KIRITO



SP04 G2.5

As a professional stadium lighting solution, the SP04 combines superior structural stability, easy installation and maintenance, high-efficiency professional light distribution, and optimized inventory management. It is fully engineered to meet all professional lighting requirements of sports stadiums.

Up to 145-150lm/W

IP66

IK08

C4 anti-corrosion

CB CE ENEC RoHS

Light Doesn't Just Illuminate. It Empowers Competition !



Over
1500lx

GR
≤50

Ra
≥80

From community fitness corners to world-class professional arenas, Valusport remains anchored in three core values: Precision Adaptation, Reliable Stability, and Professional Empowerment.

Ultimate Visual Experience:

Illuminance exceeding 1500lx, Ra≥80/90 high color rendering, restoring true colors for HD broadcasting;

Comfortable Competition:

GR≤50 low glare control, eliminating visual interference, safeguarding every jump and sprint of athletes;

Comprehensive Coverage:

With ultra-high luminous efficacy and multi-dimensional customized light distribution, meeting both the stringent demands of elite competitions and the comfort needs of public fitness.

Valuspor, empowering every passion for sport with professional lighting technology.

For most sports, lighting classes are specified in the EN standards. Depending on the class, the level can vary from 75 to 750 lux on the football pitch.

Class definition

CLASS I — High-level competitive events, including international or national matches that typically draw large crowds and require long viewing distances. It also encompasses top-tier training sessions. For certain sports, the regulations set by the governing body may supersede the standard values outlined here.

CLASS II — Intermediate-level competitions, like regional or local team matches, which usually have medium-sized audiences and average viewing distances. High-level training sessions are also included in this class.

CLASS III — Low-level competitions, such as games between local or small teams, which generally do not have spectators. It also includes general training, physical education (including school sports events), and recreational activities.

Level of competition

	CLASS I	CLASS II	CLASS III
International/ National	●		
Regional	●	●	
Local	●	●	●
Training		●	●
Recreational			●

A variety of light distribution options can precisely match the illuminance standards and light distribution ranges of different-level courts. An excellent light distribution design enables precise control of light projection angles, avoiding over-brightness-induced energy waste and poor sports experience caused by dark areas.

EN12193 Requirements

		Class I	Class II	Class III
Horizontal illuminance	Em (lx)	500	200	75
	Emin/Em	0.7	0.6	0.5
GR		55	55	55
Ra		70	60	60

SP04 features professional light distribution solutions, including symmetrical narrow beam angles and wide asymmetric beam angles (max. 54°), suitable for diverse application scenarios.

Professional sports stadiums:

Its symmetrical narrow-beam angle lighting solution is ideal for large stadiums, as it can fully meet the stringent lighting requirements of high-standard competitions, such as UEFA, FIFA.

LED3737 optics



Symmetrical 10° F04011X | Symmetrical 14.4° F04015X | Asymmetrical intense 9.5° F04002X

LED5050 optics



Symmetrical 22° F04022Z | Symmetrical 30° F04003Z | Symmetrical 45° F04004Z | Symmetrical 60° F04006Z



Small-scale sports fields:

In contrast, the asymmetrical beam angle is highly compatible with Class II and Class III small-scale sports fields configured with 4 or 6 light poles, and can precisely satisfy their lighting needs for amateur events and daily fitness activities.

LED3737 optics



Asymmetrical intense 50°
F04001X



Asymmetrical intense 54°
F04013X



Asymmetrical intense 54°
F04014X

LED5050 optics



Asymmetrical intense 45°
F04001Z





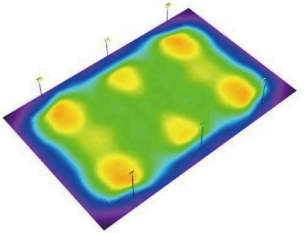


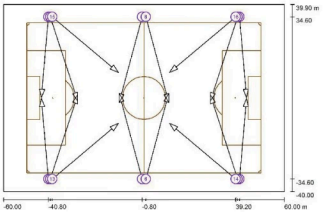
Optical System

Small-scale Sports Field



Poles	6×18m		
Floodlight	12×SP04 1200W 5700K F04013-L39 04×SP04 1200W 5700K F04014-L39		
System Power	19.2KW		
Eh ave	>200lux		
Emin/Eave	0.73	GR Max	42
Emin/Emax	0.53	ULR	0.0%
Ra	70	MF	0.8

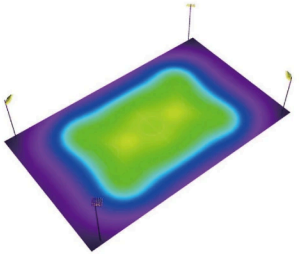


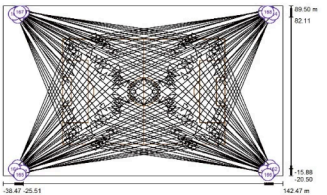


Professional Sports Stadium



Poles	4×40m		
Floodlight	36×SP04 1200W 5000K F04003Z-L130 132×SP04 1200W 5000K F04002-L130		
System Power	201.6KW		
Eh ave	>1200lux		
Emin/Eave	0.79	GR Max	49
Emin/Emax	0.66	ULR	2.5%
Ra	80	MF	0.8



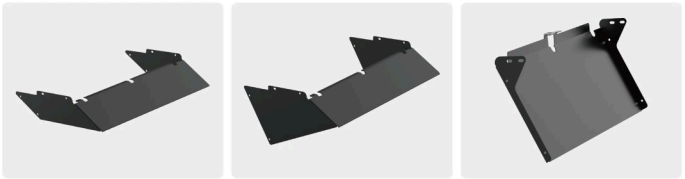


Low Glare, Lighting Trespass Solution, Meeting AS/NZS 4282 Standards

Traditional floodlights increase light pollution, which can have adverse effects on the environment, neighboring areas, and air traffic.



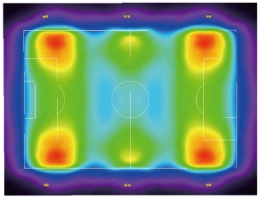
The SP04 features various shade options that minimize upward light pollution and light intrusion into residential areas from behind the pole, resulting in a more environmentally friendly lighting solution.



SP04 with visor

Football Field: 105×68m



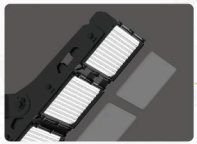


AS/NZS 4282:2019 - Control of the obtrusive effects of outdoor lighting , A3 – Medium District Brightness, Non-Curfew L1

Eh (lux) (>200lux)	Emin/Eave (>0.6)	Emin/Emax	ULR	GR (<50)	Ev-50m from the sidelines (<10lux)	Ev-50m from the goal lines (<10lux)	Lv-50m from the sidelines (<12500cd)	Lv-50m from the goal lines (<12500cd)
Poles	12pcs×16m×6poles							
Floodlight	4×SP04-1500-5770-F04013X-L79-L169-L175				8×SP04-1200-5770-F04013X-L84-L174-L175			
203	0.7	0.43	0.00%	47	3.93lnx	2.87lnx	9050cd	6324cd
					Pass	Pass	Pass	Pass



Superior Performance & Durability



Front-mounted tempered glass protects PC lens from yellowing.



Up to 150lm/w, High Luminous Efficiency, Low power consumption, Environment friendly



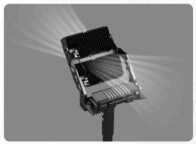


20KV SPD protection in extreme weather.



Low-copper die-cast aluminum EN 44300 with anti-corrosion treatment.

Flexible Installation & Hassle-free Maintenance

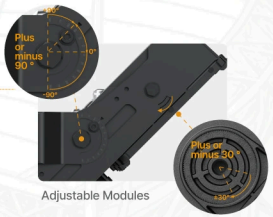


Small windward area (0.03 for 1800W at 0°), low wind resistance, reduced shaking/tilting risk.



Magnetic sight simplifies the installation and alignment process.





Adjustable Modules



Compact structure: 1200W (fully replace 2000W HID/MH) only 18.8kg, reducing the pole overall loading weight.



Driver box with buckle design: Tool-free opening and easy maintenance on-site.

KIRITO

ADDITIONAL PRODUCT SPECIFICATIONS

Series Code	SP04
Power	400W, 500W, 600W, 800W, 1000W, 1200W, 1500W, 1800W
Efficacy	145lm/W, 160lm/W
Input Voltage	200-480VAC, 50 / 60 Hz
Power Factor	>0.95
CCT	3000K, 4000K, 5000K, or 5700K
CRI(Ra)	70, 80
Control	0-10V, DALI D4i, DMX
Corrosion Class	C4
IP Rating	IP66
IK Rating	IK08
Mounting Option	Bracket Mounting
Warranty	5 Years
Surge Protection	L-N: 10KV, L/N-E: 20KV
Operating Temperature	-30°C to + 40°C

The SP04 G2.5 is a modular lighting system designed for medium and large stadiums, offering a lumen output ranging from 54,000lm to 290,000lm. Its diverse optical configurations meet a wide range of requirements, from community recreational fields to professional FIFA and UEFA standards. Optional visors effectively reduce light pollution and spill light in surrounding residential areas. Constructed from low-copper die-cast aluminum conforming to EN4430 standards, the fixture achieves a C4 rating for corrosion resistance and durability in harsh environments. Multiple driver mounting options and driver box with buckle design make it easy for maintenance.

PRODUCT VIEWS



VIEW 1



VIEW 2



VIEW 3



VIEW 4

PRODUCT VIEWS



VIEW 5