#### Laser Sight

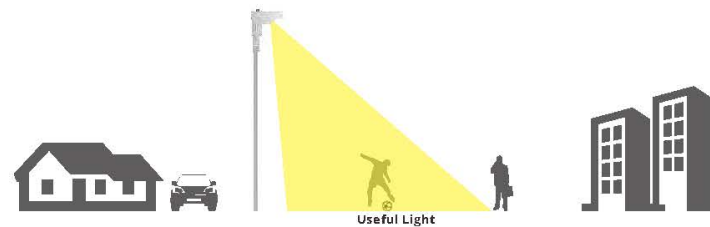
Easily adjust the direction of illumination to achieve maximum lux and uniformity



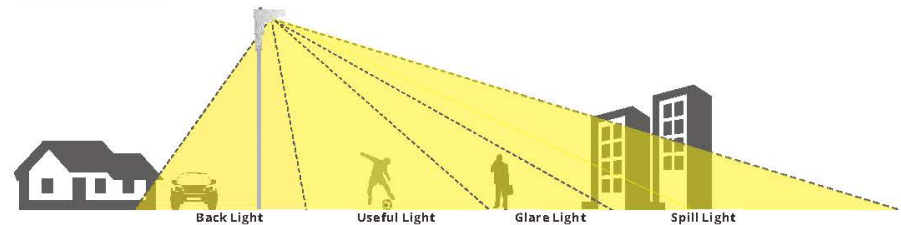
#### Precise Angle Rotation

Bracket can be rotated precisely 5 degrees each scale.

### Ataman Series



### Others

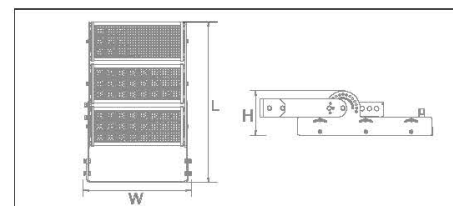




In order to replace traditional lighting fixtures for stadium, but retain the old mast, the weight of the led light must be closer to the traditional fixture, and less wind resistance. Our highlander series high mast light is designed right in this purpose. With finned pure aluminum radiator, the weight is 60% less, but heat dissipation surface increases 40%.

**Features**

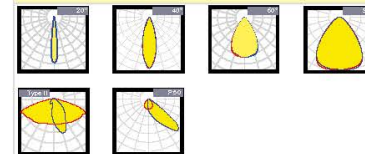
- Housing: Pure Aluminum A6063
- Thermal Conductivity: 226 W/m·K
- Led: CREE 3535&5050
- CRI: Ra>70 ( 80/90 for option)
- SDCM: <6
- Power Factor: >0.95
- THD: <15
- Driver: Sosen
- Driver Efficiency: >93%
- Protection: OTP, OCP, OVP, SCP
- Surge Protection: 10KV
- Waterproof: IP65
- Impact Test: IK08
- Electrical: 220-240V, 50/60Hz
- Operating Temperature: -40~50°C
- TM21: L90B10>50,000H
- Lifetime: 50,000H



**Functions**

ZigBee · PWM · DALI · 0/1~10V · DMX

**Optical options:**



Model	Module	Watt	Voltage	Lumen	CRI	IP	Dimension
CS250HE2H-CS	125W Module x2	250W	220~240V	37500LM	>70	IP65	L332*W350*H160
CS500HE4H-CS	125W Module x4	500W	220~240V	75000LM	>70	IP65	L628*W350*H160
CS750HE3H-CS	250W Module x3	750W	220~240V	112500LM	>70	IP65	L484*W587*H195
CS1000HE4H-CS	250W Module x4	1000W	220~240V	150000LM	>70	IP65	L632*W587*H195
CS1200HE5H-CS	250W Module x5	1200W	220~240V	187000LM	>70	IP65	L780*W587*H195
CS1500HE6H-CS	250W Module x6	1500W	220~240V	225000LM	>70	IP65	L928*W587*H195

