

SYLVANIA



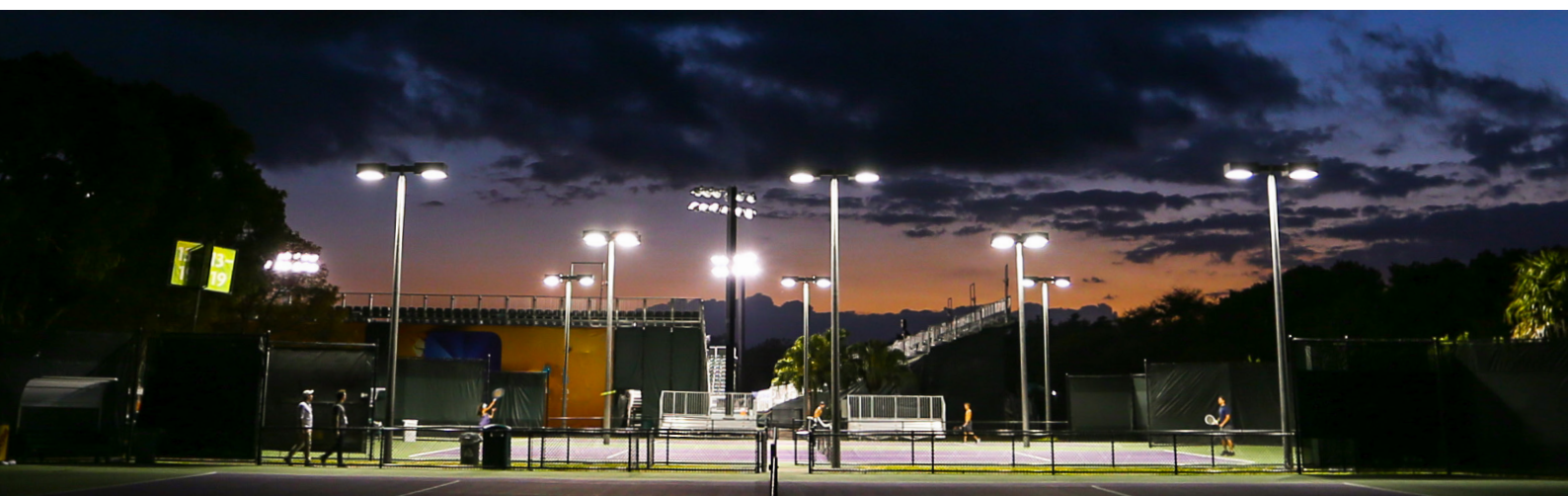
Outdoor Tennis Court LIGHTING GUIDE

Where innovation comes to light

All sporting facilities require light to ensure the sport is played and enjoyed safely by participants and spectators alike. Tennis courts are all about experience, and with night tennis becoming a major growth area within the industry illuminating the outdoor courts can provide many benefits for both the club and participants.

KEY BENEFITS INCLUDE:

- **Extending the court playing time**
- **Attracting more players and coaches, due to greater time flexibility**
- **Aid in increasing revenue through court hire**
- **Play in comfort, away from the heat and UV exposure**



LED EXPERIENCE

When it comes to installing or upgrading to an LED Tennis lighting solution, whether it be used for residential or competition, Sylvania's LED technology can offer numerous benefits compared to traditional HID lighting.

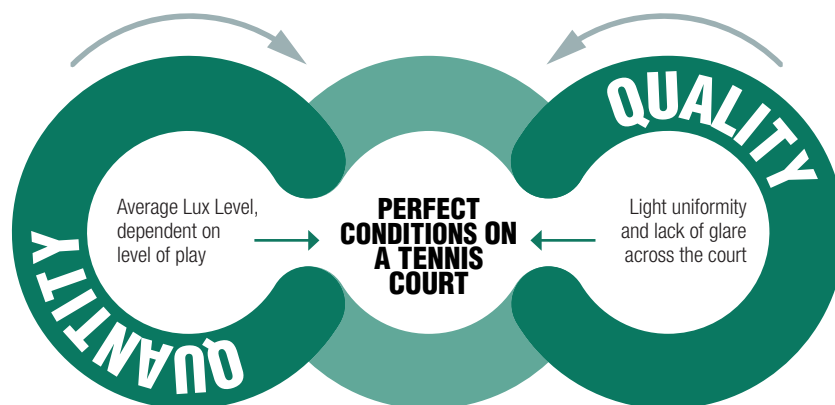
- **Longer life**
- **Lower energy consumption**
- **Instant start up (no warm up required)**
- **Years of maintenance free operation**
- **Minimal lumen reduction over life span**
- **Precision optics**
- **Improved uniformity**



OPTIMUM DESIGN

The quality and quantity of light are crucial in achieving perfect conditions on a tennis court, and are driven by the intended level of play. General guidelines recommend lower light levels for recreational play and medium levels for club competition.

SYLVANIA provide lighting design services with experienced professionals who specialise in sports lighting and the required standards and guidelines associated with this.



LIGHTING CRITERIA AS PER AS 2560.2.1 TABLE

LEVEL OF PLAY	MAINTAINED HORIZONTAL ILLUMINANCE		MINIMUM HORIZONTAL UNIFORMITIES				MAXIMUM GLARE RATING <i>GR max</i>	MINIMUM COLOUR RENDERING INDEX <i>R a min</i>
	PPA	TPA	PPA		TPA			
			<i>U_{1min}</i>	<i>U_{2min}</i>	<i>U_{1min}</i>	<i>U_{2min}</i>		
Recreational and residential	250	150	0.6	0.3	0.2	0.1	50	20
Club competition and commercial	350	250	0.6	0.4	0.3	0.2	50	65

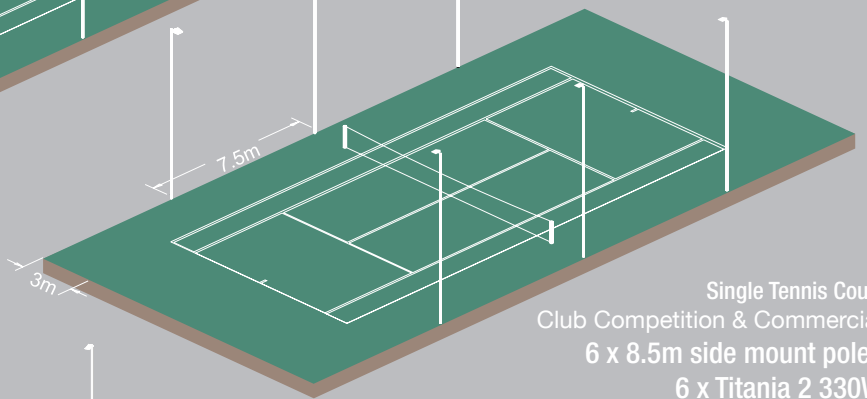
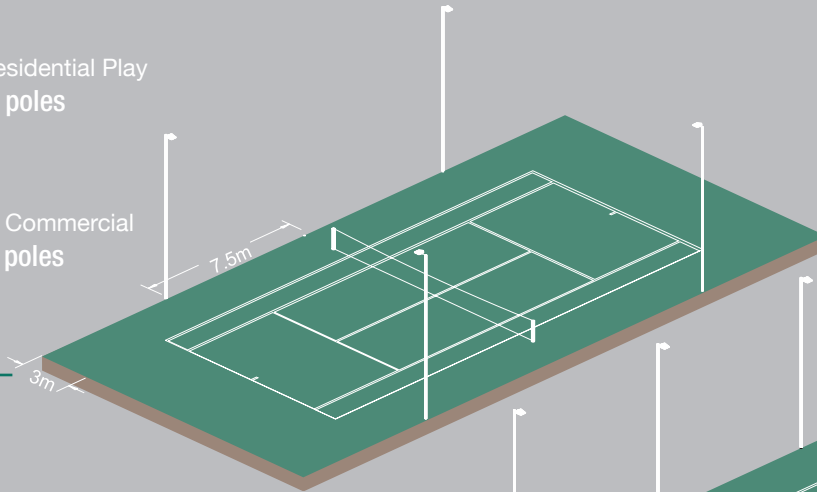
Measured at 1m above court level

TYPICAL LIGHTING DESIGN SCHEMES

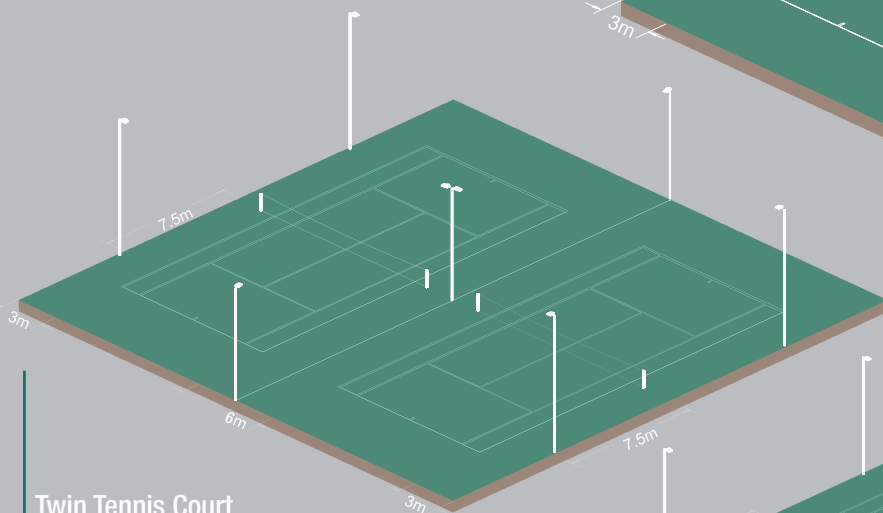
The lighting design schematics represent typical solutions based on recommended guidelines. Comprehensive solutions require obtrusive light assessment. Sylvania can provide full lighting design services on request.

Single Tennis Court
Recreational and Residential Play
4 x 8m side mount poles
4 x Titania 2 330W

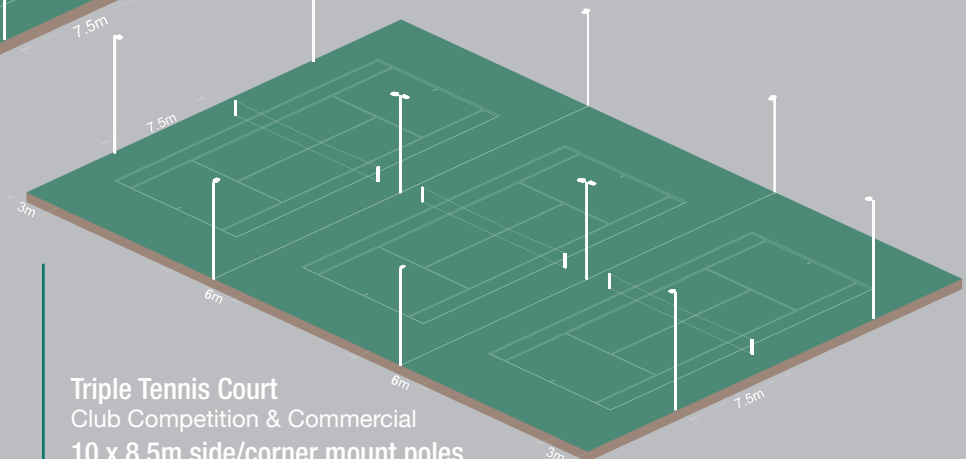
Single Tennis Court
Club Competition & Commercial
4 x 8m side mount poles
4 x Titania 2 550W



Single Tennis Court
Club Competition & Commercial
6 x 8.5m side mount poles
6 x Titania 2 330W



Twin Tennis Court
Club Competition & Commercial
7 x 8.5m side/corner mount poles
8 x Titania 2 550W



Triple Tennis Court
Club Competition & Commercial
10 x 8.5m side/corner mount poles
12 x Titania 2 550W

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Titania 2 LED Floodlight



With a stylish modern design and precise forward throw optics, the Titania 2 LED Floodlight has been exclusively designed for single and multiple tennis court lighting. The unique cut off characteristics provide excellent uniform illumination across the playing field, low glare and less spill light to increase efficiency and reduce the impact on neighbouring properties.

- Energy efficient modern LED floodlight.
- Instant start up at full brightness, with no warm up required.
- Optional back shield available for superior spill light control.
- Long life of 54,000 hours provides low maintenance.
- Unique weatherproofing with IP65 fixture and componentry.
- Die-cast aluminum coated with a UV stabilized double powder coated finish.
- High grade PMMA lens material designed for durability and efficacy.
- High lumen efficacy with up to 150 lumens per watt.
- Quality spigot mounting for ease of installation.
- Optimal reliability with 7 year warranty.
- Designed to achieve AS2560.2.1 - Lighting for outdoor tennis standards.



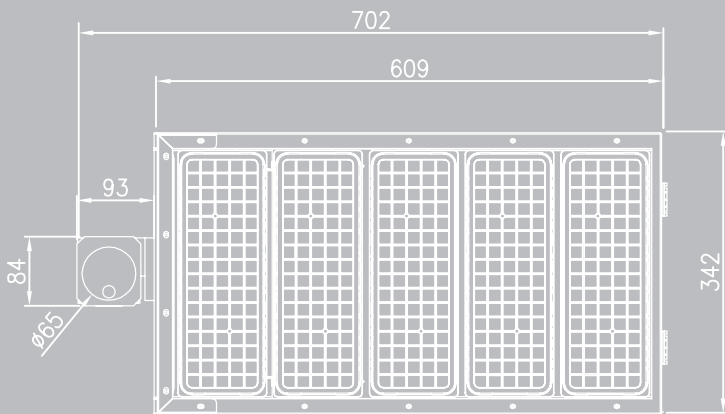
Note: Poles not included

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Titania 2 LED Floodlight

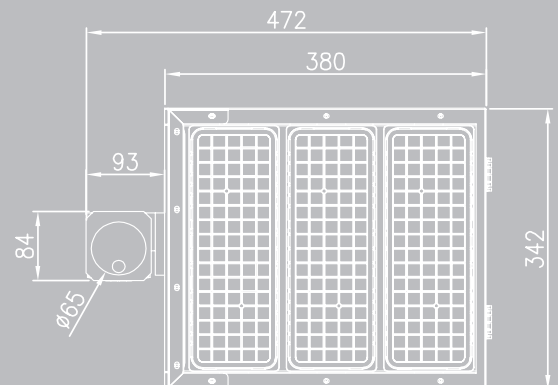
TITANIA 2 550W

PRODUCT CODE:
TITA55075-TE



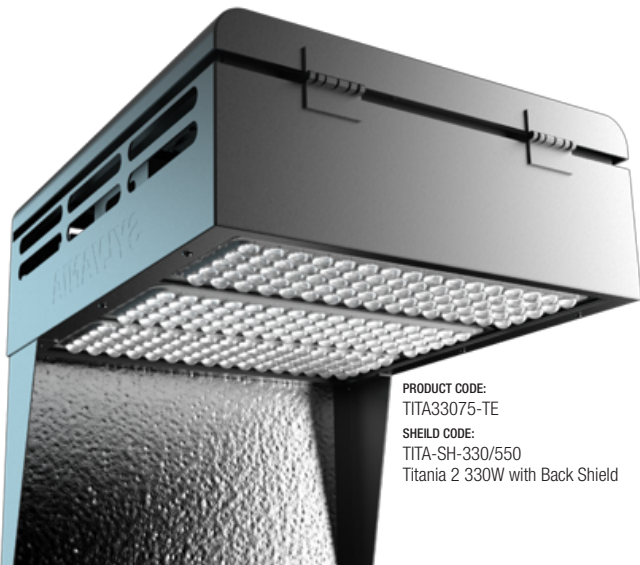
TITANIA 2 330W

PRODUCT CODE:
TITA33075-TE

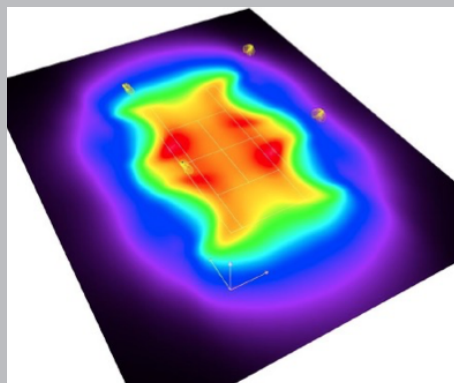


WHY USE A BACK SHIELD?

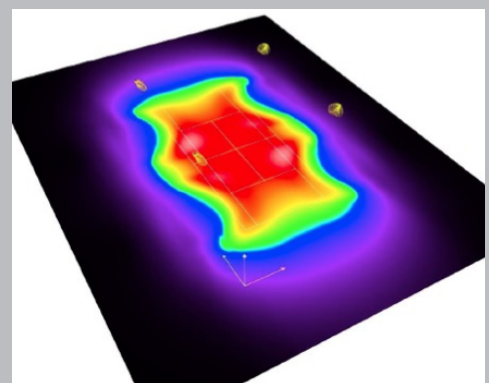
Councils have strict regulations in terms of the obtrusive effects of outdoor lighting on neighboring properties. The Titania 2 Tennis Court Light, along with the back shield can effectively control the area of illumination by blocking back spill light while also reflecting it back to the playing area, resulting in an overall improvement in uniformity.



THE EFFECTS OF HAVING A BACK SHIELD WHEN LIGHTING A TENNIS COURT:



WITHOUT BACK SHIELD



WITH BACK SHIELD

The increased red portion shows that the spill light is precisely controlled and reflected back to the playing area increasing overall uniformity.

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