

Hockey pitch lighting requirements in the UK Support Hub

Guidance on floodlights for hockey pitches is provided by the sport's international governing body, the FIH, and updated every few years. These standards therefore not only cover lighting requirements for hockey in the UK but also for the sport globally.

Having floodlights which meet the correct standards is important as it helps to ensure the safety of those using the pitch, can provide a better viewing experience for the game and is more considerate of the environment and local community.

The following table provides details about the minimum floodlighting requirements for non-televised outdoor hockey as set out by the FIH:

Governing Body	Category	Eave	Emin/Eave
FIH	Class I	350 lux	0.7
	Class II	500 lux	0.7
	Development & Community Level Training	200 lux	0.6

In addition to the standards set by the FIH, European standard BS EN 12193:2018 also presents recommendations and requirements for sports lighting. For hockey, it specifies floodlight values for three categories as below:

Standard	Category	Eave	Emin/Eave
BS EN 12193:2018	I	750 lux	0.7
	II	500 lux	0.7
	III	300 lux *	0.7

**Note: England Hockey recommend a minimum of 350 lux for competition so associated clubs should aim to meet that minimum (FIH Class I) instead of the lower European standard.*

For televised hockey, the FIH provides standards for broadcast quality outdoor fixtures as follows:

Governing Body	Category	Eave	Emin/Eave
FIH	TV1	2000 lux	0.7
	TV2	1650 lux	0.7
	TV3	1000 lux	0.7

(The tables above provide only some of the key values set out in the standards. For more detailed information, the complete guidance documents from the FIH are available below in the Useful Links section.)

Hockey pitch lighting requirements in the UK

Support Hub

What do these terms mean?

Lux - the measurement of light calculated as a unit of illuminance lumens per square metre so
1 lux = 1 lumen/m²

Eave - average horizontal illuminance

Emin/Eave - calculation of illuminance uniformity

Safe and correctly-performing floodlights are not just down to product selection though. The design, planning, installation and maintenance of the lighting system play a big part. Our team of electrical experts have worked on thousands of hockey lighting projects and are available to answer any queries you may have about floodlights and to support you through each stage of your sports lighting project.

If you would like to discuss the floodlight requirements for your hockey pitch with one of our experienced team members, please [contact us](#).

To find out more about how floodlights can bring added benefits to a facility, [click here to read a case study about Ben Rhydding Hockey Club](#).

Useful Links

[FIH Facilities Design Guidance - Sports lighting for non-televised outdoor hockey](#)

[FIH Facilities Design Guidance - Sports lighting for broadcasting 11 a-side hockey, outdoors](#)

Disclaimer: The information provided in this article has been collated from the sources provided above in Useful Links. This information may be subject to change at any time by the governing bodies and standards agencies.