

Table 19.12 Lighting recommendations for tennis (outdoor)

Class	Horizontal illuminance (lx)	Illuminance uniformity	Colour rendering index	Glare rating
I	500	0.7	60	50
II	300	0.7	60	50
III	200	0.6	20	55

19.3.8 Rugby (Union and League)

Rugby involves the rapid passage of a ball combined with physical contact between players. At high levels, these sports attract large numbers of spectators, which means that attention should be paid to emergency lighting. The purpose of the general lighting is to provide uniform illumination of the whole pitch, with good modelling of players and without shadows or glare to players or spectators. This purpose can be met by a number of different approaches, from pole-mounted floodlights to continuous lines of floodlights mounted on the roofs of grandstands. If pole-mounted floodlights are used, they should be positioned so that they do not obstruct the view of spectators. If floodlights mounted on the roofs of stands are used care should be taken that shadows are not cast onto the pitch. For rugby, it is permissible to place floodlights in line with the try line. Rugby is in TV group B.

Table 19.13 Lighting recommendations for rugby (union and league)

Class	Horizontal illuminance (lx)	Illuminance uniformity	Glare rating	Colour rendering index
I	500	0.7	50	60
II	200	0.6	50	60
III	75	0.5	55	20

19.3.9 Swimming

Swimming is not a sport that requires the participants to undertake difficult visual tasks. The purpose of the lighting of swimming pools is to ensure safety and to provide a pleasant ambience. The safety requirement will be met by lighting that provides sufficient illuminance with careful control of reflections from the water surface (see Section 19.4.4). To ensure safety in the event of a power failure, safety lighting that produces 5 percent of the recommended illuminance for at least 30 seconds should be provided. Diving areas require special consideration with regard to glare and modelling. Swimming is in TV group A.

Table 19.14 Lighting recommendations for swimming in indoor and outdoor pools

Class	Horizontal illuminance (lx)	Horizontal illuminance uniformity	Colour rendering index	Horizontal/vertical illuminance ratio for diving area
I	500	0.7	60	50
II	300	0.7	60	50
III	200	0.5	20	55