

POLICY 5.4.1 - TENNIS COURT LIGHTING STANDARDS**OBJECTIVE**

To ensure that tennis court lighting for facilities throughout the City are to the Standard specified in this policy and that an application must be received from the club using the facility to upgrade the lighting.

STATEMENT

- 1 Tennis court lighting shall be provided to all new Council funded tennis courts unless there is a community or tennis club requirement for non-illuminated courts.
- 2 Tennis courts shall be illuminated to either an Association Standard or a Recreational Standard and these standards shall be the minimum standard as detailed below:

- (a) Association Standard

Association Standard illumination shall be provided for tennis court facilities that are operated by Council for Tennis Clubs belonging to the NDTA or West Australian Lawn Tennis Association.

- (b) Recreation Standard

Recreation Standard illumination shall be provided for tennis court facilities that are constructed and operated by Council for the casual and recreational usage by either the public or clubs.

- (c) Determination of Standard

A club or users of a tennis court facility may request that the lighting be upgraded from Recreational to Association Standard based upon increase night time usage or as a requirement to enter a night time competition. All requests must be fully documented and supported by patronage figures and the requirements for night time competition. Council shall make a final decision as recommended by the Director Planning and Community Development. Funding for the upgrade, if approved, shall be subject to the allocation of expenditure in Council's Draft and Final Budget and Five Year Plan.

- 3 Illumination Standards

Council will maintain tennis court lighting installations to ensure illumination levels are as stated in Table 1 (see Appendix) in this policy as follows:

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- (a) Association Standard
 - (i) The minimum average service illuminance within the total playing area shall be 180 lux with a minimum of 150 lux at any point
 - (ii) The minimum average service illuminance within the principal playing area shall be 200 lux with a minimum of 180 lux at any point.
 - (iii) The uniformity ratios shall be in accordance with Table 1 (see Appendix), which forms part of this policy.
 - (b) Recreation Standard
 - (i) The minimum average service illuminance within the total playing area shall be 100 lux with a minimum of 80 lux at any point.
 - (ii) The minimum average service illuminance within the principal playing area shall be 125 lux with a minimum of 100 lux at any point
 - (iii) The uniformity ratios shall be in accordance with Table 1 (see Appendix), which forms part of this policy.
 - (c) Playing Areas
 - (i) The principal playing area (PPA) shall extend to 200mm beyond the marked court area.
 - (ii) The total playing area (TPA) shall extend to 6 metres beyond the baselines and 3.5 metres beyond the double lines.
- 4 Council will pay for tennis court lighting charges for tennis courts illuminated to either standard, unless prior or lease arrangements are in effect and therefore preclude this provision
- 5 If a tennis club requests an upgrade of the existing standard of lighting, then the club shall be responsible for all costs associated with the proposed upgrading beyond the standard determined for that facility. These costs include new or modified poles, luminaires, conduits, cables, fuses and switch boxes, cabinets, upgrade or modified power to the site, consulting engineering fees for investigation and design, pavement and surface reconstruction costs and all other capital costs of the installation.
- (a) The Club shall also be responsible for ongoing operating costs of the upgraded installation beyond the specified standard and shall include lamp, luminaire and control gear replacement and cleaning, wear and tear on the electrical installation and switching points, and all other maintenance costs.

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- (b) The Club shall be responsible for the additional power charges for the upgraded lighting beyond the specified standard.
 - (c) The tennis club shall apply for Council approval to increase or improve illumination levels beyond the specified standard. The application shall detail the proposed standard of lighting, reasons for requesting the change, a plan for the courts to be changed and sources of funding. The application shall be jointly considered by the Director Infrastructure and Operations and the Manager Community Development Services for a recommendation to Council.
- 6 If as a result of investigation, Council is required to upgrade an existing tennis court facility to achieve the minimum standard and the operating club requests approval to upgrade beyond this standard, Council may optionally make a contribution for the upgrading, up to the value of the works to achieve the minimum standard.
- 7 If new tennis courts are to be funded and constructed by Council and the operating club requests an illumination standard beyond that specified, then Council will accept a contribution from the club towards the construction. This contribution will be funded from sources external to Council and include all costs for the higher standard, as outlined in clause five. Construction of the non-electrical components of the courts may proceed prior to funding approvals. Installation of the electrical and lighting facilities will not proceed until the full amount of additional costs required for the higher illumination standard is provided for expenditure by Council.
- 8 Specified Standards
- Table 2 (see Appendix) attached to this policy specifies the standard illumination required for all courts within the City. Illumination standards for courts may be changed in accordance with this policy.
- 9 New Courts
- New courts added to a tennis court facility shall be illuminated to the existing standard in accordance with this policy.

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TABLE 1 - ILLUMINATION STANDARDS

STANDARD	ILLUMINANCE LEVEL lux						UNIFORMITY			
	PPA			TPA			PPA		TPA	
	Init	Maint	Abs Min	Init	Maint	Abs Min	Emin/ Eav	Emin /Emax	Emin /Eav	Emin /Emax
Association	250*	200	180	220*	180	150	0.6	0.4	0.5	0.3
Recreation	-	125	100	-	100	80	0.6	0.4	0.5	0.3

* - minimum values only - not to be used in design calculations

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Chapter Nine Table 2 - Standard of Illumination - All Tennis Courts

Court Locations	Number of Courts Illuminated		
	Specified Standard		
	Unlit	Recreation	Association
Blackboy Park, Mullaloo		2	
Camberwarra Park, Craigie		2	
Emerald Park, Edgewater		2	
Fenton Park, Hillarys		1	
Glengarry Park, Duncraig		2	
Heathridge Park, Heathridge: Ocean Ridge Tennis Club			10
James Cook Park, Hillarys		2	
Kingsley Park, Kingsley		2	
Penistone Park, Greenwood		2	
Percy Doyle Reserve, Duncraig (near library)		4	
Timberlane Park, Woodvale: Kingsley Tennis Club			12
Warwick Open Space, Warwick: Greenwood Tennis Club			12
Harbour View Park, Hillarys		2	