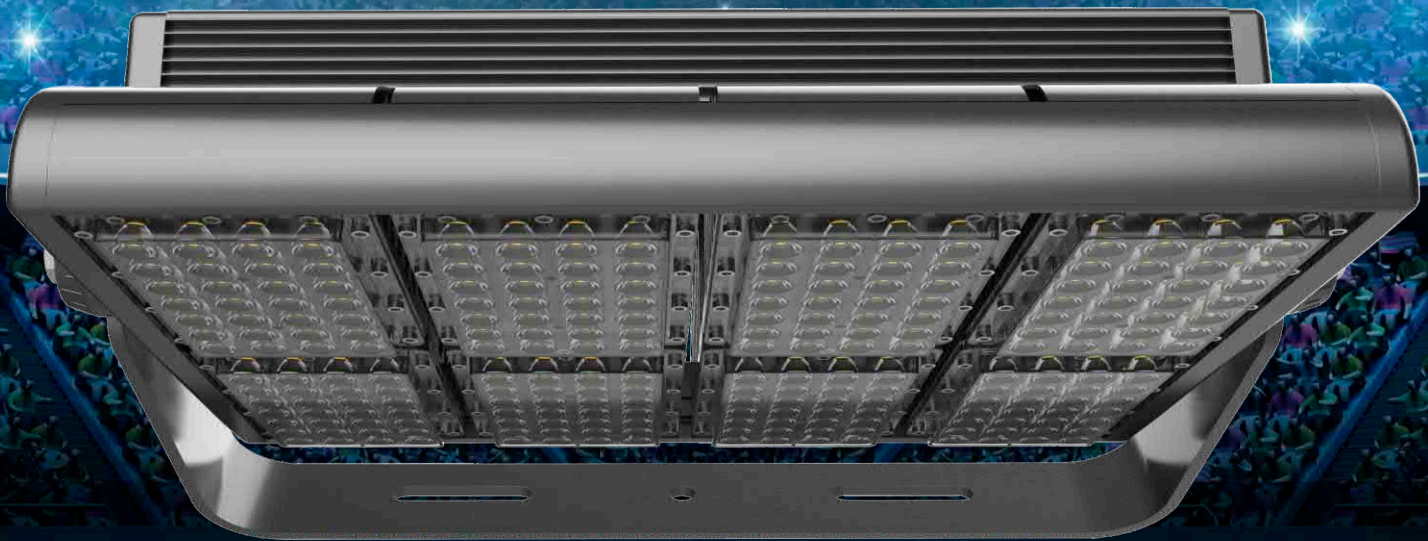




100W~1000W LED Luminaire



Patent
Design

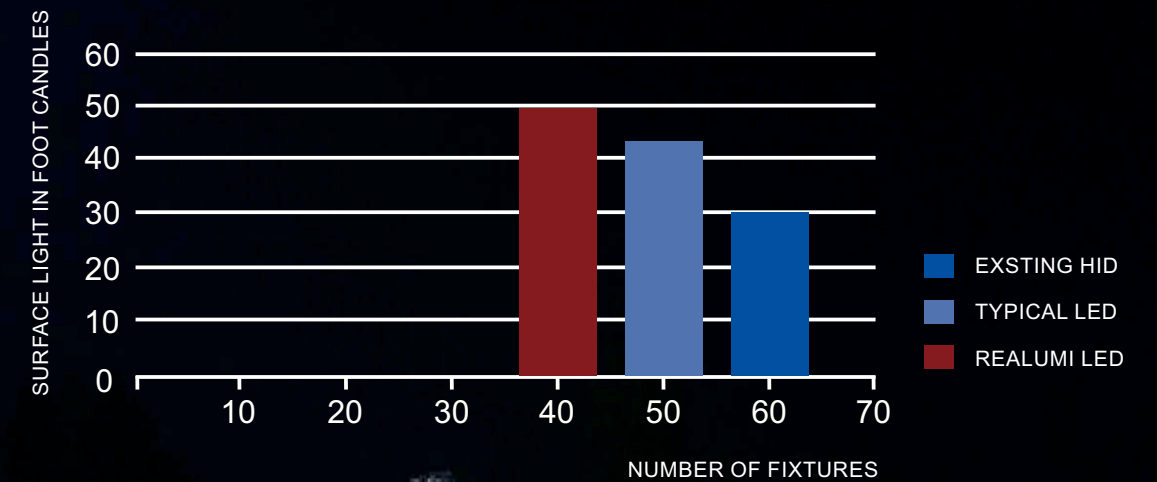
LED Luminaire -Innovation Lighting

This luminaire was designed to be applicable for both indoor and outdoor small playgrounds, medium sports fields, large stadiums and other areas which require precise and qualified lighting applications. Designed to be small enough and lightweight enough to be suitable for the existing infrastructure on the sites from different environments. Can be supplied up to 150-160lm/w by using super bright LED components. This outperforms 90% of LED field lighting solutions from other manufacturers in the market. The ReaLumi was designed utilizing Extrusion Aluminum profiles with LED light source packages that can last long enough even in high-temperature working environments. The ReaLumi also can offer wireless and intelligent control system by using DMX, WiFi or Bluetooth technology.



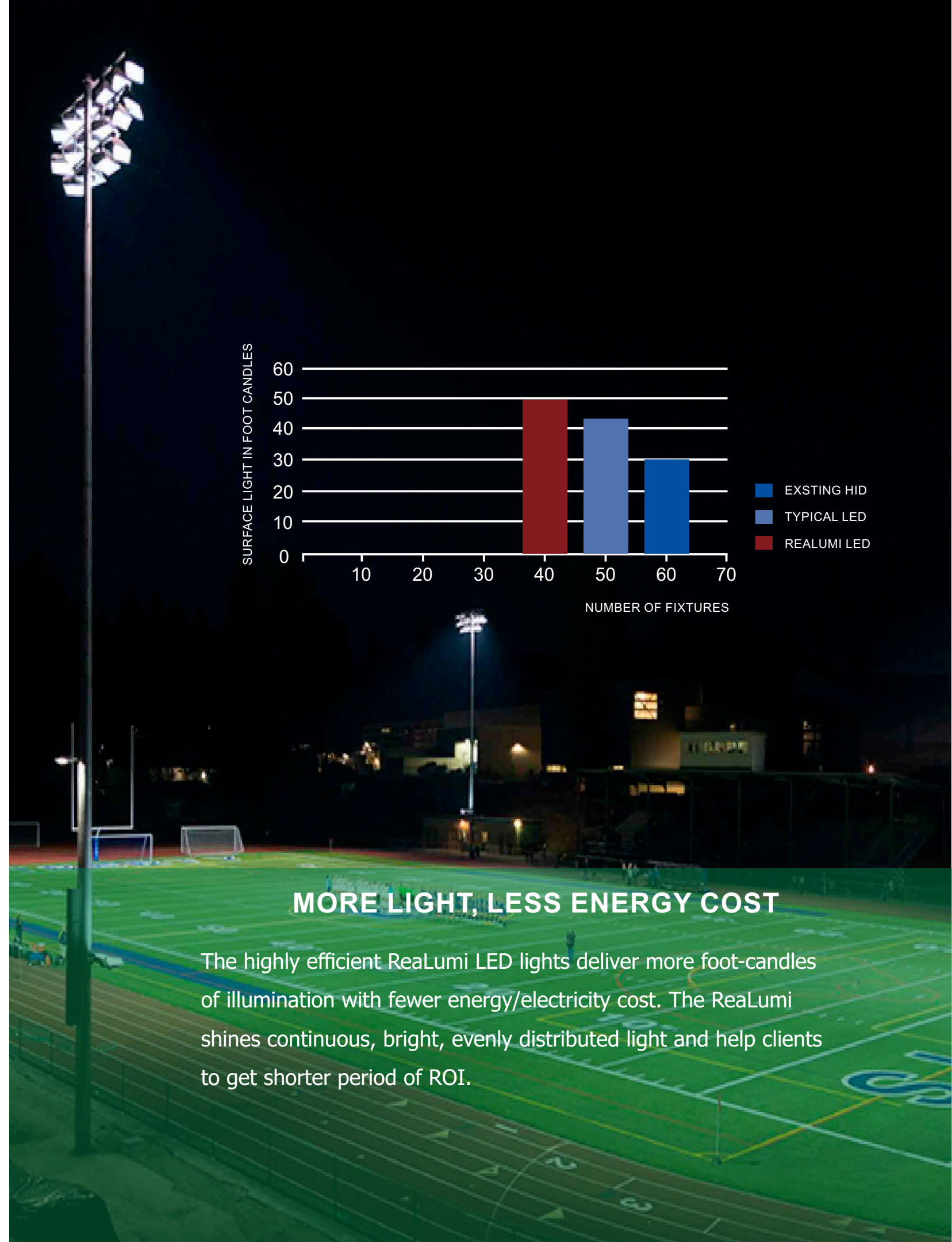
Real Lumi Series

Power	LEDs	Lumens	Input voltage	Color temp	Rated Life
100W	5050	130/160lm/w	90-305V/AC	2700-6500K	60,000+hours
150W	5050	130/160lm/w	90-305V/AC	2700-6500K	60,000+hours
200W	5050	130/160lm/w	90-305V/AC	2700-6500K	60,000+hours
240W	5050	130/160lm/w	90-305V/AC	2700-6500K	60,000+hours
300W	5050	130/160lm/w	90-305V/AC	2700-6500K	60,000+hours
400W	5050	130/160lm/w	90-305V/AC	2700-6500K	60,000+hours
480W	5050	130/160lm/w	90-305V/AC	2700-6500K	60,000+hours
600W	5050	130/160lm/w	90-305V/AC	2700-6500K	60,000+hours
720W	5050	130/160lm/w	90-305V/AC	2700-6500K	60,000+hours
960W	5050	130/160lm/w	90-305V/AC	2700-6500K	60,000+hours



MORE LIGHT, LESS ENERGY COST

The highly efficient ReaLumi LED lights deliver more foot-candles of illumination with fewer energy/electricity cost. The ReaLumi shines continuous, bright, evenly distributed light and help clients to get shorter period of ROI.



THE GAME-CHANGING POWER OF HIGH-PERFORMANCE TECHNOLOGY



OPTICS

The precisely engineered optics aim light to uniformly illuminate the field with more lux on ground. We use advanced materials to maximize light transmittance and protect the fixtures from the elements.



WITH GREAT POWER COMES BRIGHT LIGHT

The ReaLumi uses advanced technologies that are the most efficient in converting electricity to light, saving power but producing more lumens.



SOLID-STATE DESIGN

Our unique solid-state design is simple but state-of-the-art. With no moving parts, no bulbs to burn out, and no ballasts to replace, the ReaLumi is all but unbreakable-built to endure.



Smart Bracket

Our advanced bracket system is super applicable for field which require precise light arrangement.



TWO-WAY COMMUNICATION

We use semi-conductor-grade components and advanced communication technologies, including WiFi and Bluetooth, to give the ReaLumi system superior two-way communication. This allows you to directly monitor each light's health and performance.

TOTAL CONTROL

The ReaLumi Series transmits data wirelessly allowing you to easily access and control scheduling and dimming.

MODULARITY

The installation process is a breeze. Our luminaire is the only LED field lighting system designed to fully use your existing infrastructure. Not only does this minimize installation time, it eliminates the expense for new poles, demolition, engineering, and foundations, reducing overall cost greatly.

RESPIRATOR SYSTEM

After long-term working, LED lamps will produce a high difference of air pressure between light source cabin and ambient. This pressure will affect lifetime of luminaire. The respirator will be able to avoid such accident by balancing the different of air pressure.



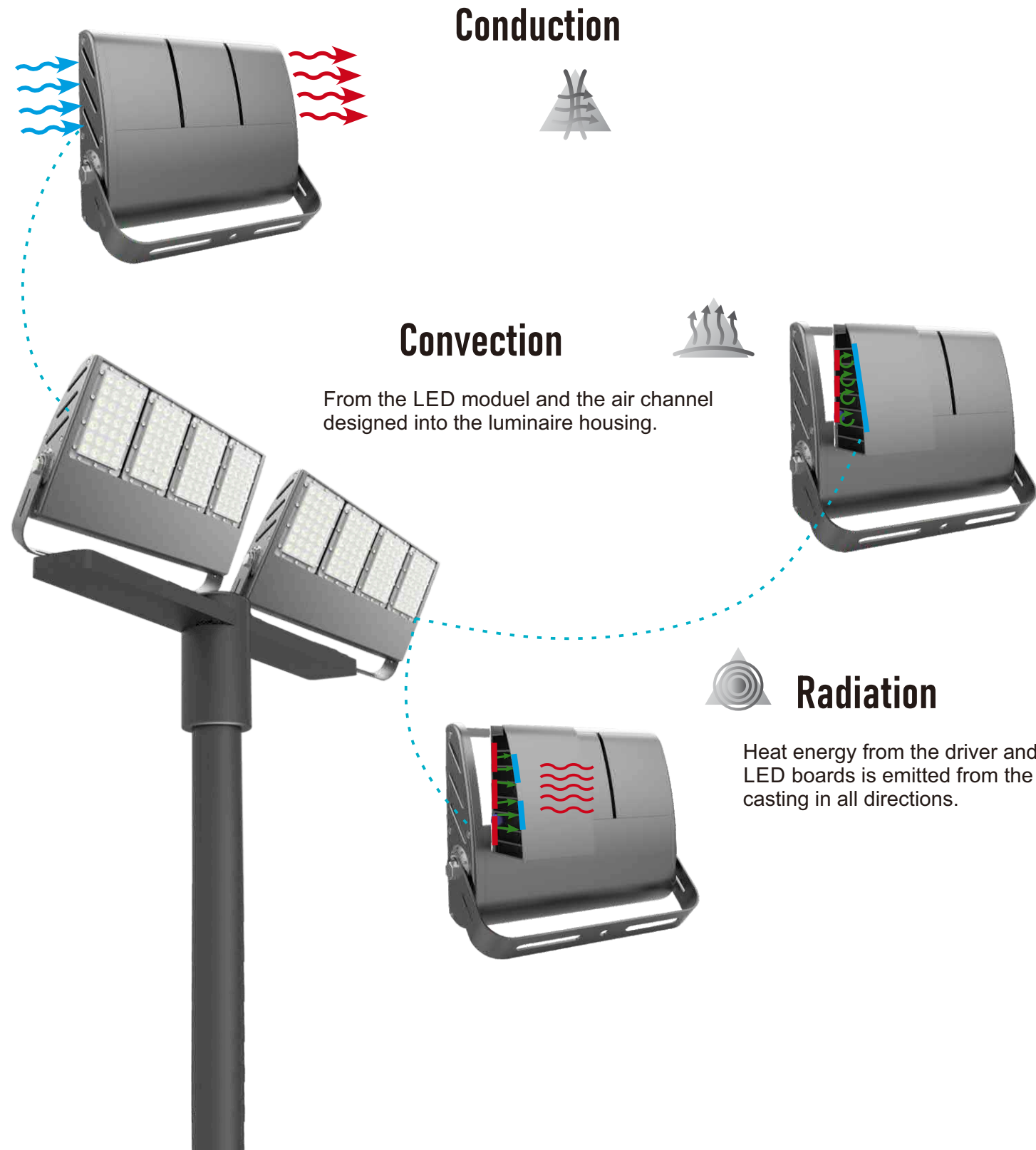
THERMAL MANAGEMENT

The unique extrusion aluminum body and fixture design dramatically improve thermal management, protecting ReaLumi from heat which can potentially degrade system performance



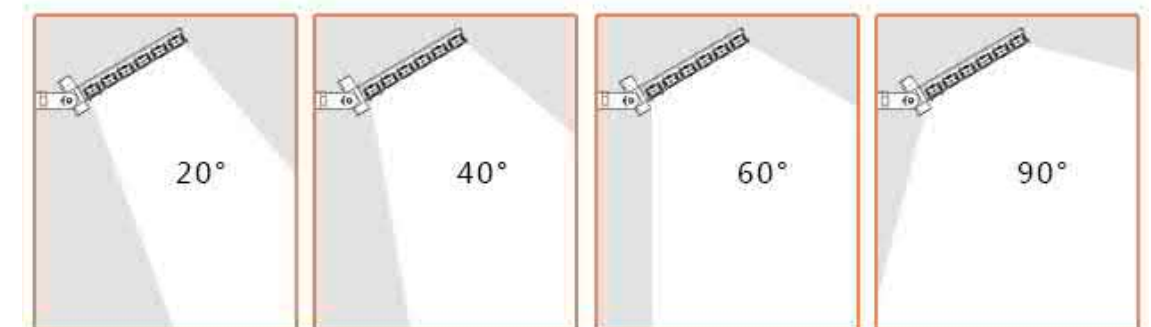
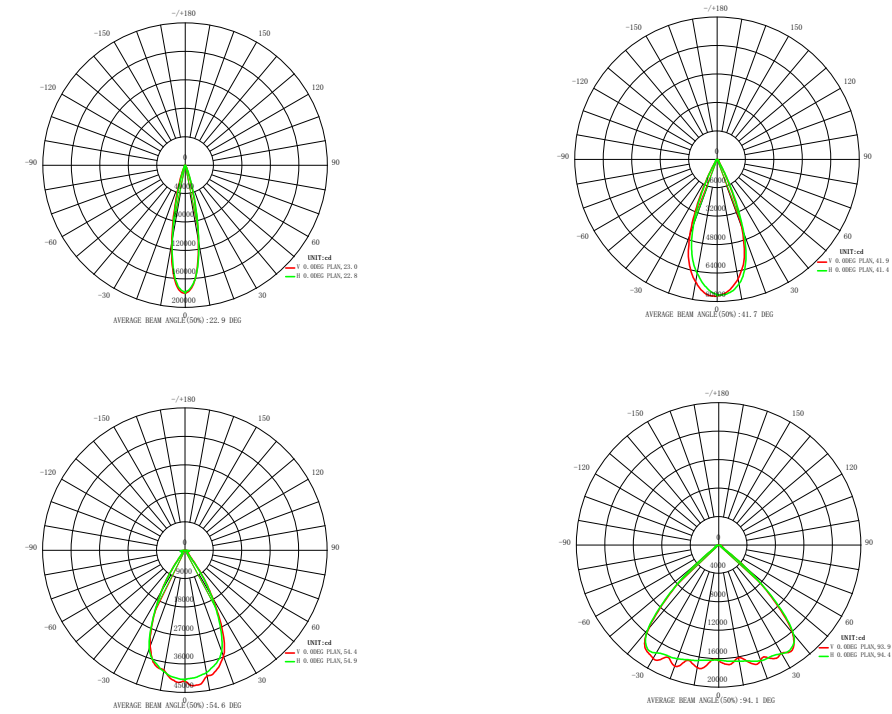
Excellent Thermal Management

It has been designed by extrusion aluminum with ventilation channels. The cooling system was assisted by the natural movement of air by convection of heat from critical electrical components. Three heat transfer principles of conduction, convection and radiation have been utilized to ensure LEDs mounted to the aluminum backed PCB and electrical drivers are thermally managed well within their limit to maximized system life.



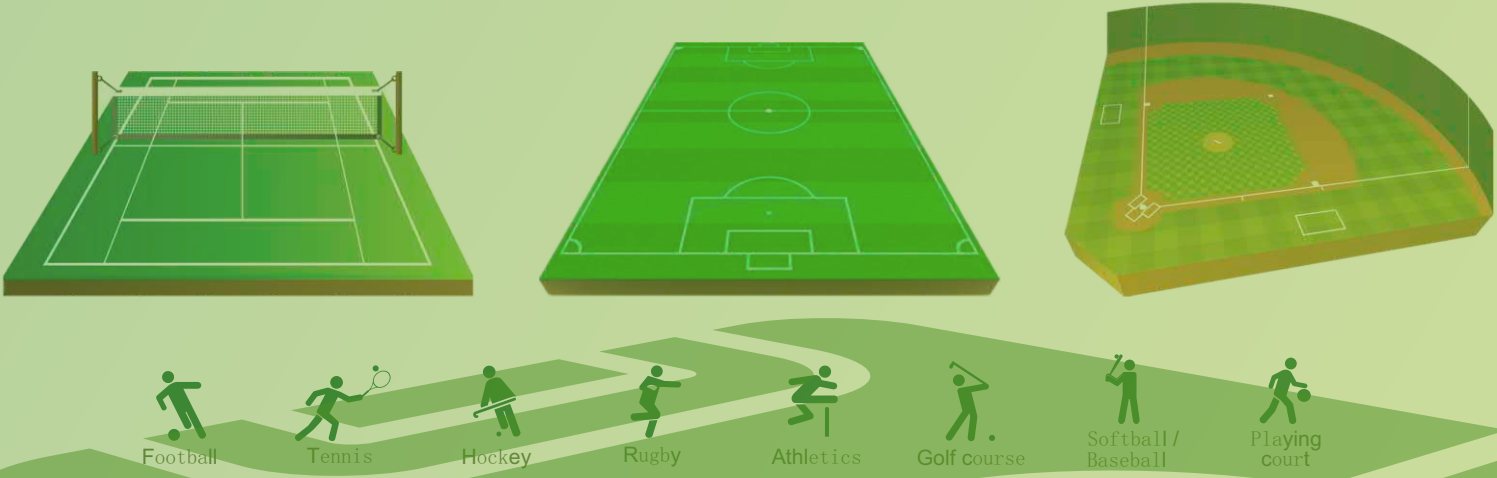
Extreme Uniformity of Light

Diversity of optical distributions

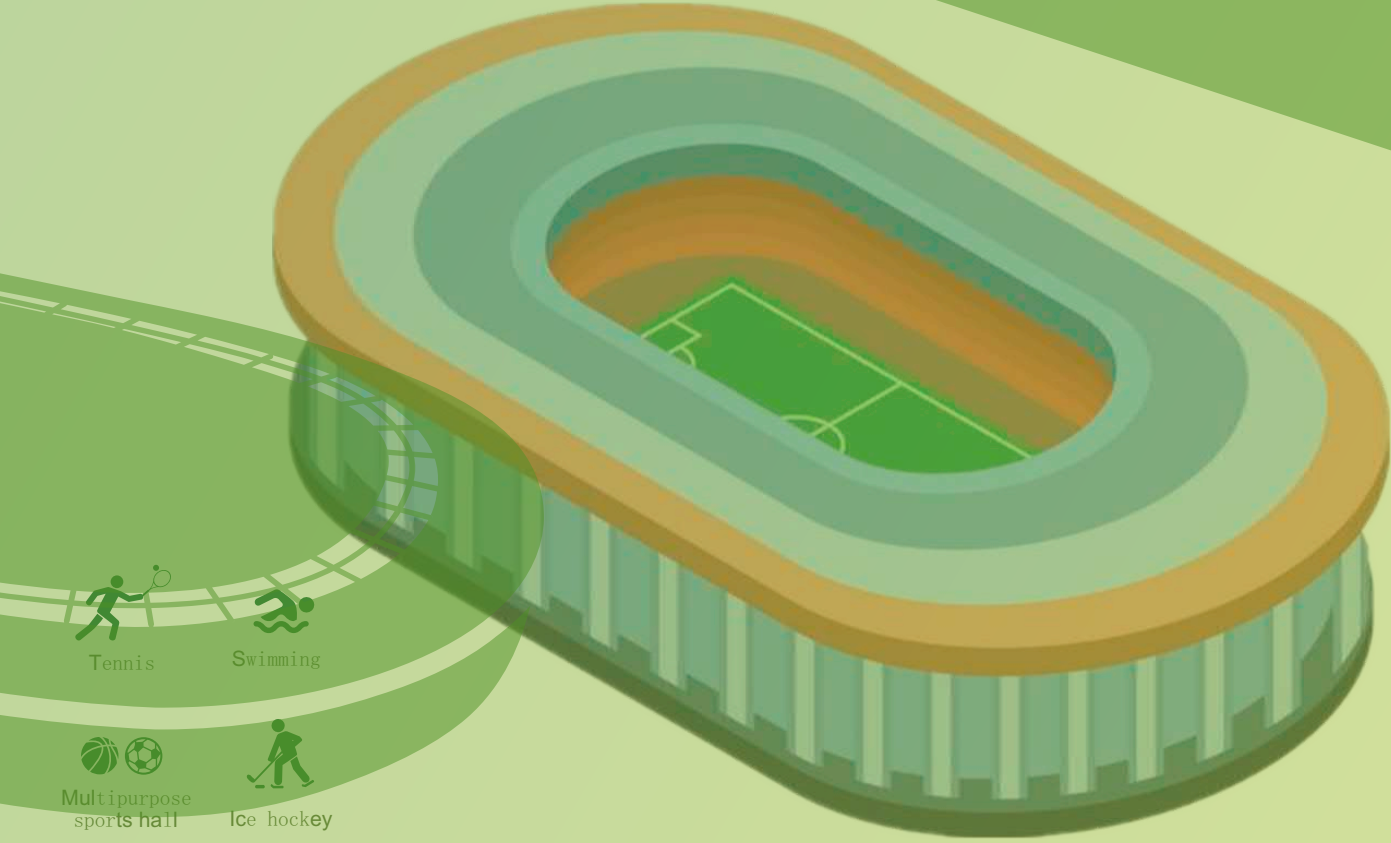


SOLUTION FOR SPORTS LIGHTING

OUTDOOR FIELDS



INDOOR FACILITIES



Lighting For Tennis Court

Tennis is a fast ball game. For this reason alone, good lighting is elementary. Finally, both the players and the viewers can actively follow the game. What which means in the game, the ball must always can be seen clearly, no matter where and how quickly it is.

Creating good visibility requires sufficient contrast to be created between objects and their backgrounds, good illumination levels and even distribution of light across the playing surface(uniformity) and by minimizing glare.

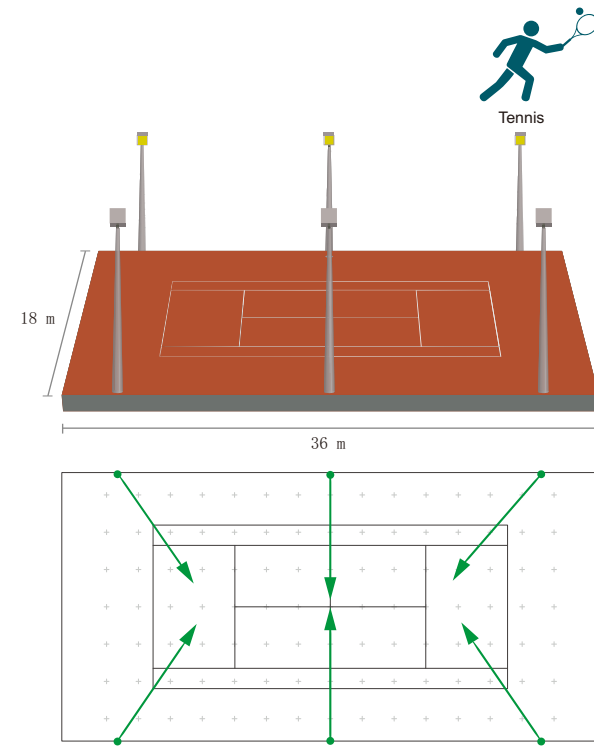
Requirements of the EN12193

		Lighting Class		
		I	II	III
Horizontal illuminance	E_m lx	500	300	200
	E_{min}/E_m	0.7	0.7	0.6
GR		50	50	55
R_s		60	60	20



Tennis court Class I

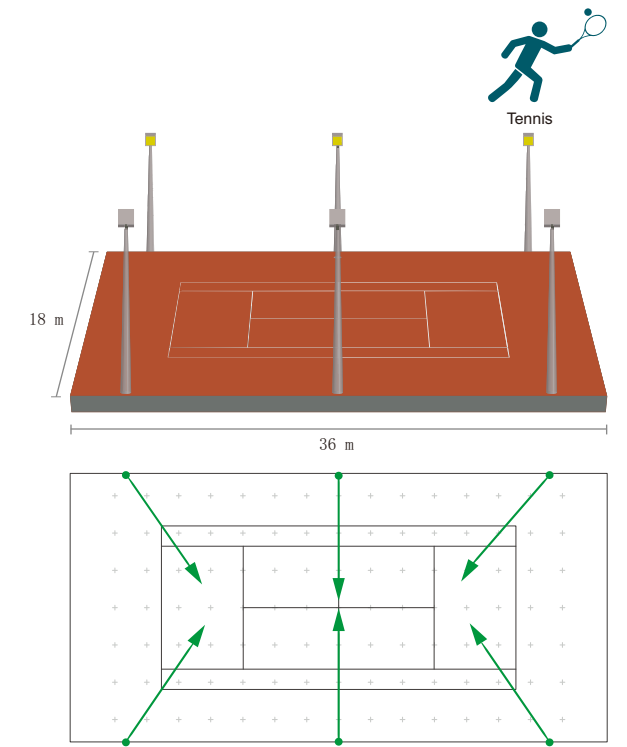
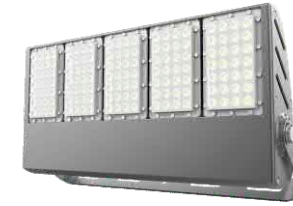
En12193: Eh ave>500lux
300W



Specifications	ReaLumi 300W
Poles	6 poles with 8 meter height
Flood Light	6x300W
Eh ave	>500lux
System power	1.8kW
Emin/Eave	>0.7
Ra	>70
GR Max	40
ULR	2%
MF	0.9

Tennis court Class II

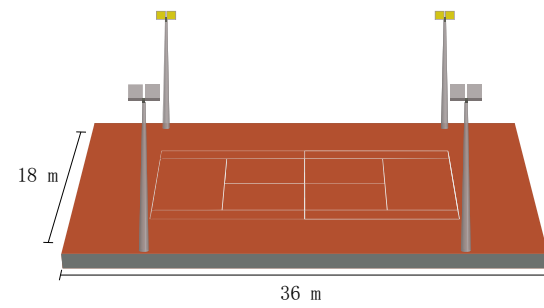
En12193: Eh ave>300lux
240W



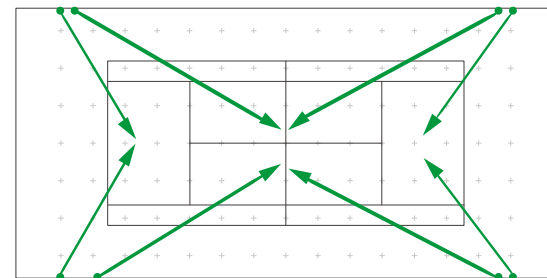
Specifications	ReaLumi 240W
Poles	6 poles with 8 meter height
Flood Light	6x240W
Eh ave	>300lux
System power	1.44kW
Emin/Eave	>0.6
Ra	>70
GR Max	40
ULR	1%
MF	0.9

Tennis court Class I

En12193: Eh ave>500lux
300W

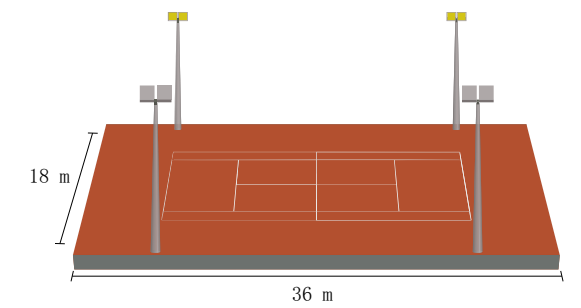


Specifications	ReaLumi 300W
Poles	4 poles with 8 meter height
Flood Light	8x300W
Eh ave	>500lux
System power	2.4kW
Emin/Eave	>0.7
Ra	>70
GR Max	50
ULR	2%
MF	0.9

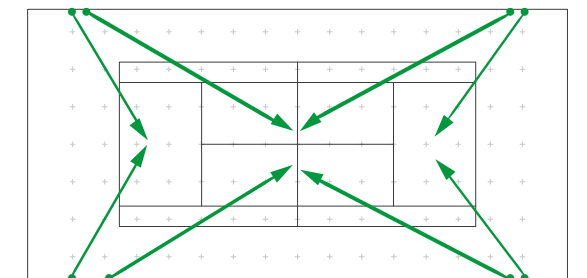


Tennis court Class II

En12193: Eh ave>300lux
240W



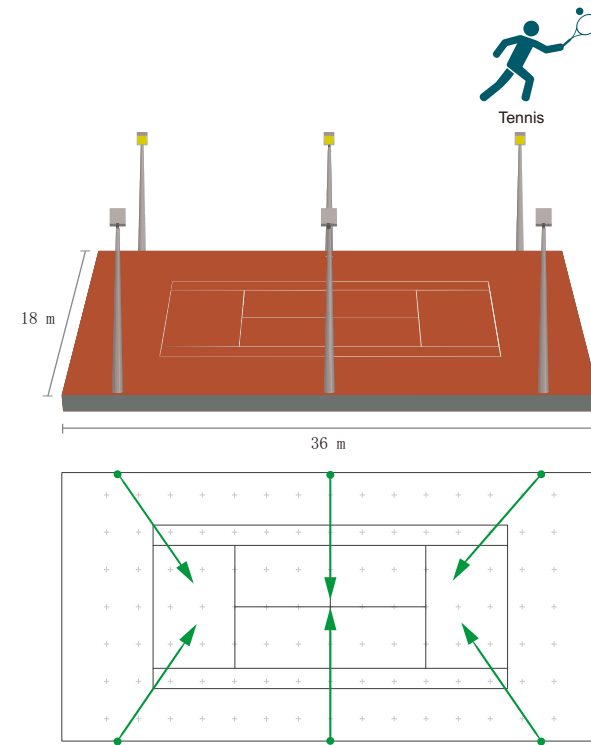
Specifications	ReaLumi 240W
Poles	4 poles with 8 meter height
Flood Light	8x240W
Eh ave	>300lux
System power	1.92kW
Emin/Eave	>0.6
Ra	>70
GR Max	40
ULR	1%
MF	0.9



Tennis court Class III

En12193: Eh ave>200lux

150W



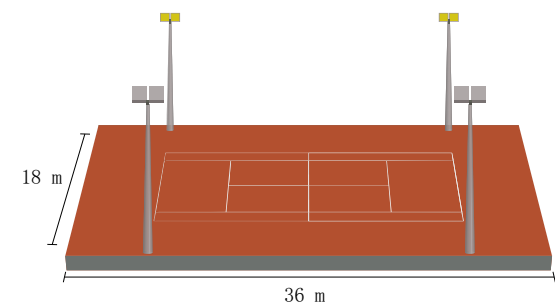
Specifications	ReaLumi 150W
Poles	6 poles with 8 meter height
Flood Light	6x150W
Eh ave	>200lux
System power	0.9kW
Emin/Eave	>0.6
Ra	>70
GR Max	40
ULR	2%
MF	0.9



Tennis court Class III

En12193: Eh ave>200lux

150W



Specifications	ReaLumi 150W
Poles	4 poles with 8 meter height
Flood Light	8x150W
Eh ave	>200lux
System power	1.2kW
Emin/Eave	>0.7
Ra	>70
GR Max	40
ULR	2%
MF	0.9

Lighting For Football Pitches

Football is the most popular sport in 120 countries in worldwide. It is also the most popular recreational game played by people in the evening after work. While playing in the evening, it must have effective lighting to maximize the opportunity for people to take part in the game.

The lighting quality should remain high in terms of uniformity, visual comfort and limitation of obstrusive light, especially in residential areas where leisure sports facilities are often located.

Requirements of the EN12193

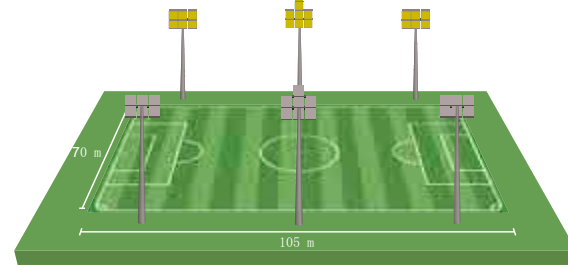
		Lighting Class		
		I	II	III
Horizontal illuminance	E_m lx	500	200	75
	E_{min}/E_m	0,7	0,6	0,5
GR		50	50	55
R_a		60	60	20

Football Class I

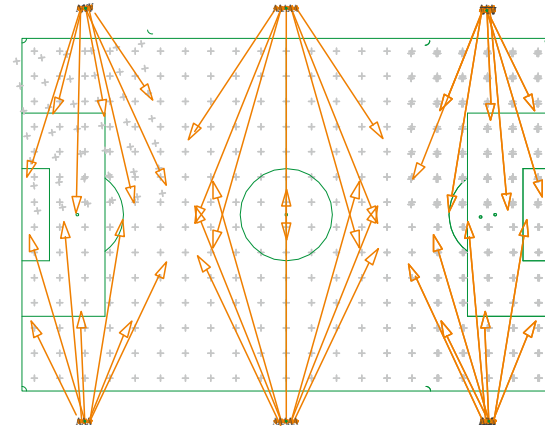
En12193: Eh ave>500lux
960W



Football



Specifications	Realumi 1000W
Poles	6 x 18 m
Floodlight	42 x 1000 W
System Power	42kW
Eh ave	> 500 lux
Emin/Eave	> 0.7
Ra	> 70
GR Max	40
ULR	2%
MF	0.9



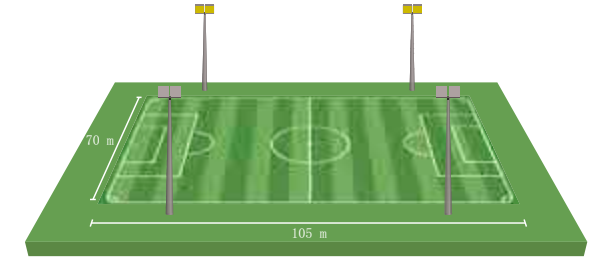
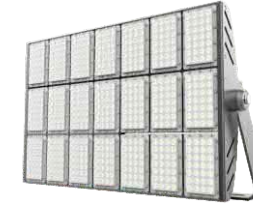
Floodlight aiming

Football Class II

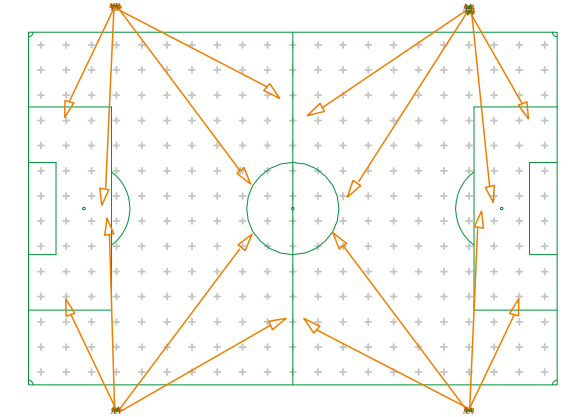
En12193: Eh ave>500lux
960W



Football

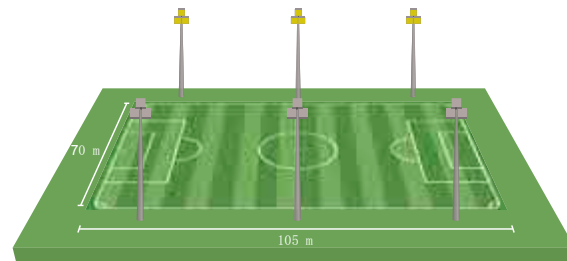


Specifications	Realumi 1000W
Poles	4 x 18 m
Floodlight	16 x Realumi 1000 W
System Power	16 kW
Eh ave	> 200 lux
Emin/Eave	> 0.7
Ra	> 70
GR Max	40
ULR	2%
MF	0.9

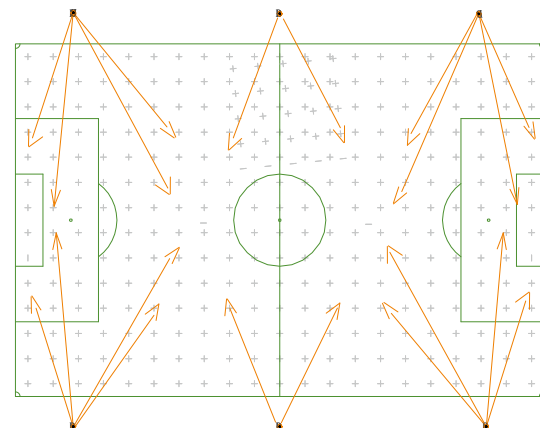


Football Class II

En12193: Eh ave>200lux
960W

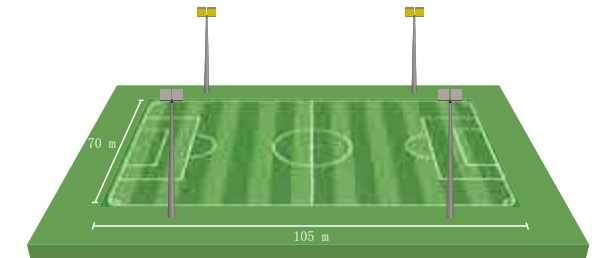


Specifications	Realumi 1000W
Poles	6 x 18 m
Floodlight	20 x 1000 W
System Power	20 kW
Eh ave	> 200 lux
Emin/Eave	> 0.7
Ra	> 70
GR Max	40.4
ULR	0%
MF	0.8

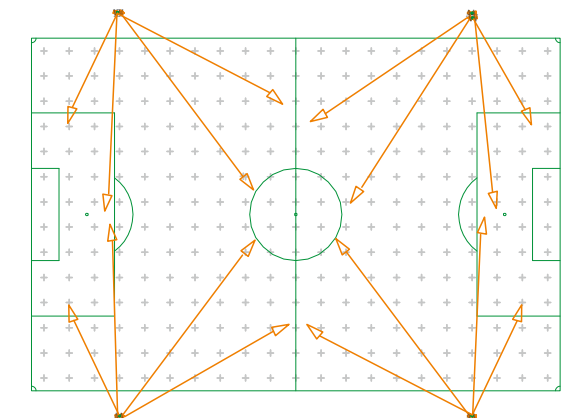


Football Class III

En12193: Eh ave>75lux
300W

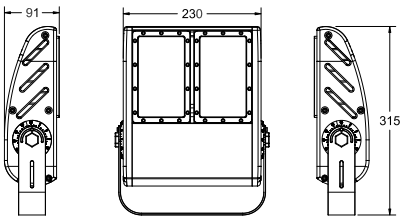


Specifications	Realumi 300W
Poles	4 x 18 m
Floodlight	16 x 300 W
System Power	4.8 kW
Eh ave	> 75 lux
Emin/Eave	> 0.5
Ra	> 70
GR Max	40
ULR	2%
MF	0.9

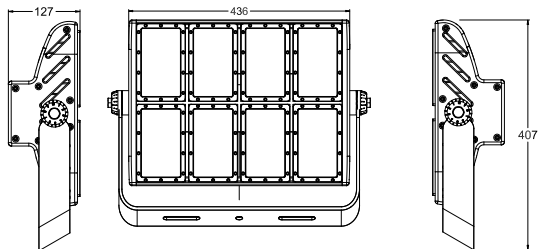


Dimension Drawing

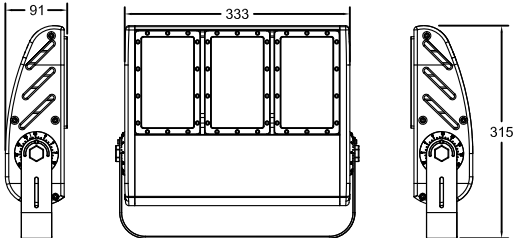
100W
3.5Kg
230x315x91mm



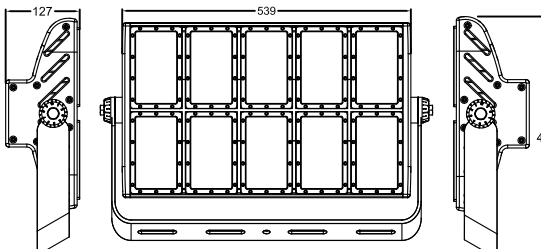
400W
11Kg
436x407x127mm



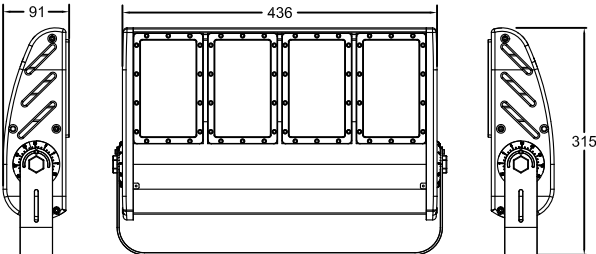
150W
4.5Kg
333 x315x91mm



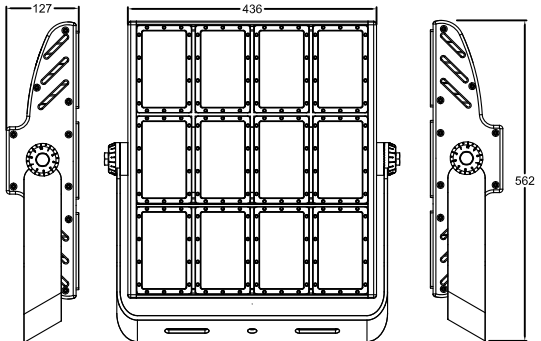
480W
13Kg
539x407x127mm



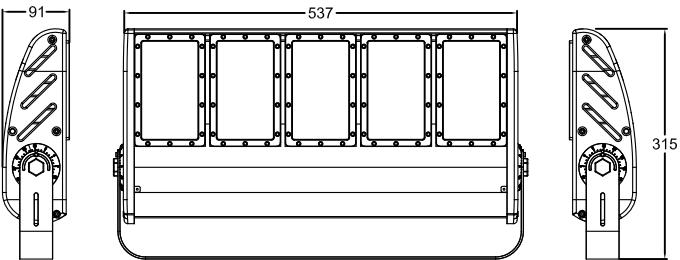
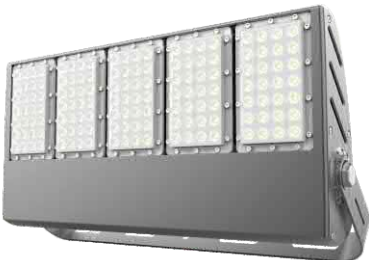
200W
5.5Kg
436 x315x91mm



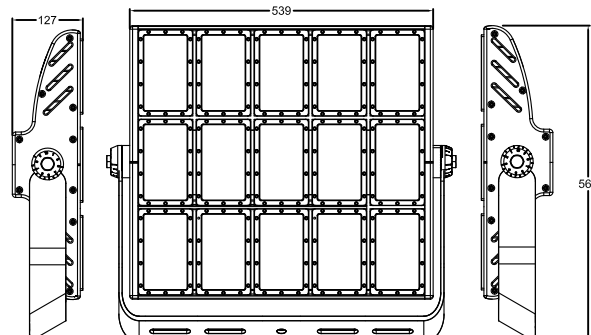
600W
21Kg
436x562x127mm



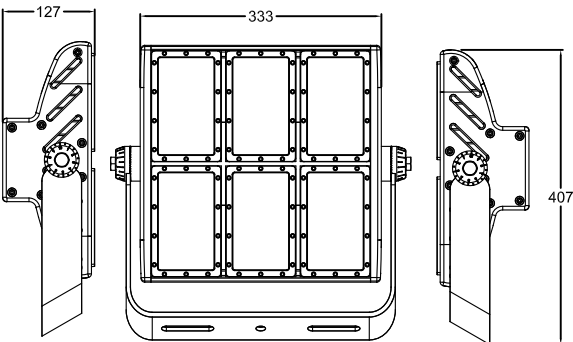
240W
6.5Kg
537x315x91mm



720W
23Kg
539x562x127mm



300W
9Kg
333x407x127mm



960W
26Kg
745x562x127mm

