



Flood HO

HIGHLY ENERGY EFFICIENT, AFFORDABLE
SPORTS FIELD LIGHTING

Perfect illumination in accordance with the
standard for optimal sporting performance



DO YOU NEED
**ENERGY EFFICIENT LED-LIGHTING
FOR YOUR SPORTS FIELD(S)**

FOR OPTIMAL SPORTING PERFORMANCE?

CHOOSE
OPPLE Flood HO

OPPLE has put together a practical range of modular units specifically for illuminating sports fields. The solutions offered by OPPLE are tailored to the sport (hockey, tennis, football, etc.), the size of the field or fields, the corresponding standard (class II, i.e. competition, or class III, i.e. training) and the number of posts available per field. Based on OPPLE's lighting calculation, you know exactly which modules are required to facilitate your sports field lighting; affordable, effective and perfect illumination at all times, in accordance with the standard.



OPPLE Flood HO LED-lighting

- Energy savings of up to 60% compared to conventional sports field lighting
- Even greater energy savings are possible if you use the 1 - 10 V dimming function
- Maintenance-free, no need to change lamps
- Meets the required standards for sports field lighting (class II/III NEN-EN 12193:2017)
- Fully impact-resistant (IK08), protected against dust and moisture (IP66)
- Practical and easy to install thanks to the IP66 connector (included in the set)
- Modular design for maximum flexibility
- Immediately 100% light output when powered up and can be switched on again after switching off immediately.



CHOOSE OPPLE FLOOD HO

Practical, simple and quick to install

OPPLE offers LED lighting modules specifically for sports facilities. Depending on functionality and the required standard, at least 4 LED modules are required per field. This means that only 1 module has to be installed per pole. If the field or facility is larger, you should choose a double LED module or the 4-LED-module unit in order to generate the desired light output. Special brackets are available for assembling the individual modules (up to a maximum of 4 modules) to create a larger unit. The (composite) modules significantly simplify and speed up the installation of the LED lighting system.



CONFIGURE THE NUMBER OF LED MODULES

FOR YOUR FIELD



■ 1 module, 310W



■ 2 modules, 620W



■ 4 modules, 1240W

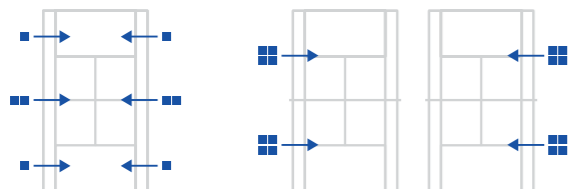
Specific standards have been constructed for sports field lighting. These standards specify the required light intensity per sport. Furthermore, the standards that apply in the case of a training field are generally less stringent than those for a competition field. The examples on the next page indicate how many Flood HO LED modules are required for a class II (competition) or class III (training) sports field. The tables indicate the standards for light intensity,

uniformity and colour rendering. This information is based on standardised situations. Note: each sports field is different in practice. The customer can identify how many posts are available and how many LED modules are required in order to satisfy the relevant standard. Depending on the function (class), the customer can decide whether the 310 W, 620 W or 1240 W LED luminaire is needed.

EXAMPLE Configurations

TENNIS

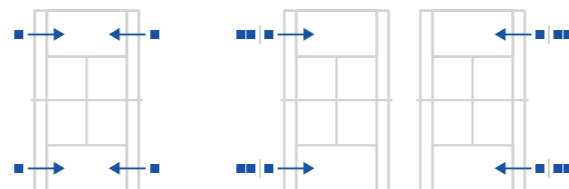
CLASS II



COMPETITION
SINGLE FIELD
4 X 1X 310W
2 X 1X 620W
POLE HEIGHT: 8M

COMPETITION
DOUBLE FIELD
4 X 1240W
POLE HEIGHT: 11M

CLASS III



TRAINING
SINGLE FIELD
4 X 310W
POLE HEIGHT: 8M

TRAINING
DOUBLE FIELD
4 X 310W + 620W
POLE HEIGHT: 11M

EN 12193-STANDARD FOR A TENNIS COURT

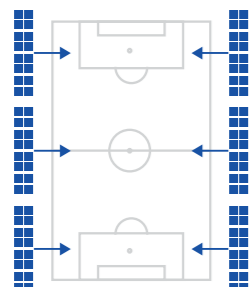
	class II	class III
Average light intensity	300 lx	200 lx
Light homogeneity	0.7	0.6
Colour rendering	60	20

HOW TO READ THE TABLES?

The table describes the requirements of the EN12193 standard for each sports field in terms of light intensity and colour rendering. For example, a football pitch for competition use (class II) requires a minimum of 200 lux on average, with a homogeneity of 0.6 and colour rendering of at least 60. A training field (class III) requires uniform light distribution at 75 lux as a minimum and colour rendering of at least 60.

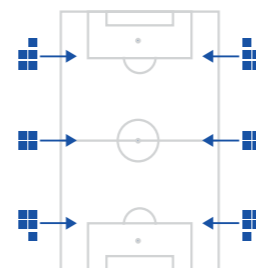
SOCCER

CLASS II



COMPETITION
PLAYING FIELD
4 X 4X 1240W
2 X 3X 1240W
POLE HEIGHT: 18M

CLASS III



TRAINING
PLAYING FIELD
4 X 1 X 1240W
+ 1 X 310W
2 X 1 X 1240W
POLE HEIGHT: 21M

EN 12193 STANDARD FOR A SOCCER PITCH

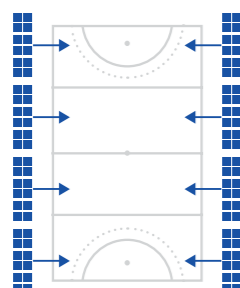
	class II	class III
Average light intensity	200 lx	75 lx
Light homogeneity	0.6	0.5
Colour rendering	60	20

HOW MANY LED-MODULES DO YOU NEED?

These examples are based on the standards for football pitches, hockey pitches and tennis courts. Obviously, other field sports can also be illuminated with OPPL's Flood HO sports field lighting system. Our service desk can tell you exactly which lighting standard applies to each specific type of sports field. Feel free to contact one of our advisers in order to specify the LED lighting package you require.

HOCKEY

CLASS II



HOCKEY
PLAYING FIELD
8 X 3X 1240W
POLE HEIGHT: 18M

The calculations are indicative and not binding in any way. Please contact us for a calculation tailored to your exact situation.

EN 12193 STANDARD FOR A HOCKEY PITCH

	class II	class III
Average light intensity	250 lx	200 lx
Light homogeneity	0.7	0.7
Colour rendering	60	20

Call us on our service number: +31 88 056 7888. We look forward to assisting you.





■ 1 module, 310W

Item code	Item description	Equivalent (W)	Power (W)	Lumen	CCT (K)	Beam angle (°)
543017013300	LEDflood HO-310W-5700-W	HID 500W	310	40000	5700	120 ° x 30 °
543017013200	LEDflood HO-310W-5700-N	HID 500W	310	40000	5700	60 °
543017013300	LEDflood HO-310W-5700-XN	HID 500W	310	40000	5700	25 °
599000005900	LEDflood HO-SafetyCable					



■ 2 modules, 620W

Item code	Item description	Equivalent (W)	Power (W)	Lumen	CCT (K)	Beam angle (°)
543017012700	LEDflood HO-310W-5700-W	HID 1000W	620	80000	5700	120 ° x 30 °
543017012600	LEDflood HO-310W-5700-N	HID 1000W	620	80000	5700	60 °
543017012500	LEDflood HO-310W-5700-XN	HID 1000W	620	80000	5700	25 °
543098006000	LEDflood HO-MountingKit-2Mod					
599000005900	LEDflood HO-SafetyCable					



■ 4 modules, 1240W

Item code	Item description	Equivalent (W)	Power (W)	Lumen	CCT (K)	Beam angle (°)
543017012700	LEDflood HO-310W-5700-W	HID 1000W	620	80000	5700	120 ° x 30 °
543017012600	LEDflood HO-310W-5700-N	HID 1000W	620	80000	5700	60 °
543017012500	LEDflood HO-310W-5700-XN	HID 1000W	620	80000	5700	25 °
543098005800	LEDflood HO-MountingKit-4Mod					
543098005900	LEDflood HO-SafetyCable					

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The information in this brochure is subject to alteration without notice.

All specifications are available in the Download Center: visit www.opple.com

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