

Looking For Global Agents



The lightwing LED Sports & High Mast Floodlight

Lighting For The Next Generation



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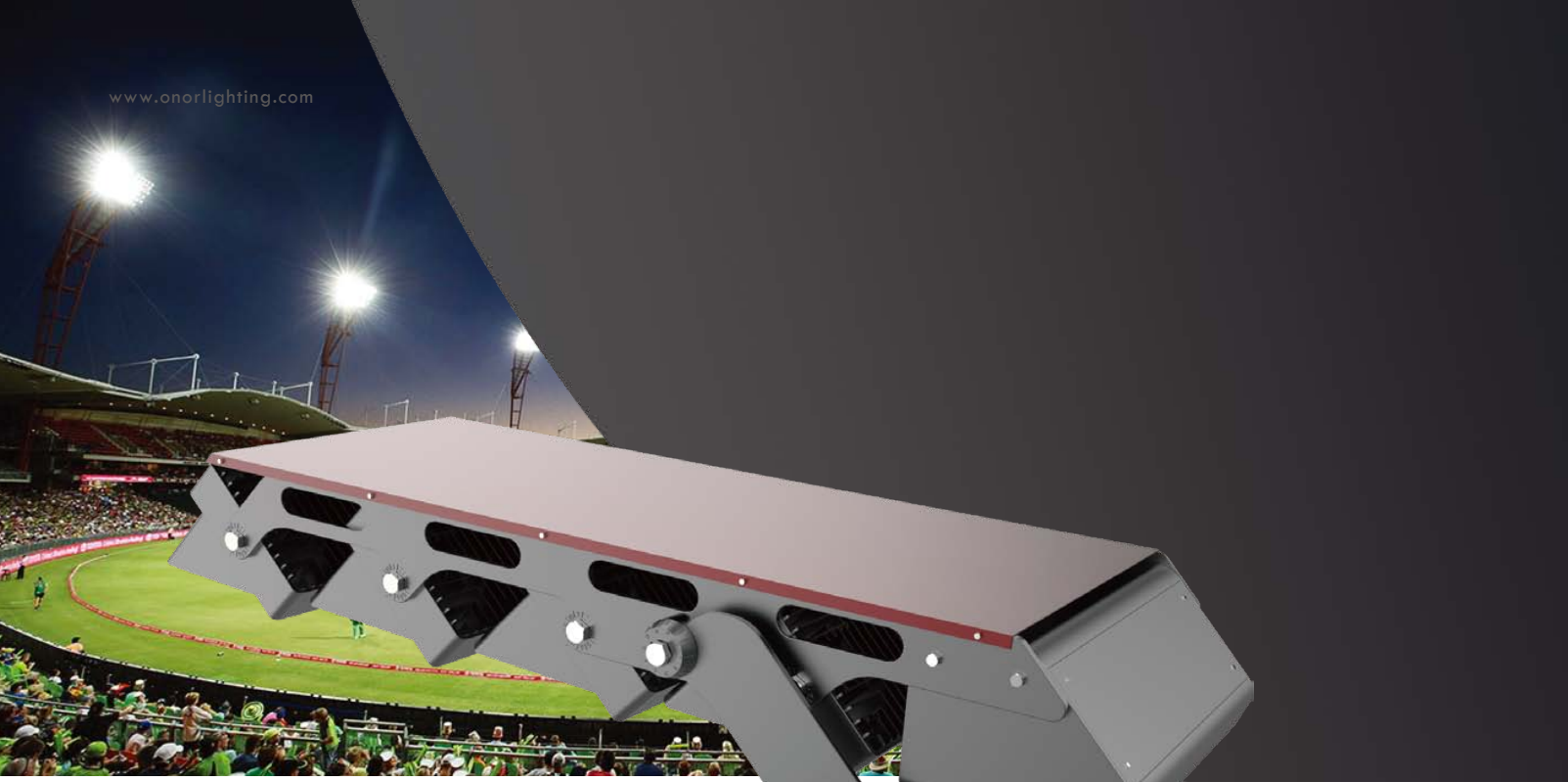
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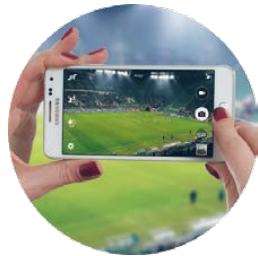


Seeing the best you can be

An innovative LED floodlight designed for highmast multifunctional lighting applications, supporting HD TV broadcasting standards for illumination of all sports. The lightwing is an aerodynamic profile made from marine grade aluminum for long life, low maintenance demands.

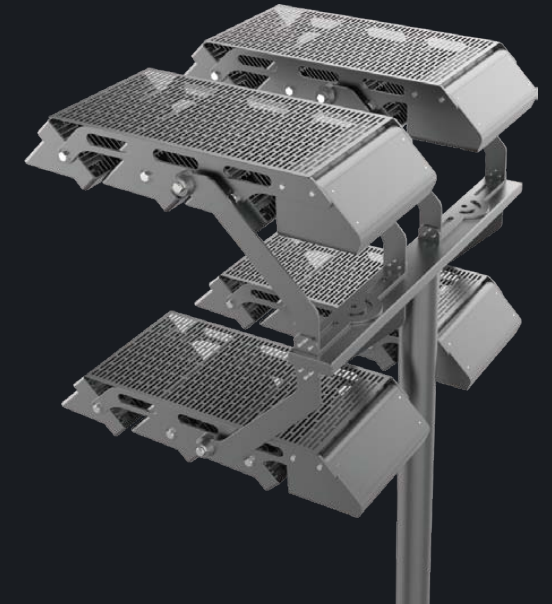
Its unique design is the first dynamic profile which allows for retrofitting to most existing lighting columns due to its low weight and low windage characteristics.

With high lighting performance standards plus an array of control options, the lightwing is the ideal solution for Sports arenas, Airports, Ports and Industrial environments.



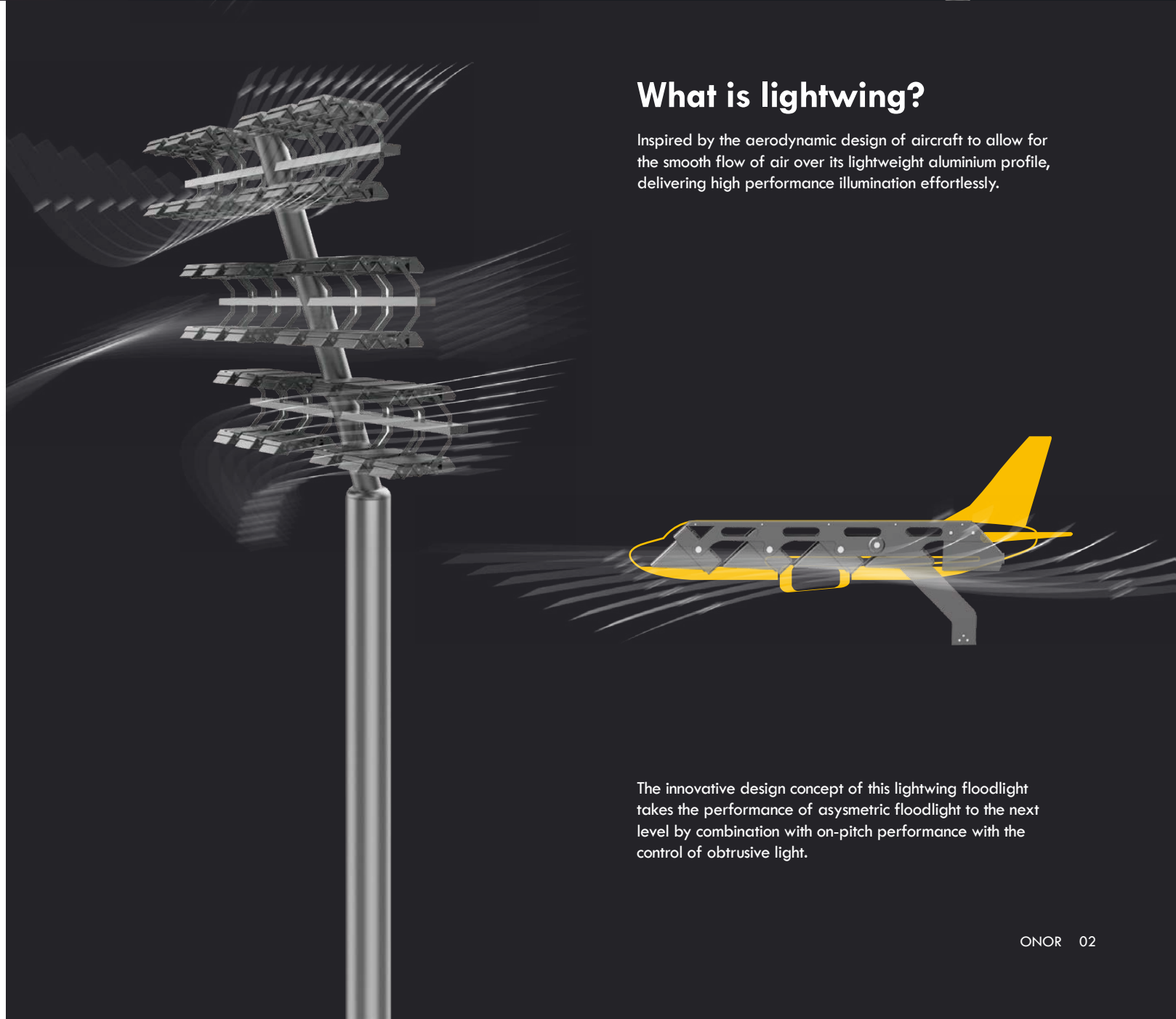
Aerodynamics Matter

The design of the lighting column is dependant on the weight and profile of the luminaire. The safety of columns in high winds and harsh weather environments is critical in any applications. Upgrading to LED luminaires requires new considerations beyond energy savings and lux levels, it is never a simple swap out. However, replacing your lighting with luminaires of less weight and a smaller windage area than existing luminaires is a starting point.



What is lightwing?

Inspired by the aerodynamic design of aircraft to allow for the smooth flow of air over its lightweight aluminium profile, delivering high performance illumination effortlessly.

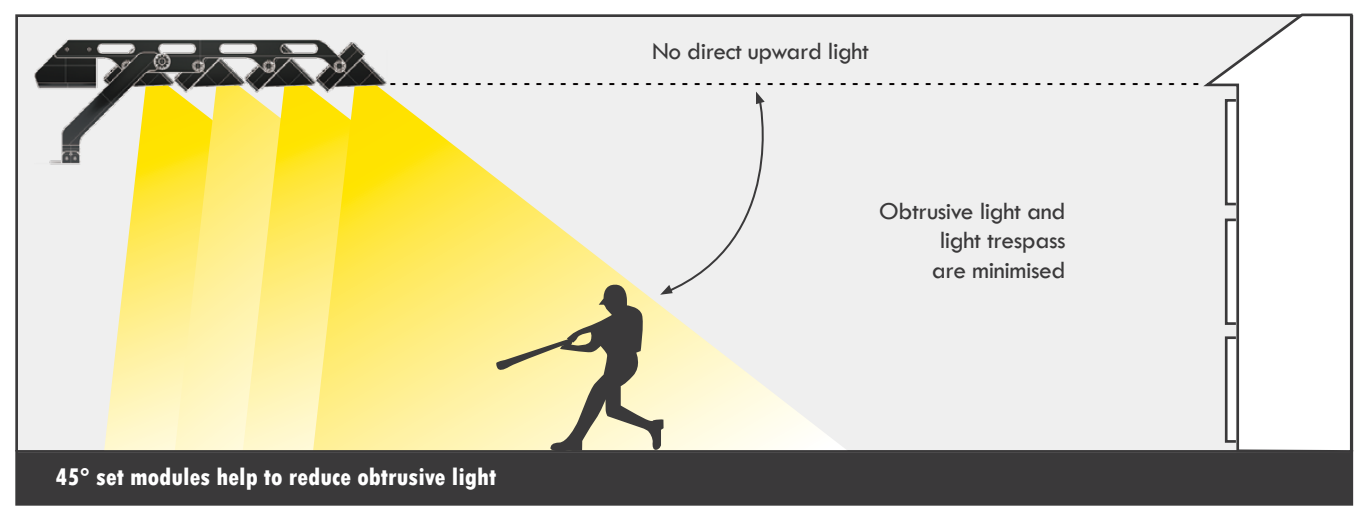
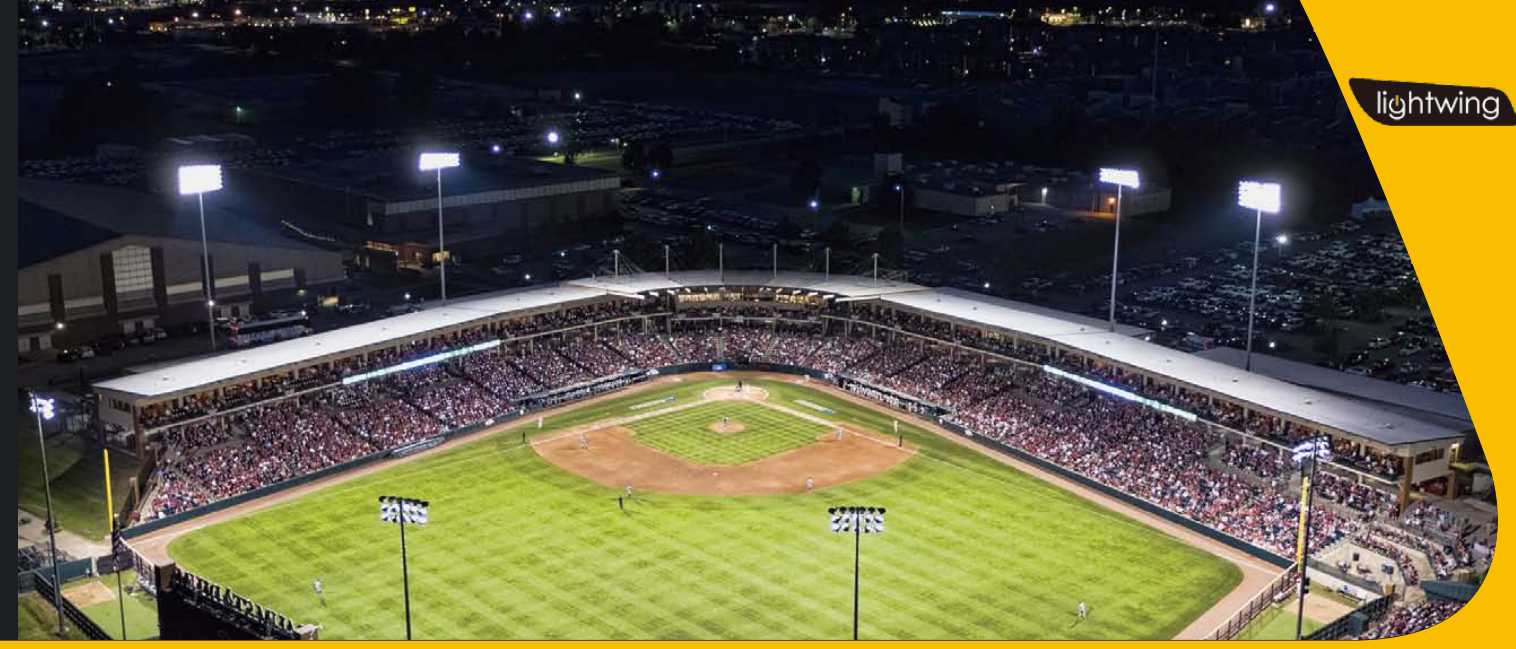


The innovative design concept of this lightwing floodlight takes the performance of asymmetric floodlight to the next level by combination with on-pitch performance with the control of obtrusive light.

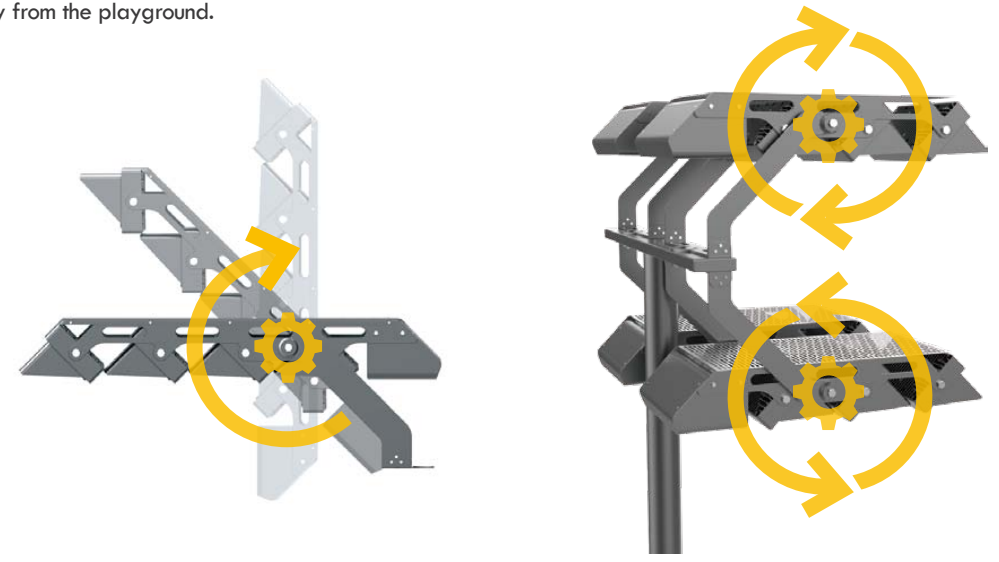
45°



lightwing's modules are 45° to vertical, with the front face providing an anti obtrusive light barrier. This barrier dramatically reduces the visibility of the led light source from outside the area of play



Besides, lightwing's bracket arms is 90° movable from X-bar to meet the illumination requirement of the central light area when the high mast is far away from the playground.



OUTSTANDING PERFORMANCE IN SPORTS & HIGH MAST LIGHTING



















Benefits

- High quality of light output
- Efficient performance delivery
- Lower energy costs and reduced carbon emissions
- Long life with minimal maintenance costs
- Advanced control options of each luminaire
- Suitable for new or most existing masts/columns.
- Made for the harshest environments
- Low glare with minimal overspill
- Bespoke version available

Features

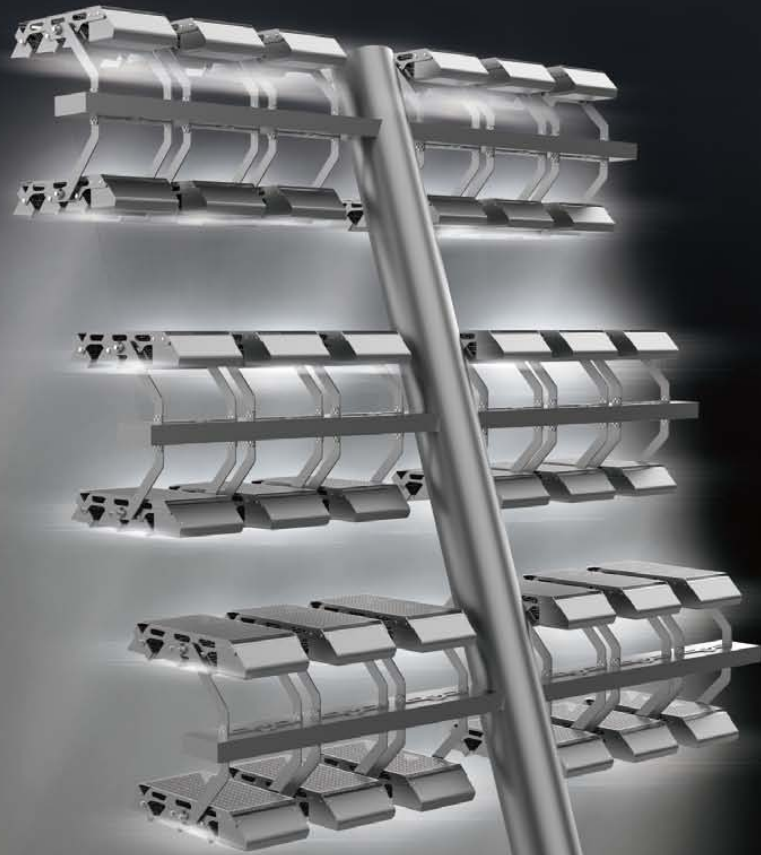
- Lumileds LED
- Up to 160lm/w
- High control rendering with up to 92 CRI
- Instant start or gradual start option
- Aerodynamic profile with low windage figures
- Easy to install and focus
- Flexible design to suit all applications

Applications

| | | | | | |
|---|---|---|---|---|---|
|  |  |  |  |  |  |
| STADIUMS ARENAS | OUTDOOR SPORTS | MULTI SPORTS HALLS | SWIMMING POOLS | HARBOR WHARF | AIRPORTS |
|  |  |  |  |  |  |
| UP TO 160LM/W | 40/70/100K HOURS L80/B10 | 3000 K 4000 K 5700 K | CRI 74 80 92 | 60% LESS WEIGHT THAN TYPICAL FIXTURES | 20KV SURGE PROTECTION |
|  |  |  |  |  |  |
| IK10 | IP67 | - 45 °C +55 °C | Flicker Free | UP TO 95+ | NB, MB, WB A1 |

What are the advantages of lightwing?

Currently up to 1500W of power easily replaces any conventional MH/HID lamps used in existing stadiums. A retrofit which minimises any additional infrastructural costs to upgrade



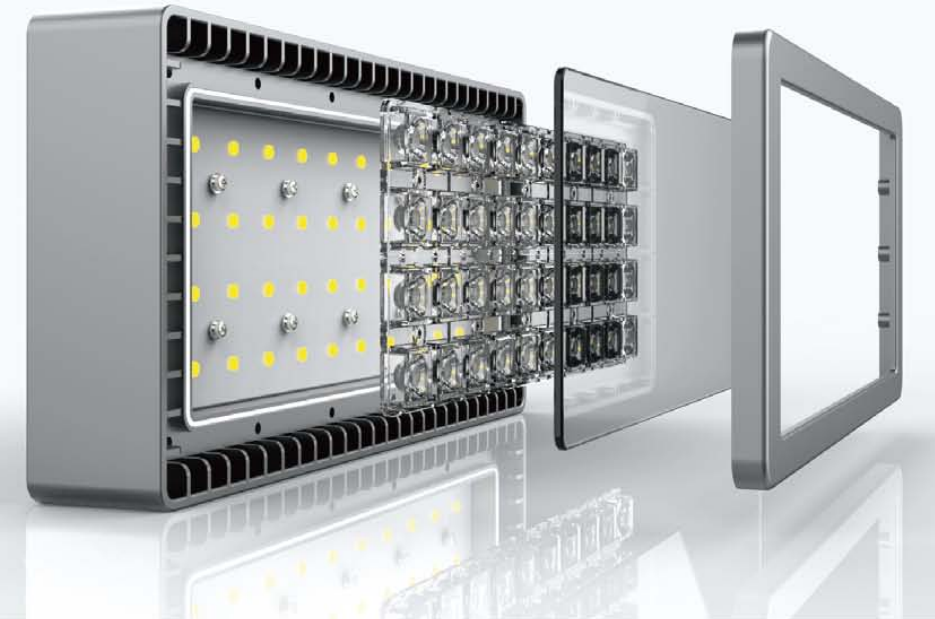
150W-1200W LED VS 500W-2500W MH/HID



800W-1500W for new built stadiums



98% transparency 3mm extra clear high toughened glass. Real UV resistance and anti-corrosion even in extreme harsh environment. The robust protection for lens and easy for cleaning away dust



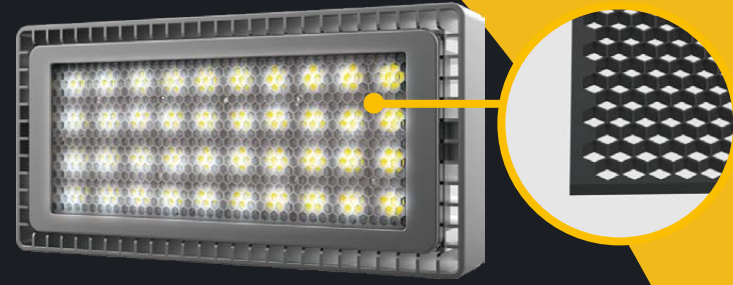
After 10 years
Optical lens with high toughened glass in front. Perfect UV resistance. Clean directly with water.

After 5 years
Lens without glass, low UV resistance.

Wire guard to avoid any unidentified damages and enhance the safety of luminaire. Prevent any objects from colliding and breaking the glass.



Double anti-glare: Our patent custom-engineered precise optical lens with controlled intensity and uniformity delivers super comfortable light with ultra-low glare value. Unique **glare control grid** upon the lens and **aluminum visor** over the head of luminaire can dramatically reduce glare again.



Housing body and heatsink are forged from high purity aluminium which makes lightwing lighter and smaller. Which both improves installation safety and reduces maintenance

Akzo Nobel powder coating finish guarantees the best anti corrosive finish for up to 25 years

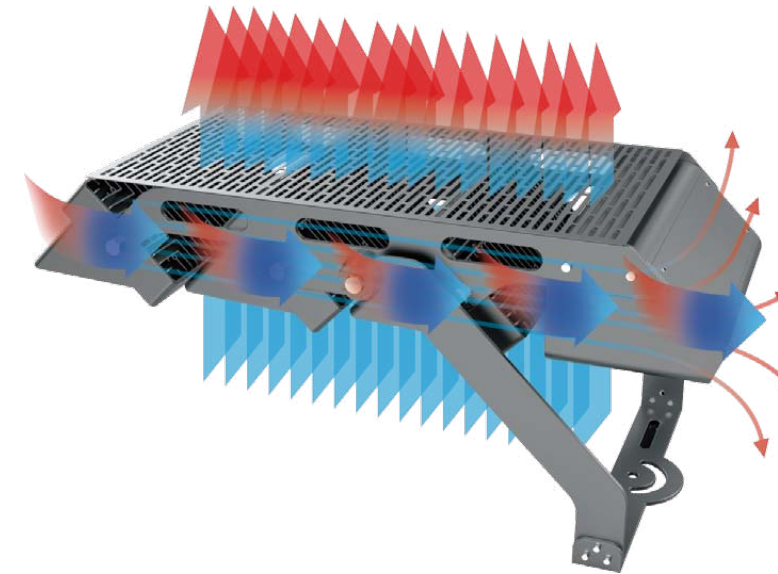


Rear Driver Box

Thermoelectric separation design ensure better heat dissipation and longer lifetime for the driver and LED module.

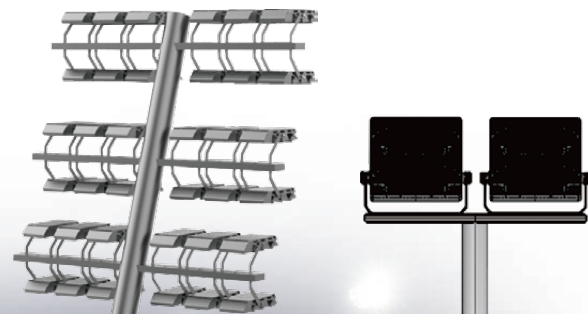


Remote Driver Box

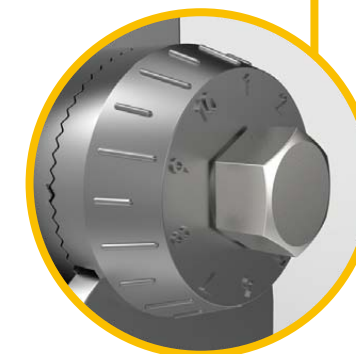


Heatsinks specifically designed for effective vertical air convection with a broad heat radiation surface area. Ensuring a lifespan up to 100,000hrs. The ultra low windage profile delivers excellent passive cooling

Remote drivers can be located up to **40m** away from luminaire



Patented designed high strength die-casting **trim lock** enables a fast and apt installation angle adjustments for lightwing. Different from other typical fittings that fastened by one iron screw and nut, it uses AISI316 parts to fasten the fitting and bracket. Passed wind speed test **>60m/s**. Resist up to **level-17** hurricane



Aiming Focusing System

Contractors can now install the lighting during the day and be confident they can meet the lighting design specification with pin point accuracy. Allows for accurate repositioning should lights need to be repositioned at a later date.



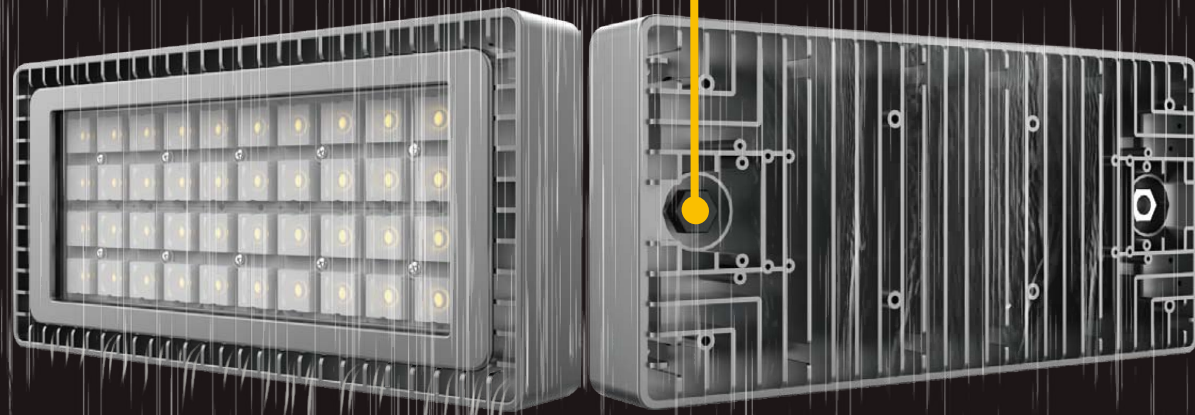
Aluminum rear cover can fully protect the modules from direct rain and prevent damage from bird nesting and dropping's corrosion.

Designed with self cleaning slots to ensure no build up of water or particles over time



AISI304 Made Respirator

Perfectly balanced the internal&external pressure and humidity



Self-developed 20KV surge protector as standard equipped. Double assurance safety and super longer lifespan



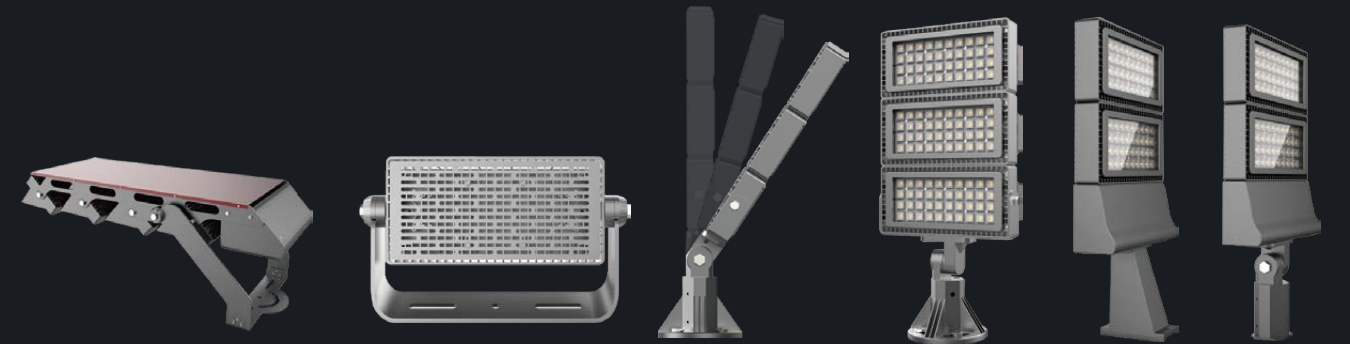
IP68 plug and play connectors for all wirings. Easy maintenance and safer



Intelligent Dimming Control System

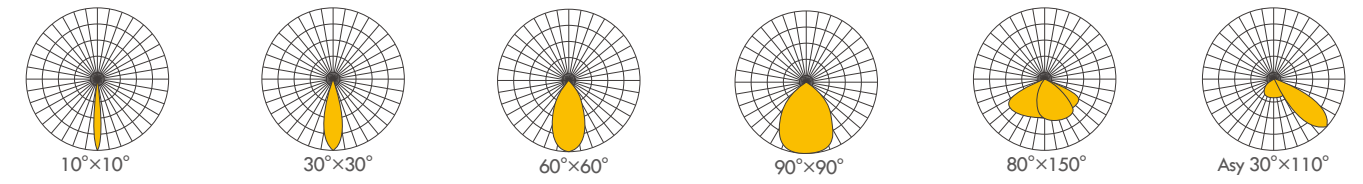


Various installation brackets to meet all requirements



| Model | Picture | Front View | Side View | Top/Bottom View |
|--|---------|------------|-----------|-----------------|
| LW-200 LWA-150 1 LED Module | | | | |
| LW-400 LWA-300 2 LED Modules | | | | |
| LW-400 Pro LWA-300 Pro 2 LED Modules | | | | |
| LW-600 LWA-450 3 LED Modules | | | | |
| LW-600 Pro LWA-450 Pro 3 LED Modules | | | | |
| LW-800 LWA-600 4 LED Modules | | | | |
| LW-800 Pro LWA-600 Pro 4 LED Modules | | | | |
| LW-1200 LWA-900 6 LED Modules | | | | |
| LW-1200 Pro LWA-900 Pro 6 LED Modules | | | | |
| LW-1600 LWA-1200 8 LED Modules | | | | |

Beam Spread



LUMILEDS 5050 LEDs

| | LW-200 (1 module) | LW-400 (2 modules) | LW-600 (3 modules) | LW-800 (4 modules) | LW-1200 (6 modules) | LW-1600 (8 modules) | LW-2000 (10 modules) |
|---------------------------------|--|----------------------|----------------------|---------------------|---------------------|---------------------|----------------------|
| System Power (Wattage) | 200W | 400W | 600W | 800W | 1200W | 1600W | 2000W |
| Replaces (MH/HID) | 500W± | 900W ± | 1500W± | 2000W± | 2500W± | 3500W± | 5000W± |
| Lighting Efficiency | 160LM/W | | | | | | |
| Delivered Lumen (LM) | 32,000lm | 64,000lm | 96,000lm | 128,000lm | 192,000lm | 256,000lm | 320,000lm |
| Input Voltage (V) | 90-305 VAC, 347-480 VAC | | | | | | |
| Power Factor | 0.98 | | | | | | |
| Color Temperature (Kelvin) | 3500K, 4000K, 5000K, 5700K, 6500K | | | | | | |
| Beam Angles | 30°, 60°, 90°, 80°x150°, Asy 30°x110° | | | | | | |
| CRI | 74/80/92 | | | | | | |
| Net Weight (with drivers) | 5.0kg | 10.5kg, 14.0kg (Pro) | 15.0kg, 18.0kg (Pro) | 22.0kg, 25.0kg(Pro) | 26.0kg, 33.2kg(Pro) | 46.0kg | N/A |
| Net Weight (without drivers) | 3.8kg | 7.7kg, 12.0kg (Pro) | 12.0kg, 15.0kg (Pro) | 17.5kg, 20.5kg(Pro) | 21.0kg, 30.0kg(Pro) | 39.0kg | N/A |
| EPA/Wind Area (m ²) | 0.028 | 0.06, 0.03 (Pro) | 0.12, 0.093(pro) | 0.16, 0.13(Pro) | 0.24, 0.21(Pro) | 0.31 | N/A |
| Operating Temp (°C) | -40°C ~ +55°C | | | | | | |
| Surge Protection Device | 20KV | | | | | | |
| Ingress protection (IP) | 67 | | | | | | |
| Housing Color | RAL9007, Black, White | | | | | | |
| Hardware Materials | AISI304 for bracket,screws,fasteners, gasket(AISI316 for harsh environment) Aluminum for driver box, visor, AISI304 for wire guard | | | | | | |
| Electrical Insulation Class | I | | | | | | |
| Dimming Control | Switch,Zigbee Wireless,Dali,DMX | | | | | | |
| Surface Treatment | Gavanizing for brackets,visor,cover,Sand-blasting for aluminum parts,Akzo Nobel Powder Coating for All | | | | | | |
| Expected Life Span (hrs) | >100,000 hrs. | | | | | | |
| Warranty | 10-Years on the LEDs, 7-Years on the Driver; Complete Warranty @ www.onorlighting.com | | | | | | |

LUMILEDS 5050 LEDs

| | LWA-150 (1 module) | LWA-300 (2 modules) | LWA-450 (3 modules) | LWA-600 (4 modules) | LWA-900 (6 modules) | LWA-1200 (8 modules) | LWA-1500 (10 modules) |
|---------------------------------|--|----------------------|----------------------|---------------------|---------------------|----------------------|-----------------------|
| System Power (Wattage) | 150W | 300W | 450W | 600W | 900W | 1200W | 1500W |
| Replaces (MH/HID) | 400W± | 1000W± | 1200W± | 1500W± | 2000W± | 2500W± | 3000W± |
| Lighting Efficiency | 160LM/W | | | | | | |
| Delivered Lumen (LM) | 24,000 | 48,000 | 72,000 | 96,000 | 144,000 | 192,000 | 240,000 |
| Input Voltage (V) | 90-305 VAC, 347-480 VAC | | | | | | |
| Power Factor | 0.98 | | | | | | |
| Color Temperature (Kelvin) | 3500K, 4000K, 5000K, 5700K, 6500K | | | | | | |
| Beam Angles | 30°, 60°, 90°, 80°x150° | | | | | | |
| CRI | 74/80/92 | | | | | | |
| Net Weight (with drivers) | 5.0kg | 10.5kg, 14.0kg (Pro) | 12.0kg, 9.0kg (Pro) | 22.0kg, 25.0kg(Pro) | 26.0kg, 33.2kg(Pro) | 46.0kg | N/A |
| Net Weight (without drivers) | 3.8kg | 7.7kg, 12.0kg (Pro) | 18.0kg, 15.0kg (Pro) | 17.5kg, 20.5kg(Pro) | 22.0kg, 35.9kg(Pro) | 39.0kg | N/A |
| EPA/Wind Area (m ²) | 0.028 | 0.06, 0.03 (Pro) | 0.12, 0.093(Pro) | 0.16, 0.13(Pro) | 0.24, 0.21(Pro) | 0.31 | N/A |
| Operating Temp (°C) | -40°C ~ +55°C | | | | | | |
| Surge Protection Device | 20KV | | | | | | |
| Ingress protection (IP) | 67 | | | | | | |
| Housing Color | RAL9007, Black, White | | | | | | |
| Hardware Materials | AISI304 for bracket,screws,fasteners, gasket(AISI316 for harsh environment) Aluminum for driver box, visor, AISI304 for wire guard | | | | | | |
| Electrical Insulation Class | I | | | | | | |
| Dimming Control | Switch,Zigbee Wireless,Dali,DMX | | | | | | |
| Surface Treatment | Gavanizing for brackets,visor,cover,Sand-blasting for aluminum parts,Akzo Nobel Powder Coating for All | | | | | | |
| Expected Life Span (hrs) | >100,000 hrs. | | | | | | |
| Warranty | 10-Years on the LEDs, 7-Years on the Driver; Complete Warranty @ www.onorlighting.com | | | | | | |

OSRAM 3737 LEDs

| | LW - 200 (1 module) | LW - 400 (2 modules) | LW - 600 (3 modules) | LW - 800 (4 modules) | LW - 1200 (6 modules) | LW - 1600 (8 modules) | LW - 2000 (10 modules) |
|---------------------------------|--|----------------------|----------------------|----------------------|-----------------------|-----------------------|------------------------|
| System Power (Wattage) | 200W | 400W | 600W | 800W | 1200W | 1600W | 2000W |
| Replaces (MH/HID) | 500W± | 900W ± | 1500W± | 2000W± | 2500W± | 3500W± | 5000W± |
| Lighting Efficiency | 160LM/W | | | | | | |
| Delivered Lumen (LM) | 32,000lm | 64,000lm | 96,000lm | 128,000lm | 192,000lm | 256,000lm | 320,000lm |
| Input Voltage (V) | 90-305 VAC, 347-480 VAC | | | | | | |
| Power Factor | 0.98 | | | | | | |
| Color Temperature (Kelvin) | 3500K, 4000K, 5000K, 5700K, 6500K | | | | | | |
| Beam Angles | 10° | | | | | | |
| CRI | 74/80/92 | | | | | | |
| Net Weight (with drivers) | 5.0kg | 10.5kg, 14.0kg (Pro) | 12.0kg, 9.0kg (Pro) | 22.0kg, 25.0kg(Pro) | 26.0kg, 33.2kg(Pro) | 46.0kg | N/A |
| Net Weight (without drivers) | 3.8kg | 7.7kg, 12.0kg (Pro) | 18.0kg, 15.0kg (Pro) | 17.5kg, 20.5kg(Pro) | 22.0kg, 35.9kg(Pro) | 39.0kg | N/A |
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| Operating Temp (°C) | -40°C ~ +55°C | | | | | | |
| Surge Protection Device | 20KV | | | | | | |
| Ingress protection (IP) | 67 | | | | | | |
| Housing Color | RAL9007, Black, White | | | | | | |
| Hardware Materials | AISI304 for bracket,screws,fasteners, gasket(AISI316 for harsh environment) Aluminum for driver box, visor, AISI304 for wire guard | | | | | | |
| Electrical Insulation Class | I | | | | | | |
| Dimming Control | Switch,Zigbee Wireless,Dali,DMX | | | | | | |
| Surface Treatment | Gavanizing for brackets,visor,cover,Sand-blasting for aluminum parts,Akzo Nobel Powder Coating for All | | | | | | |
| Expected Life Span (hrs) | >100,000 hrs. | | | | | | |
| Warranty | 10-Years on the LEDs, 7-Years on the Driver; Complete Warranty @ www.onorlighting.com | | | | | | |

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Where lightwing is Greatness Needs To Be Seen

