



Lighting a multipurpose sports hall

Sports venues designed for multi-sports should ensure that their proposed lighting considers the needs of all the various sports to be played. Care must be taken to ensure that the lighting design produces uniformity of the required illumination, is adequately lit and that glare is minimized. The lighting should be positioned, so they do not hinder the players' and officials' vision.

The specific visual requirements will depend on the activity. Most sports halls have to cater for a range of activities, and it may be necessary occasionally to accommodate different activities simultaneously in order to maximize use. It is normally necessary to design a general lighting scheme to cater for a wide range of activities and, if necessary, incorporate switching arrangements for different activities, levels of play or simultaneous multi-use.

It is generally recommended that the lighting design be based on the requirements of the activity with the highest priority, while ensuring that, as far as practicable, all other potential activities are catered for.

Source: Society of Light and Lighting UK

Multi purpose sports hall lighting recommendations

EN12193 Requirements

	Class		
	I	II	III
Horizontal Illuminance (Lux)	750	500	200
Uniformity (Min/Ave)	0.7	0.7	0.5
Ra	60	60	20

Luxtronik offers Sports hall LED lighting that emits bright, uniform illumination. Our high-quality LED luminaires are used in sports centers around the world.

Recommended Products



PANDORA (MFL)
50-600w



PANDORA (MHB)
50-400w



NEPTUNE (HB)
80-400w

For more information or project and lighting design support, please contact our team sales@luxtronik-tech.com