KIRITO



SP11 PADEL

Better Uniformity / Low Glare / Fewer Luminaires

The first light designed for Padel courts

- 170 lm/w
- IP66
- IK10
- 20KV
- C4 Anti-corrosion

PADEL

Padel is one of the fastest-growing sports globally, also known as padel tennis. It has gained popularity in over 90 countries and regions worldwide. Padel is a racquet sport that combines elements from tennis, squash, and badminton. It originated in Mexico and has become highly popular in Spain and Latin American countries. It has also experienced rapid growth in Europe, Asia, and Australia.



Since the year 2000, the number of Padel player worldwide has increased by 900%, with over 25 million active players.

There is a significant market potential for luminaires focused on small standardized Padel courts.

Excellent visibility

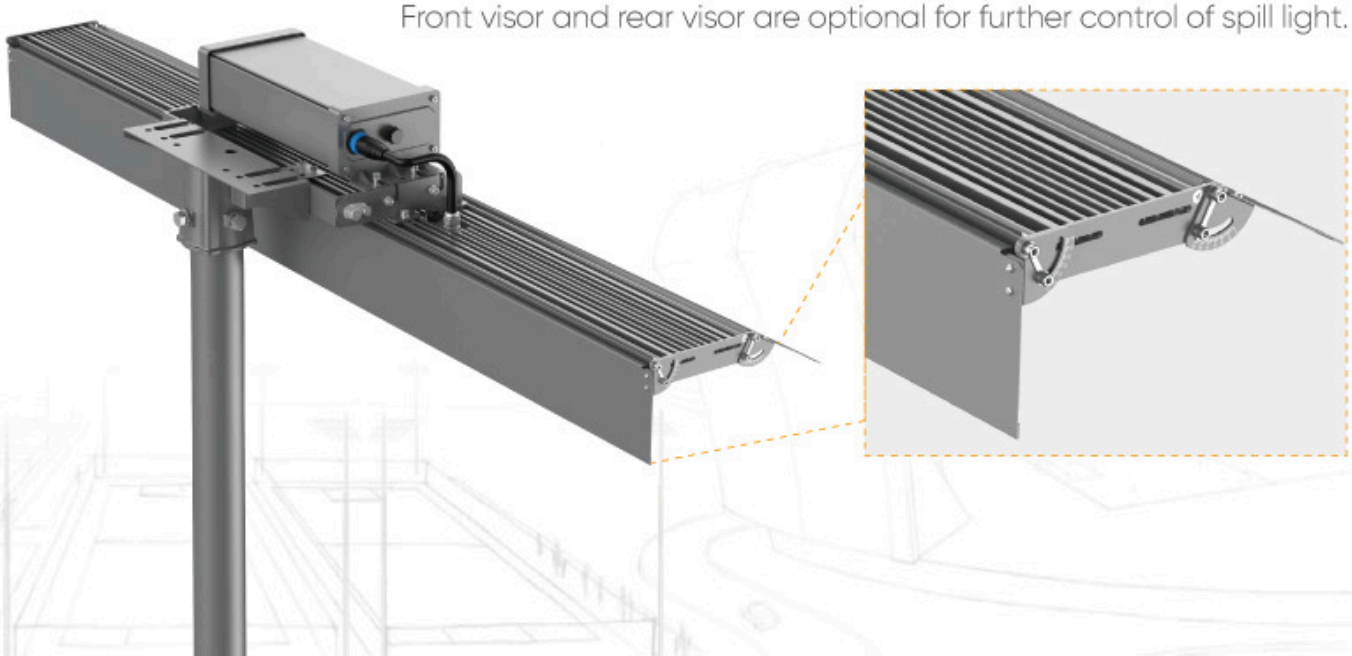
Padel tennis is a high-speed sport. It is crucial to ensure the best lighting levels on the balls and low glare to players.



Now in the market, most padel courts use normal LED luminaries. It uses more luminaires with higher energy costs and produces higher glare but not good lighting uniformity. Linear shaped SP11 has a large luminous surface for better lighting uniformity and visual comfort, which is a milestone for the padel court lighting.

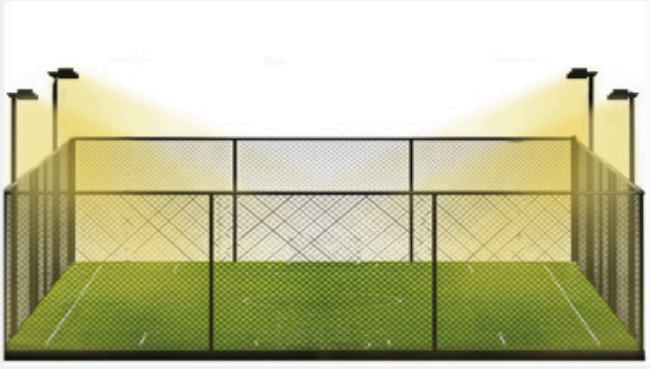


Front visor and rear visor are optional for further control of spill light.



Mounting cost minimization

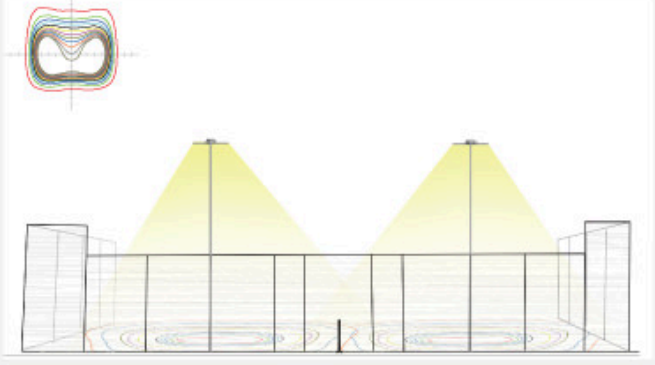
Four **SP11 padel lights** are sufficient to cover one padel court, saving on both lighting fixtures and installation costs.





The lighting fixtures and driver boxes are equipped with quick-connect terminals, making maintenance convenient.

With advanced asymmetrical intense 40.5° optics, the lighting fixture can be horizontally installed without any complex adjustment. It provides exceptional illumination and also saves mounting costs.

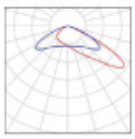
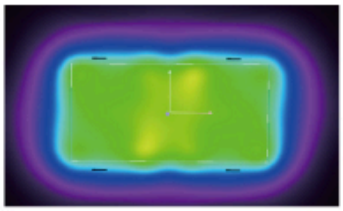
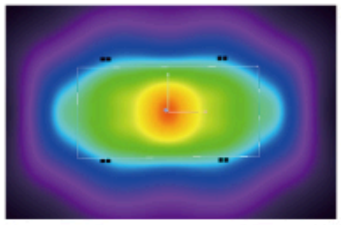


European Standard for Padel Court, EN 12193:2008:

Lighting class	Horizontal illuminance		
	Illuminance(lux)		Uniformity
	OUTDOOR	INDOOR(*)	
I	500	750	0.7
II	300	500	0.7
III	200	300	0.5

Lighting calculation comparison

4 pcs LED floodlights could be mounted on a padel court instead of 8.

KIRITO SP11		Other competitor	
			
Luminous flux (Luminaire)	52000 lm	Luminous flux (Luminaire)	36644 lm
Luminaire Wattage	320 W	Luminaire Wattage	240 W
Ra	Ra70	Ra	Ra70
Color temperature	5000K	Color temperature	5000K
Qty being used	4pcs	Qty being used	8pcs
SP11 simulation diagram		Simulation diagram of other luminaire	
Eave	502lux	Eave	5091lux
U0	0.8	U0	0.52
GR max	41	GR max	44

To meet 500 Lux illuminance and 0.7 uniformity lighting standard, 8pcs 240W LED projectors must be used. But when adapting KIRITO SP11 padel light, 4pcs 320W can obtain the same lighting performance. Each pole uses one luminaire, which can save 30% energy and save the installation cost as well.

High replicability

Padel court comes with a very standard size, which means that you can easily copy projects one by one. You do not need take much time to do the lighting calculation or adjust the luminaire to the right angle when mounting.



4pcs SP11-320 for 500lux



4pcs SP11-240 for 300lux

ADDITIONAL PRODUCT SPECIFICATIONS

Series Code	SP11
Power	240W, 320W
Efficacy	170lm/W
Input Voltage	120-240 VAC, 50 / 60 Hz
Power Factor	>0.95
CCT	3000K, 4000K, 5000K, 5700K
CRI(Ra)	70, 80
Control	DALI, Dimmable
IP Rating	IP66
IK Rating	IK10
Mounting Option	Bracket Mounting, Pole Mounting
Warranty	5 Years
Surge Protection	20KV line-earth
Operating Temperature	-30°C to + 50°C

SP11 is an innovative linear sports light, typically designed for outdoor and indoor padel courts. Its long shape and large luminous surface contribute to uniform light output. Multiple installation ways satisfy different applications. Typically designed for padel courts Long shape well fit the field size, less luminaires for same lighting performance Large luminous surface for uniform light output Light shield optional Multiple installation ways optional Applications: Padel courts, Recreational sports fields , Tennis courts, Warehouse

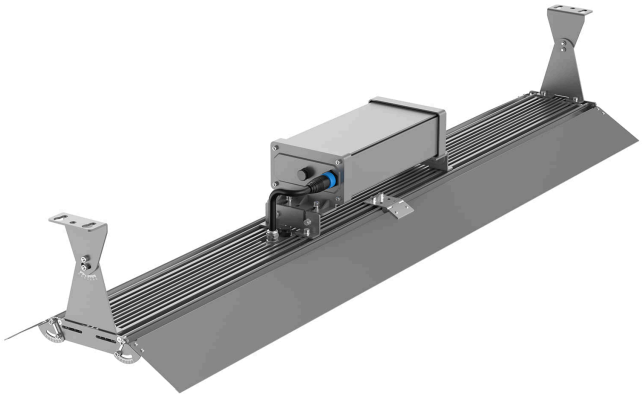
PRODUCT VIEWS



VIEW 1



VIEW 2



VIEW 3



VIEW 4

PRODUCT VIEWS



VIEW 5