

19.3.2 Bowls

Bowls requires the players to be able to see the jack, the lie of the woods around the jack and the run of a live wood. To achieve this, a high level of illuminance uniformity is necessary and glare needs to be controlled. An illuminance gradient of not more than 5 percent per metre is recommended. Bowls falls into TV group A.

For indoor bowls, the usual lighting approach is to use fluorescent luminaires mounted at least 3 m above the floor, ideally on either side of the lanes (Figure 19.3). Glare is controlled by the choice of luminaire and ensuring that the reflectances of the walls and ceiling are at least 0.4 and 0.6 respectively.



**Figure 19.3**  
For indoor bowls, the usual lighting approach is to use fluorescent luminaires mounted at least 3 m above the floor, ideally on either side of the lanes

For outdoor bowls, the usual lighting system is floodlights mounted at the corners of the green. Light should reach all parts of the green from at least two directions if good modelling is to be provided. Glare is controlled by careful selection of mounting height and aiming of floodlights.

**Table 19.3** Lighting recommendations for indoor bowls

Class	Horizontal illuminance (lx)	Illuminance uniformity	Colour rendering index
I	500	0.8	60
II	500	0.8	60
III	300	0.5	20

**Table 19.4** Lighting recommendations for outdoor bowls

Class	Horizontal illuminance (lx)	Illuminance uniformity	Colour rendering index	Glare rating
I	200	0.7	60	50
II	200	0.7	60	50
III	100	0.7	20	55