

4.3 Sports

This table contains lighting recommendations for a variety of sports. Lighting requirements may differ according to the level of competition of a sport, and therefore requirements are shown for different lighting classes. There are three lighting classes:

- Class I Top level competition that will generally involve a large amount of spectators and may involve long viewing distances
- Class II Medium level competition that will generally involve a medium amount of spectators and may involve medium viewing distances. Professional level training may also be class II.
- Class III Low level competition that will generally involve small amounts

Level of competition	Lighting Class		
	I	II	III
International or national	✓		
Regional	✓	✓	
Local	✓	✓	✓
Training		✓	✓
Recreational/education			✓

Type of area, task or activity	Class	E _{av}	R _a	U _o	GR _L
Aerobics (recreational)		200	20	0.50	
Archery (lane/target)		200/ Ev 750	60	0.5/0.8	
Athletics (indoor)					
	Class I	500	60	0.70	
	Class II	300	60	0.60	
	Class III	200	20	0.50	
Athletics (outdoor, all disciplines)					
	Class I	500	60	0.70	50
	Class II	200	60	0.50	55
	Class III	100	20	0.50	55
Badminton					
	Class I	750	60	0.70	
	Class II	500	60	0.70	
	Class III	300	20	0.70	

Type of area, task or activity	Class	E _m	R _a	U _o	GR ₁
Basketball (indoor)					
	Class I	750	60	0.70	
	Class II	500	60	0.70	
	Class III	200	20	0.50	
Basketball					
	Class I	500	60	0.70	50
	Class II	200	60	0.60	50
	Class III	75	20	0.50	55
Billiards					
	Class I	750	80	0.80	
	Class II	500	80	0.80	
	Class III	500	80	0.80	
Boccia (indoor)					
	Class I	300	60	0.70	
	Class II	200	60	0.70	
	Class III	200	20	0.50	
Boccia (outdoor)					
	Class I	200	60	0.70	50
	Class II	100	20	0.70	50
	Class III	50	20	0.50	55
Boules (indoor)					
	Class I	300	60	0.70	
	Class II	200	60	0.70	
	Class III	200	20	0.50	
Boules (outdoor)					
	Class I	200	60	0.70	50
	Class II	100	20	0.70	50
	Class III	50	20	0.50	55
10 pin/9 pin bowling					
	Lanes	200	60	0.50	
	Pins 25m lane	Ev 1000		0.80	
	Pins 50m lane	Ev 2000		0.80	
Boxing					
	Class I	2000	80	0.80	
	Class II	1000	80	0.80	
	Class III	500	60	0.50	
Climbing					
	Class I	750	60	0.70	
	Class II	500	60	0.70	
	Class III	300	20	0.50	
Cricket (infield/outfield)					
	Class I	750/500	60	0.70	50
	Class II	500/300	60	0.70	50
	Class III	300/200	20	0.70	55
Cricket nets					
	Class I	1500	60	0.80	50
	Class II	1000	60	0.80	50
	Class III	750	20	0.80	55

Type of area, task or activity	Class	E _m	R _e	U _o	GR _t
Curling (target / playing area)		300/200	0.70	0.70	
Cycling (indoor)					50
	Class I	750	60	0.70	
	Class II	500	60	0.70	
	Class III	200	20	0.50	
Cycling (outdoor)					
	Class I	500	60	0.70	50
	Class II	300	60	0.70	50
	Class III	100	20	0.50	55
Dancing					
	Class I	500	60	0.70	
	Class II	300	60	0.60	
	Class III	200	20	0.50	
Darts					
	Class I	Eh 200/Ev 750	60		
	Class II	Eh 100/Ev 500	60		
	Class III	Eh 50/Ev 300	20		
Fencing	750	60			
	Class I	Eh 750/Ev 500	60	0.70	
	Class II	Eh 500/Ev 300	60	0.70	
	Class III	Eh 300/Ev 200	20	0.70	
Football (indoor)					
	Class I	750	60	0.70	
	Class II	500	60	0.70	
	Class III	200	20	0.50	
Football (outdoor)					
	Class I	500	60	0.70	50
	Class II	200	60	0.60	50
	Class III	75	20	0.50	55
Gymnastics					
	Class I	500	60	0.70	
	Class II	300	60	0.60	
	Class III	200	20	0.50	
Handball (indoor)					
	Class I	750	60	0.70	
	Class II	500	60	0.70	
	Class III	200	20	0.50	
Handball (outdoor)					
	Class I	500	60	0.70	50
	Class II	200	60	0.60	50
	Class III	75	20	0.50	55
Hockey (indoor)					
	Class I	750	60	0.70	
	Class II	500	60	0.70	
	Class III	300	20	0.70	
Hockey (outdoor)					
	Class I	500	60	0.70	50
	Class II	200	60	0.70	50
	Class III	200	20	0.70	55

Type of area, task or activity	Class	E _m	R _o	U _o	GR _L
Ice hockey (indoor)					
	Class I	750	60	0.70	
	Class II	500	60	0.70	
	Class III	300	20	0.70	
Ice hockey (outdoor)					
	Class I	750	60	0.70	
	Class II	500	60	0.70	
	Class III	200	20	0.50	
Ice skating					
	Class I	750	60	0.70	
	Class II	500	60	0.70	
	Class III	300	20	0.70	
Judo					
	Class I	750	60	0.70	
	Class II	500	60	0.70	
	Class III	200	20	0.50	
Kendo / Karate					
	Class I	750	60	0.70	
	Class II	500	60	0.70	
	Class III	200	20	0.50	
Netball (indoor)					
	Class I	750	60	0.70	
	Class II	500	60	0.70	
	Class III	200	20	0.50	
Netball (outdoor)					
	Class I	500	60	0.70	50
	Class II	200	60	0.60	50
	Class III	75	20	0.50	55
Petanque (indoor)					
	Class I	300	60	0.70	
	Class II	200	60	0.70	
	Class III	200	20	0.50	
Petanque (outdoor)					
	Class I	200	60	0.70	50
	Class II	100	20	0.70	50
	Class III	50	20	0.50	55
Racketball					
	Class I	750	60	0.70	
	Class II	500	60	0.70	
	Class III	300	20	0.70	
Roller skating					
	Class I	500	60	0.70	
	Class II	300	60	0.60	
	Class III	200	20	0.50	
School sports					
	Class I	750	60	0.70	
	Class II	500	60	0.70	
	Class III	200	20	0.50	

Type of area, task or activity	Class	E _m	R _a	U _o	GR _t
Shooting (lane/target)		200/ Ev 750	60	0.5/0.8	
Snooker					
	Class I	750	80	0.80	
	Class II	500	80	0.80	
	Class III	500	80	0.80	
Speed skating					
	Class I	500	60	0.70	
	Class II	300	60	0.60	
	Class III	200	20	0.50	
Squash					
	Class I	750	60	0.70	
	Class II	500	60	0.70	
	Class III	300	20	0.70	
Swimming					
	Class I	500	60	0.70	
	Class II	300	60	0.70	
	Class III	200	20	0.50	
Table tennis					
	Class I	750	60	0.70	
	Class II	500	60	0.70	
	Class III	300	20	0.70	
Tennis (indoor)					
	Class I	750	60	0.70	
	Class II	500	60	0.70	
	Class III	300	20	0.50	
Tennis (outdoor)					
	Class I	500	60	0.70	50
	Class II	300	60	0.70	50
	Class III	200	20	0.60	55
Weight lifting					
	Class I	750	60	0.70	
	Class II	500	60	0.70	
	Class III	200	20	0.50	
Wrestling					
	Class I	750	60	0.70	
	Class II	500	60	0.70	
	Class III	200	20	0.50	