

The logo features a stylized yellow 'X' icon composed of a grid of dots, followed by the word 'PLAYLED' in a bold, yellow, sans-serif typeface.

PLAYLED

B I G

The ideal lighting
for sports facilities

REQUIREMENTS FOR ARTIFICIAL LIGHTING OF SPORT FACILITIES. UNI EN 12193:2019

The main goal of installing a lighting system in a sports facility is to **meet specific standards related to the type of activity being performed**. However, the factors to consider are multiple, such as the speed of the action, the viewing distance, as well as the type of structure and the capacity of the space reserved for spectators; whether it's a playing or training field.

In order to standardize and provide each environment with the appropriate lighting, **three distinct classes** have been defined based on the required level of competition. Each class specifies the reference values for illuminance, uniformity, and glare that should be considered during the design phase for each sport.

LEVEL OF COMPETITION	CLASS I	CLASS II	CLASS III
International / national	•		
Regional	•	•	
Local	•	•	•
Allenamento		•	•
Ricreational			•
	National and international competitions, with television broadcasts, typically involving a large number of spectators with potentially high viewing distances.	Regional or local club competitions, involving a moderate number of spectators with average viewing distances. Medium and high-level training included.	Local or youth competitions, which typically do not involve spectators. Amateur and recreational training also fall under this category.



*** The individual sports federations, in addition to the holders of television rights, may require complementary or additional requirements necessary for the approval of the facility.

*** This brochure serves as a guide in the field of sports lighting and **is not intended to replace the lighting design calculations**, which should always be referenced. In any case, you can request advice from your local agency.



The **BIG HP** floodlight family is the result of the most advanced technological research and **Made in Italy** production. Created to provide efficient lighting in large sports, commercial, industrial, and urban environments, it is enriched with the HP version: the highest efficiency and the usual reliability of all **BIG HP** projectors, with the highest lumen/watt performance in its category. It is available in over **1856 variants** to meet every lighting requirement of the space to be illuminated.

BIG HP



BIG ARENA



TECHNICAL FEATURES	
APPLICATION	MOUNTED
IP	66
IK	09
lm OUTPUT	11000 / 58000 lm
FLUX MAINTENANCE	90% 100.000h (L90B10)
CCT	3000K / 4000K / 5500K
CRI	> 80 Ra
SYMMETRIC OPTIC	15° / 30° / 60° / 90° / 130°
ASYMMETRIC OPTIC	150X75/ 43X50/ 156X68/ C50/ D55
CONSUMPTION	65W / 300W
POWER SUPPLY	230V ac
DIMMABLE	DALI / DMX / 1-10V

TECHNICAL FEATURES	
APPLICATION	MOUNTED
IP	66
IK	09
lm OUTPUT	65000 / 330000 lm
FLUX MAINTENANCE	90% 100.000h (L90B10)
CCT	3000K / 4000K / 5500K
CRI	> 80 Ra
SYMMETRIC OPTIC	20° / 40° / 60°
ASYMMETRIC OPTIC	D65
CONSUMPTION	350W / 1500W
POWER SUPPLY	230V ac
DIMMABLE	DALI / DMX / 1-10V

METAL HALIDE RELAMPING

250W
METAL HALIDE

BIG HP 31000
120W

400W
METAL HALIDE

BIG HP 37000
185W

1000W
METAL HALIDE

BIG ARENA 99000
450W

2000W
METAL HALIDE

BIG ARENA 198000
900W

CONTROLLED LIGHT FLOW

RG=0
ETHR

NO
FLIKER

FULL
CUT-OFF

PRODUCT PLUS

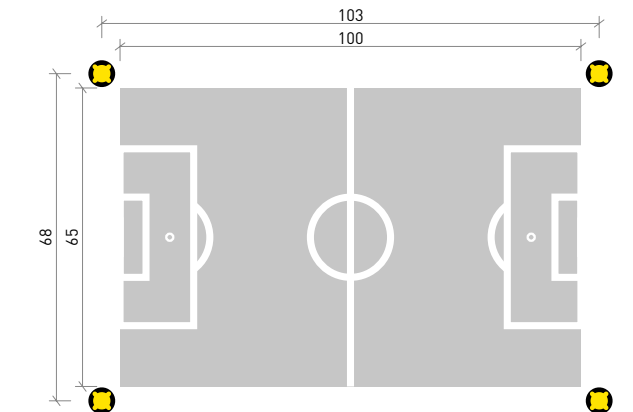
SUITABLE FOR APPROVED SPORT FACILITIES

Lighting regulations and requirements.
Compliant with the highest quality standards
required by F.I.G.C. - F.I.T. - F.I.N. - F.I.P.

10KV

OVERVOLTAGE PROTECTION

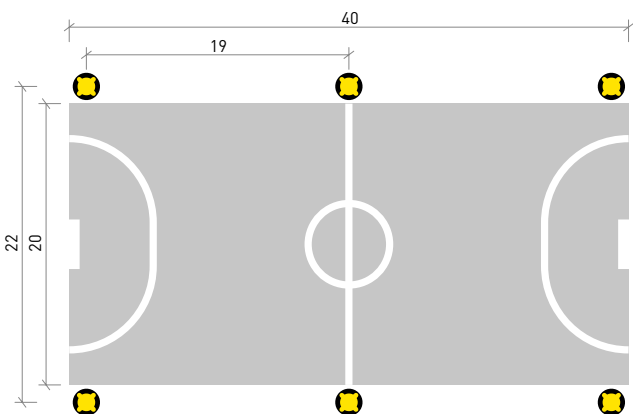
Equipped with a surge protector, in
compliance with the IEC 61643-11:2011
STANDARD, CLASS III and CLASS II.



OUTDOOR SOCCER

		CLASS I	CLASS II	CLASS III
UNI EN 12193:2018	E_{avg}	> 500 lx	> 200 lx	> 75 lx
	U_0	> 0,7	> 0,6	> 0,5

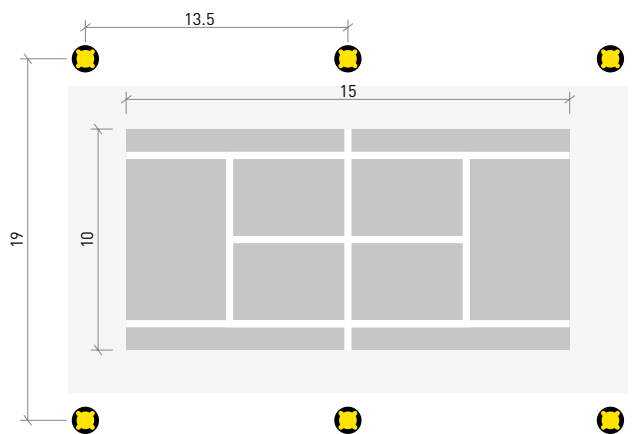
	BIG ARENA 242000	BIG ARENA 156000	BIG ARENA 156000
Average flow	220.000 lm	140.000 lm	140.000 lm
Consumption	1.100 W	700 W	700 W
Qty	20 + 16	20 + 12	12 + 8
Optic	20° + 40°	20° + 40°	20° + 40°
Total. Consum.	39.6 kW	35.2 kW	14 kW
Install. height	35m	30m	20m



OUTDOOR FUSTAL

		CLASS I	CLASS II	CLASS III
UNI EN 12193:2018	E_{avg}	> 500 lx	> 200 lx	> 75 lx
	U_0	> 0,7	> 0,6	> 0,5

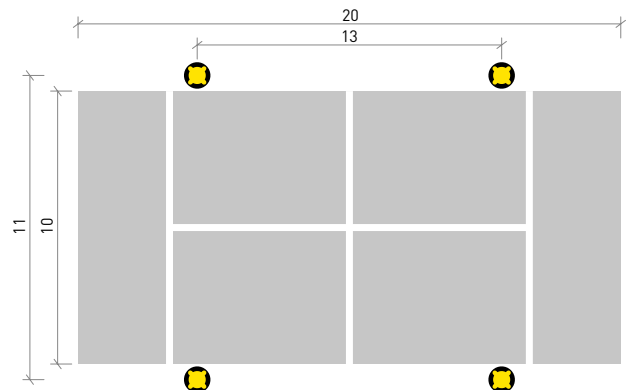
	BIG HP 48000	BIG HP 44000	BIG HP 31000	BIG HP 31000
Average flow	46.000 lm	42.000 lm	23.000 lm	23.000 lm
Consumption	240 W	220 W	120 W	120 W
Qty	24	24	24	18
Optic	60°	60°	60°	60°
Total. Consum.	5.76 kW	5.28 kW	2.4 kW	2.16 kW
Install. height	15m	12m	12m	8m



OUTDOOR TENNIS

		CLASS I	CLASS II	CLASS III
UNI EN 12193:2018	E_{avg}	> 500 lx	> 300 lx	> 200 lx
	U_0	> 0,7	> 0,7	> 0,6

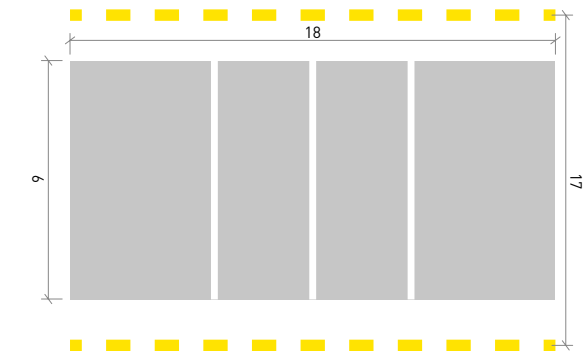
	BIG HP 48000	BIG HP 44000	BIG HP 44000
Average flow	46.000 lm	42.000 lm	42.000 lm
Consumption	240 W	220 W	220 W
Qty	16	12	6
Optic	D55	D55	D55
Total. Consum.	3.84 kW	2.64 kW	1.32 kW
Install. height	10m	10m	8m



OUTDOOR PADEL

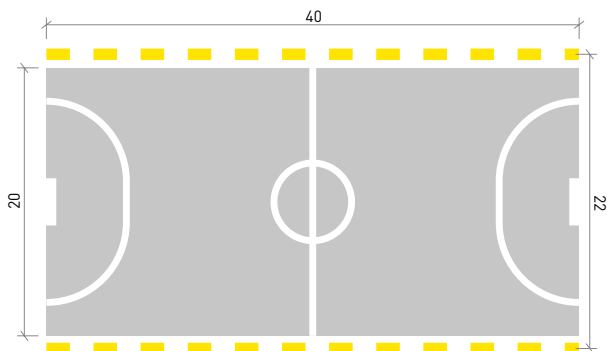
		CLASS I	CLASS II	CLASS III
UNI EN 12193:2018	E_{avg}	> 500 lx	> 300 lx	> 200 lx
	U_0	> 0,7	> 0,7	> 0,6

	BIG HP 44000	BIG HP 33000	BIG HP 31000
Average flow	42.000 lm	28.000 lm	23.000 lm
Consumption	220 W	165 W	120 W
Qty	8	8	8
Optic	D55	D55	D55
Total. Consum.	1.76 kW	1.32 kW	0.96 kW
Install. height	7m	7m	7m



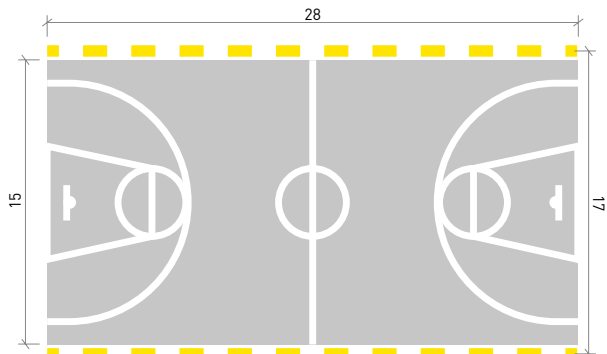
INDOOR VOLLEY

		CLASS I	CLASS II	CLASS III	
UNI EN 12193:2018	E_{avg}	> 750 lx	> 500 lx	>300 lx	
	U_0	> 0,7	> 0,7	> 0,5	
					
		BIG ARENA 78000	BIG HP 54000	BIG HP 48000	
Average flow		67.000 lm	52.000	46.000 lm	
Consumption		350 W	270 W	240 W	
Qty		16	22	16	14
Optic		D65	D55	D55	D55
Total. Consum.		5.6 kW	5.94 kW	3.84 kW	3.36 kW
Install. height		15m	12m	12m	8m



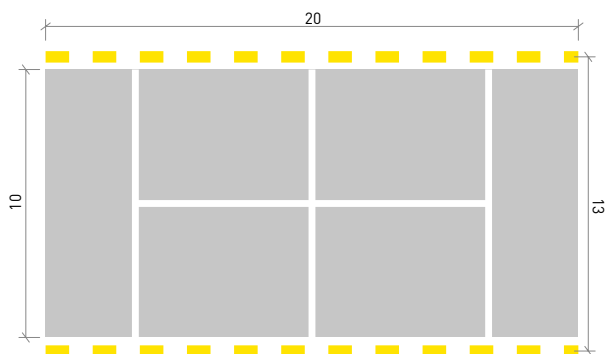
INDOOR FUSTAL

		CLASS I	CLASS II	CLASS III	
UNI EN 12193:2018	E_{avg}	> 750 lx	> 500 lx	>200 lx	
	U_0	> 0,7	> 0,7	> 0,5	
					
		BIG ARENA 78000		BIG HP 54000	
Average flow		67.000 lm		52.000 lm	
Consumption		350 W		270 W	
Qty		24	20	20	18
Optic		D65	D65	D55	D55
Total. Consum.		8.4 kW	7 kW	5.4 kW	4.86 kW
Install. height		15m	12m	12m	8m



BASKET INDOOR

		CLASS I	CLASS II	CLASS III	
UNI EN 12193:2018	E_{avg}	> 750 lx	> 500 lx	>300 lx	
	U_0	> 0,7	> 0,7	> 0,5	
					
		BIG ARENA 78000	BIG HP 54000	BIG HP 48000	
Average flow		67.000 lm	52.000	46.000 lm	
Consumption		350 W	270 W	240 W	
Qty		16	26	16	14
Optic		D65	D55	D55	D55
Total. Consum.		5.6 KW	7 KW	3.84 KW	3.36 KW
Install. height		15m	12m	12m	8m



INDOOR PADEL

		CLASS I	CLASS II	CLASS III	
UNI EN 12193:2018	E_{avg}	> 750 lx	> 500 lx	>300 lx	
	U_0	> 0,7	> 0,7	> 0,5	
					
		BIG HP 44000		BIG HP 44000	
Average flow		42.000 lm		28.000 lm	
Consumption		220 W		165 W	
Qty		12		8	
Optic		D55		D55	
Total. Consum.		2.64 KW		1.76 KW	
Install. height		7m		7m	



 PLAYLED

PLAYLED IS A BRAND OF **INGEGNERIE MECCANICHE ITALIANE S.R.L.**

ITALIAN MANUFACTURERS OF LIGHTING PRODUCTS