



Advanced
LIGHTING TECHNOLOGIES

TENNIS COURT LIGHTING GUIDE



The Tennis Court Lighting Specialists

Advanced Lighting Technologies combines industry-leading expertise with cutting-edge technology to deliver the perfect tennis court lighting solution - from single residential courts to multi-court clubs and schools, no project is too big or small.

We partner with leading global manufacturers to source high-quality lighting products for a wide range of applications. From this extensive selection, we've carefully chosen a range specifically designed for tennis courts. These lights provide unmatched uniform illumination across the court and deliver exceptional spill-light control, keeping nearby neighbours (and the local council) happy. Backed by industry-leading warranties, they're built for lasting performance.

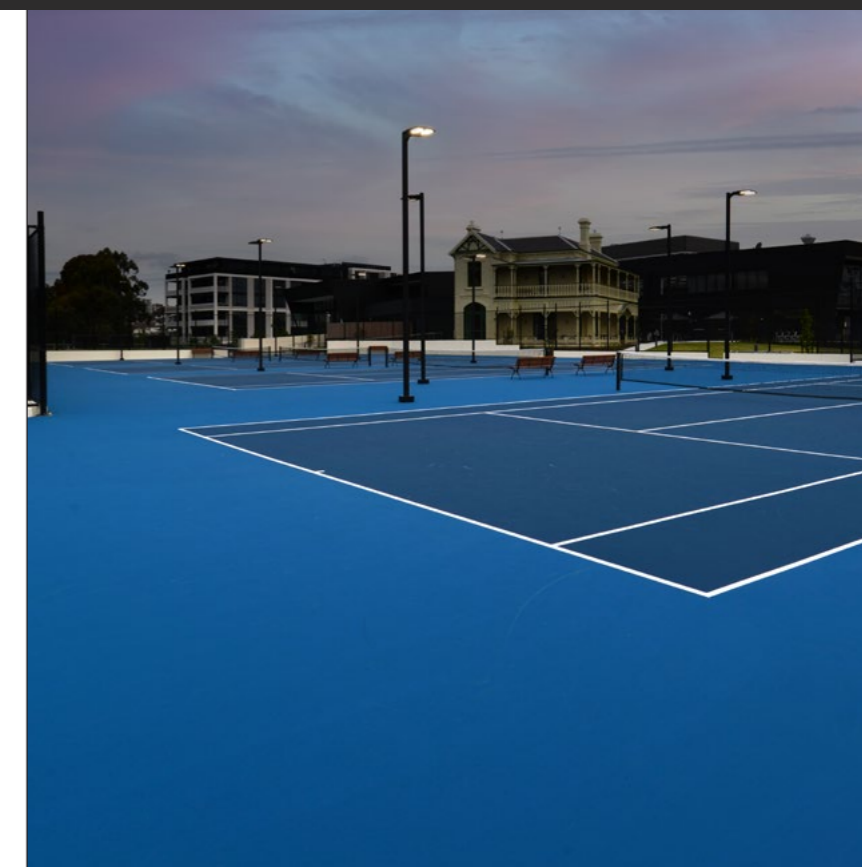
Whether upgrading existing lighting or designing a custom tennis court solution, our friendly team brings extensive industry expertise. With qualified electrical engineers, expert lighting designers, and knowledgeable customer service staff, we're here to assist with all your enquiries.

Advanced Lighting Technologies have lit up dozens of tennis courts and clubs around Australia over many years, not just during the recent rise of LED technology. In fact, we've been a leader in the lighting market for over 30 years.



Lighting for all levels of play

- 1 Single Court
- 2 Multi-Court
- 3 Clubs, Schools & Local Councils



Choosing the right light

Successful tennis court lighting begins with good design. The main factors to be considered in the design process are **quantity of light** and **quality of light**.

Our tennis court lighting range features precision optics that deliver superior light distribution, achieving excellent uniformity and consistent brightness across the court, reducing bright spots and shadows.

Our tennis court lighting experts can also provide an AS/NZS 4282:2019 compliant lighting design (additional fees apply), which can help to keep the neighbours and the local council happy!

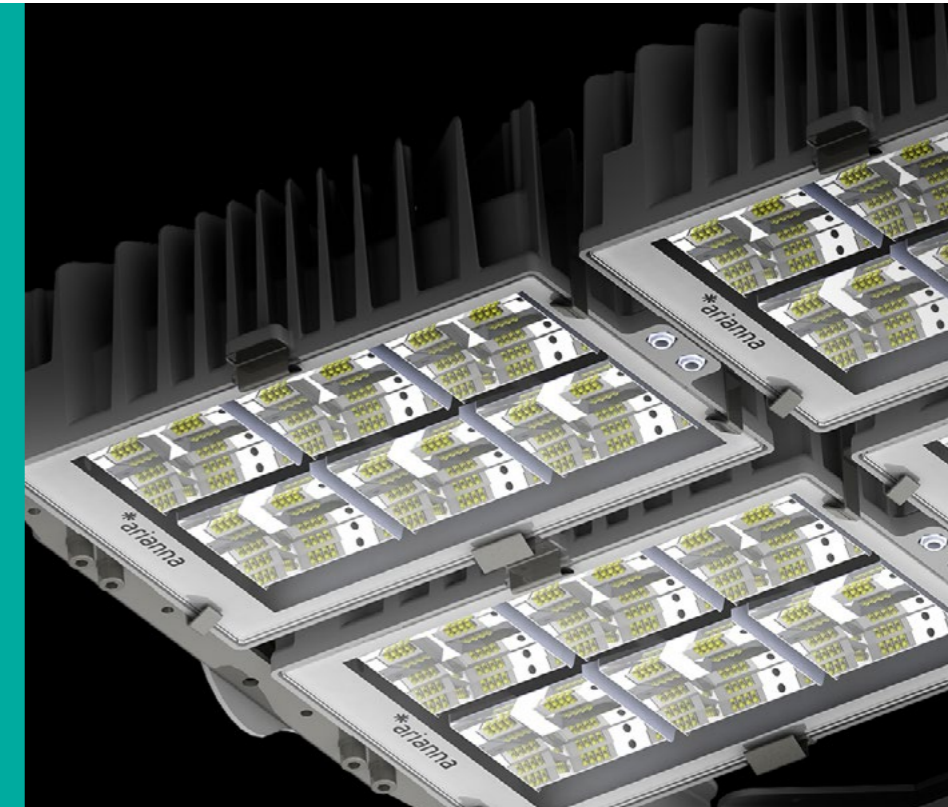
We can collaborate closely with your chosen builder or electrician by aligning on design specifications, time-lines, and installation requirements to ensure a seamless and well-coordinated tennis court construction project.



Light Spill

When installing or upgrading tennis court lighting, you should also consider the impact of spill light on surrounding areas. Adhering to the Australian Standards for obtrusive light (AS/NZS 4282:2019) and local council regulations helps to ensure your lighting doesn't become a disturbance to neighbours and surrounding properties.

A combination of strategic luminaire placement, intelligent lighting design, and quality optical distribution can ensure light is directed precisely where it's needed, significantly reducing light spill.



Quantity of Light

The quantity of light is expressed as an average lux level and is usually determined by the level of tennis to be played. General guidelines recommend lower levels for social play and training, medium levels for club competitions and high levels for national and international competitions.

The current Australian Standard for tennis court lighting (AS 2560.2.1-2021) recommend the following average horizontal illuminance values (measured in 'lux') for each level of play:

- 250 LUX** Recreational & Training Use
- 350 LUX** Club & Local Level Competitions
- 500 LUX** State & Regional Level Competitions
- 750 LUX** International & National Level Competitions*

Most venues will fall under the Recreational or Club Competition level. Courts that host regular national or international tournaments will need to meet higher lighting standards, which often require additional planning and consultation.



Quantity of Light

The quality of light is evaluated by the degree of light uniformity and lack of glare. Optimum uniformity is achieved by using light fittings that provide the correct light distribution and that are positioned appropriately around the perimeter of the court.

Lux measures the brightness of the lighting, while uniformity ensures consistent light distribution across the court. Both are critical for a clear view of the ball in play. Uniformity is particularly important; uneven lighting makes it difficult for players to follow the ball and judge its speed.

Good lighting design should also include measures to reduce glare and ensure that light is distributed evenly across the court, without bright spots or shadows. This is important for both players and spectators.

* Additional vertical illuminance is recommended for television broadcasts.



Venture Lighting Advantage

Reap the benefits of energy-efficient LED lighting at an economical price with the Venture Lighting Advantage!

With over 40 years' experience, Venture Lighting is a global leader in pioneering light source technology. The Venture Lighting Advantage combines a modern low-profile aesthetic with purpose-built tennis court optics, designed to cover every inch of the court.

The Venture Lighting Advantage Series offers an affordable, high-performance lighting solution ideal for residential settings and budget-conscious clubs.

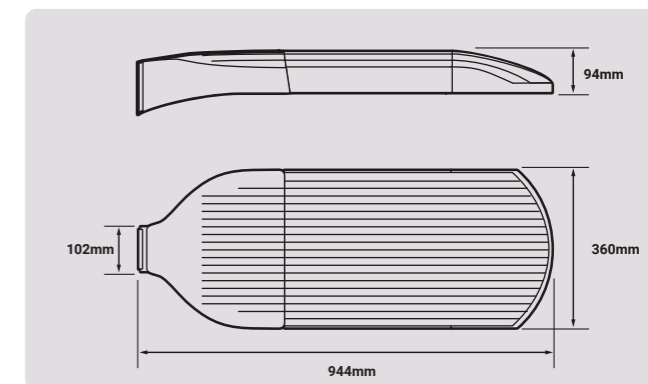
Benefits

- 1 Low-profile aesthetic
- 2 Near-zero maintenance
- 3 Purpose built tennis court optics
- 4 5-year limited warranty

High quality,
Low cost

Specifications

LUMENS	Up to 65,000
WATTAGE	480W (350W Variant Available)
CCT	4000K
RATING	IP65
WARRANTY	5 Years
COLOURS	BK



Mounts



HORIZONTAL TENON

(non stocked indent item)



SLIP FITTER

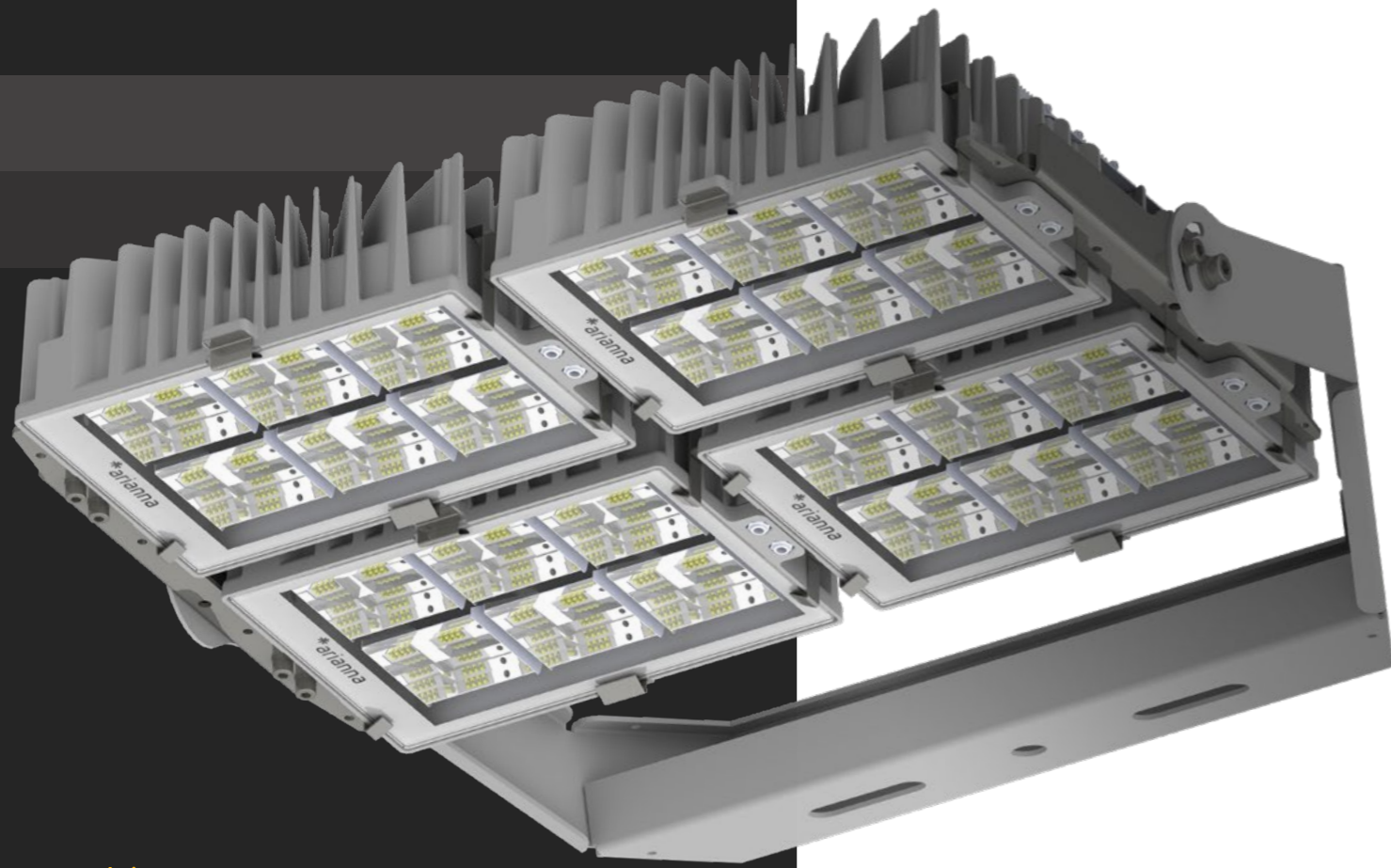


ROUND POLE



SQUARE POLE





Arianna
Petrarca 3.0

The ultimate modular floodlight solution combining advanced reflection optics with professional-grade illumination.

The Arianna Petrarca 3.0 LED Floodlight is a flexible and modular sports lighting solution capable of delivering up to 190,000 lumens through patented reflection optics that offer high efficiency, uniformity and visual comfort.

The Petrarca generates comfortable, even light distribution with minimal glare to provide an enjoyable experience for both participants and spectators. Whether it's a tennis court or a larger sports field, the Arianna Petrarca 3.0 offers a cost-effective, energy-efficient modern LED sports lighting solution.

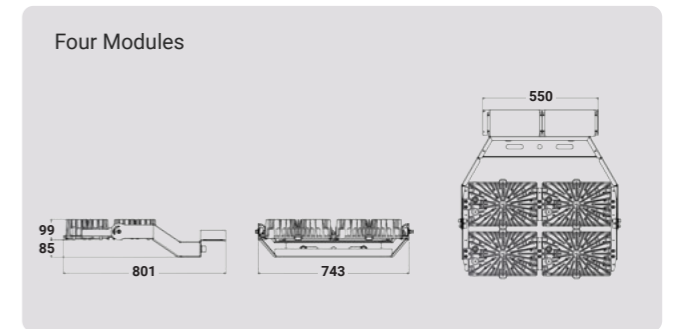
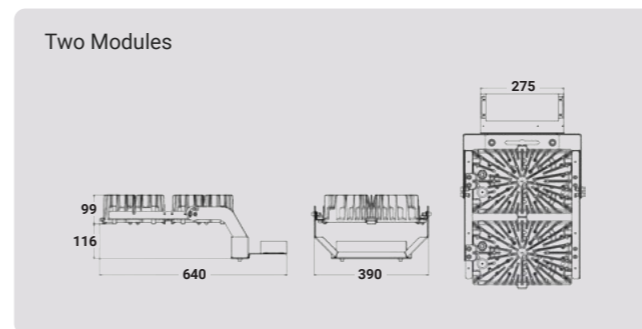
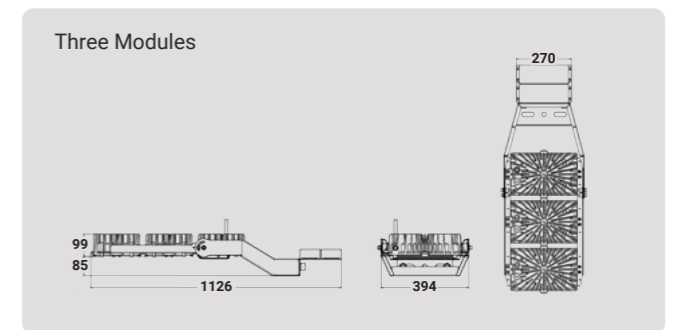
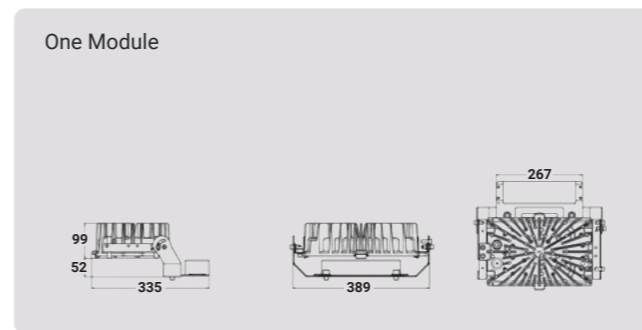
Benefits

- 1 Modular (one to four modules)
- 2 High visual comfort (low glare)
- 3 5-year limited warranty
- 4 Patented optics designed to maximise performance

Flexible & modular

Specifications

LUMENS	Up to 190,000
WATTAGE	225W to 1450W
CCT	4000K (3000K / 5700K upon request)
RATING	IP66
WARRANTY	5 Years
COLOURS	G





C Series

Cree Lighting OSQ (C Series)

See every serve and volley clearer than ever with the new Cree Lighting OSQ C Series!

Building on the rich heritage of the Cree Lighting OSQ family, the C Series offers reduced glare and higher efficacy while weighing almost 40% less than its predecessor.

Cree Lighting's NanoComfort® Technology ensures light is delivered precisely where it's needed, with backlight shields available for even greater spill-light control (sold separately).

OSQ (B Series)

The Cree Lighting OSQ (B Series) boasts a well-earned reputation but is now closer to the end of its life cycle than the beginning. Advanced Lighting Technologies will continue to offer limited quantities until our supplies are exhausted. We recommend considering the new generation Cree Lighting OSQ C Series as an alternative.



B Series

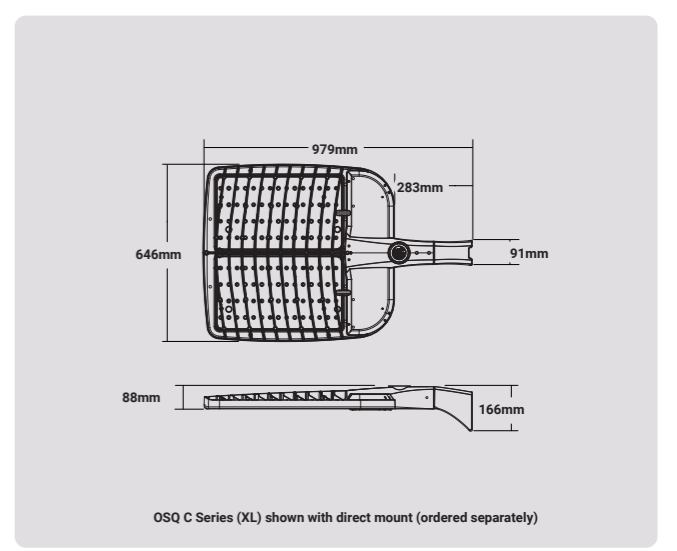
Benefits

- 1 Simple installation with near-zero maintenance
- 2 NanoComfort® Technology
- 3 10-year limited warranty
- 4 Backlight shield compatible for even greater spill-light control



Specifications

		OSQ B SERIES
LUMENS	Up to 85,000	Up to 75,000
WATTAGE	Up to 520W	Up to 530W
CCT	3000K, 4000K, 5000K, 5700K	
RATING	IP66	
WARRANTY	10 Years	
COLOURS	BK SV W	BK

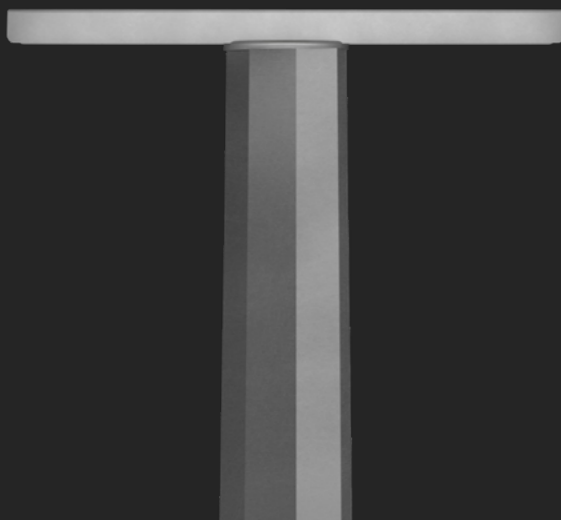


Industry leading warranty

Lighting poles & accessories

Ensure your lights stand the test of time with our wide range of quality poles and accessories.

We can provide a complete tennis court lighting solution, from foundation cages to poles and a variety of mounting options to suit any court layout. Our quality light poles come with a standard one-year warranty and are available in a range of heights, shapes and colour finishes.



Pole Specifications

☀ HEIGHTS	4m, 6m, 8m, 10m (Standard*)
💡 COMPATIBILITY	All ADLT Tennis Court Light Fittings
🛡 WARRANTY	1 Year
🎨 COLOURS	BK G C

G Galvanised **C** Custom

*More pole heights & custom colours may be available (MOQ and longer lead time may apply).

Foundation cages, mounting options and accessories sold separately. Contact us for more information.



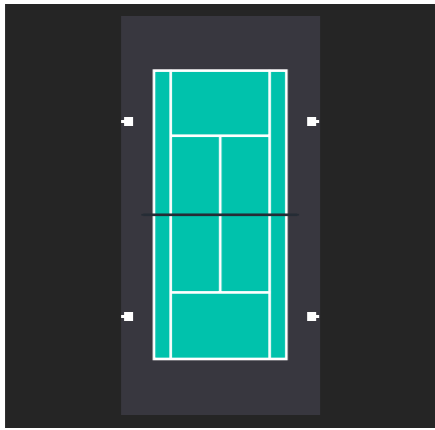
We Offer

- 1 Specially designed foundation cages specifically engineered for Australian wind and soil conditions.
- 2 Round pipe poles, tapered round and tapered octagonal poles available in a variety of heights.
- 3 A range of mounting options and accessories to suit any court layouts and fixing options.
- 4 Bird spikes, backlight shields and other options are available to customise your lighting solution even further.

**Maxium flexibility,
Seamless versatility**



Single Court



RESIDENTIAL SCHEME

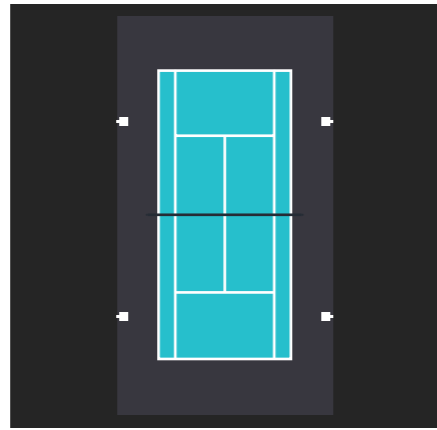
4 X POLES (6M)
4 X LUMINAIRES

LUMINAIRE

ADVANTAGE (480W)
OSQ-C (447W)

LEVEL OF PLAY

RECREATION & TRAINING (250 LUX)



STANDARD CLUB SCHEME

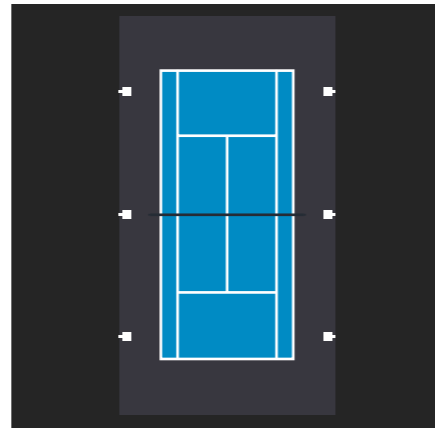
4 X POLES (6M)
4 X LUMINAIRES

LUMINAIRE

PETRARCA 3.0 (450W | TWO MODULES)
OSQ-C (520W)

LEVEL OF PLAY

CLUB COMPETITION (350 LUX)



PREMIUM CLUB SCHEME

6 X POLES (6M)
6 X LUMINAIRES

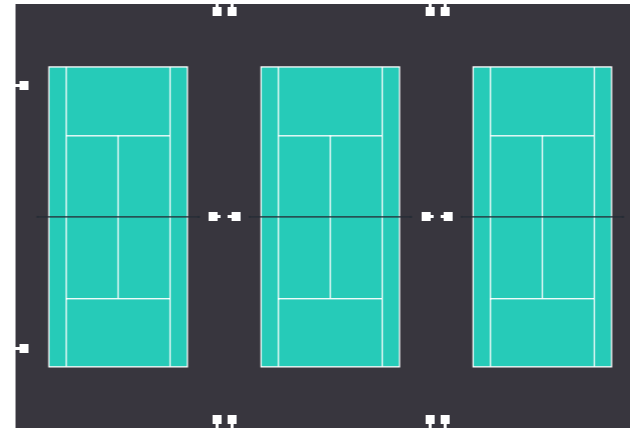
LUMINAIRE

PETRARCA 3.0 (339W | ONE MODULE)
OSQ-C (447W)

LEVEL OF PLAY

CLUB COMPETITION (350 LUX)

Triple Court



CLUB HYBRID SCHEME

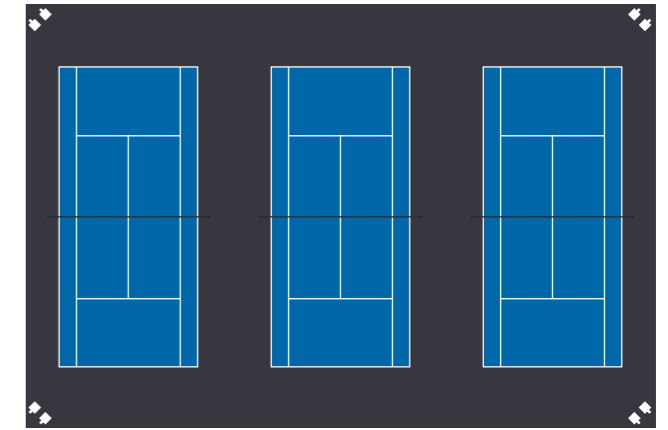
10 X POLES (8M)
16 X LUMINAIRES

LUMINAIRE

PETRARCA 3.0 (450W | TWO MODULES)
OSQ-C (447W)

LEVEL OF PLAY

CLUB COMPETITION (350 LUX)



CLUB HIGH POLE SCHEME

4 X POLES (12M)
8 X LUMINAIRES

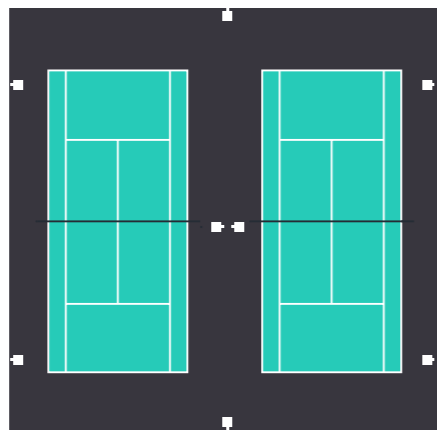
LUMINAIRE

PETRARCA 3.0 (1007W | FOUR MODULES)

LEVEL OF PLAY

CLUB COMPETITION (350 LUX)

Double Court



CLUB HYBRID SCHEME

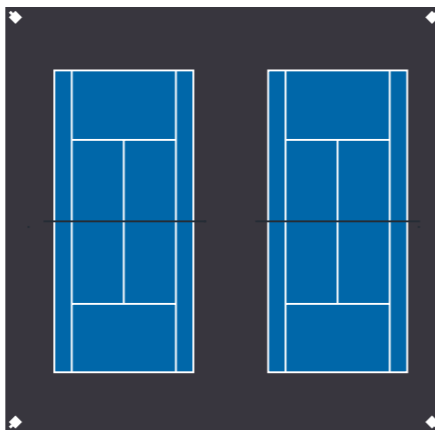
7 X POLES (8M)
8 X LUMINAIRES

LUMINAIRE

PETRARCA 3.0 (450W | TWO MODULES)
OSQ-C (520W)

LEVEL OF PLAY

CLUB COMPETITION (350 LUX)



CLUB HIGH POLE SCHEME

4 X POLES (10M)
4 X LUMINAIRES

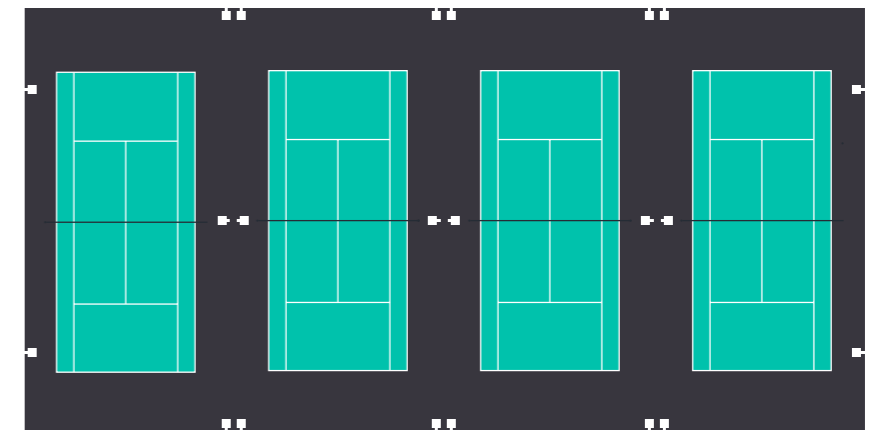
LUMINAIRE

PETRARCA 3.0 (1276W | FOUR MODULES)

LEVEL OF PLAY

CLUB COMPETITION (350 LUX)

Quad Court



CLUB HYBRID SCHEME

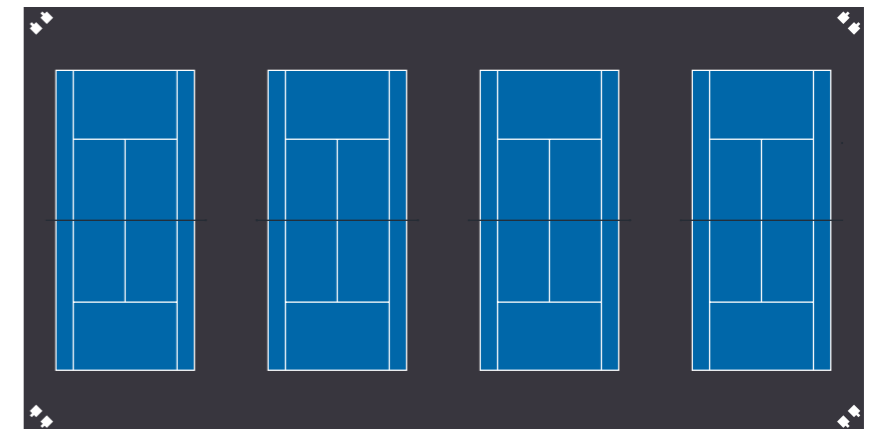
13 X POLES (8M)
22 X LUMINAIRES

LUMINAIRE

PETRARCA 3.0 (450W | TWO MODULES)
OSQ-C (447W)

LEVEL OF PLAY

CLUB COMPETITION (350 LUX)



CLUB HIGH POLE SCHEME

4 X POLES (12M)
8 X LUMINAIRES

LUMINAIRE

PETRARCA 3.0 (1467W | FOUR MODULES)

LEVEL OF PLAY

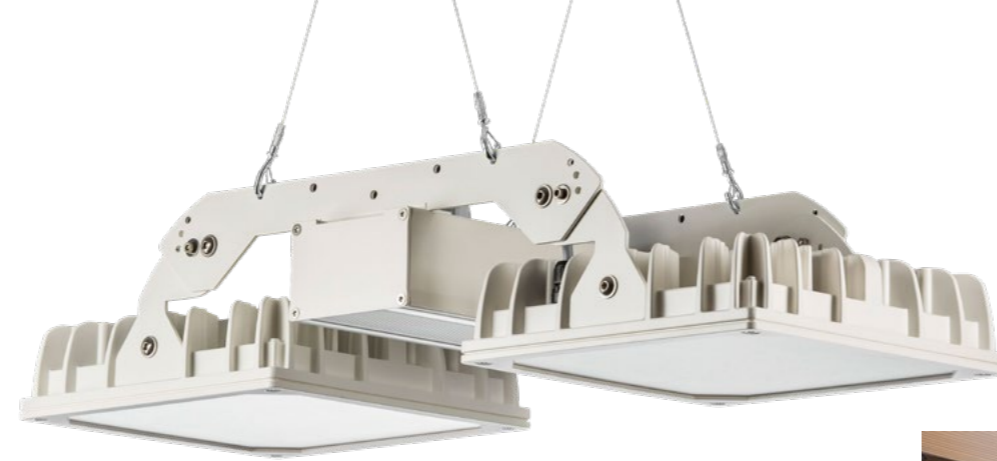
CLUB COMPETITION (350 LUX)

Typical lighting layouts

These diagrams illustrate typical layouts designed to meet the recommended light levels outlined in the Australian Standard (AS 2560.2.1-2021) for common levels of play. For alternative court configurations, please contact us.



Game changing sports lighting



Did you know we supply more than just tennis court lighting products? In fact we've provided sports lighting solutions to dozens of local councils, schools, and organisations across Australia.

At **Advanced Lighting Technologies**, we understand that sports lighting has unique requirements. Whether illuminating an indoor stadium or an outdoor sports field, we provide tailored LED lighting solutions designed for optimal performance, energy efficiency, and long-term durability.

We light ...

- 1 Swimming Pools & Aquatic Centres
- 2 Netball & Basketball Stadiums & Gyms
- 3 Recreation and Leisure Facilities
- 4 Skate Parks & Council Sports Facilities
- 5 Bike & Running Tracks
- 6 Hockey & Rugby Fields
- 7 Football & Cricket Ovals
- 8 Golf Driving Ranges

& More!



Lighting Designed for Every Environment

Indoor Sports

Indoor sports lighting requires precise control to minimise glare and maximise uniform illumination, ensuring clear visibility for players and spectators. Our LED solutions enhance energy efficiency while maintaining optimal light levels for various activities.

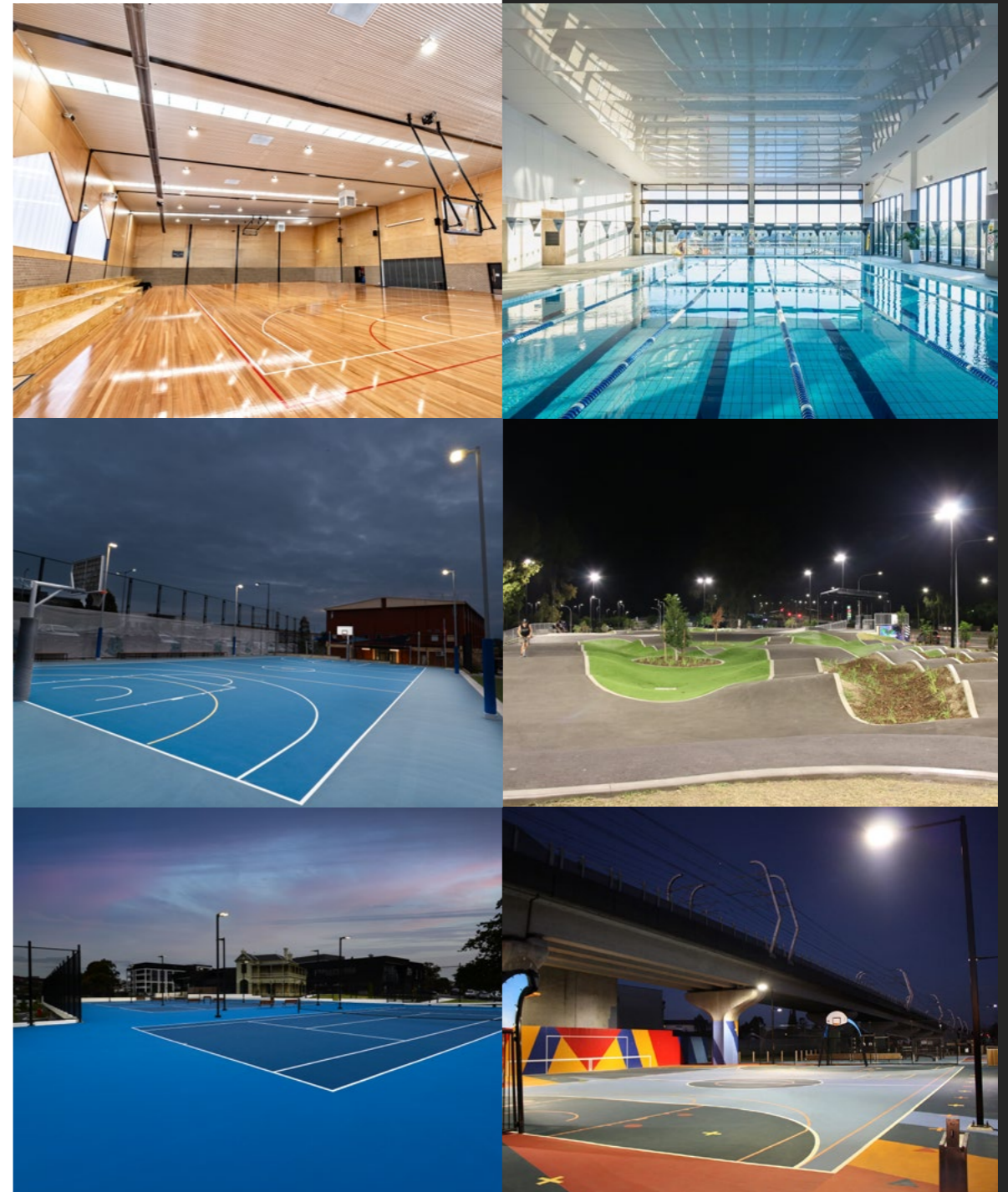
Outdoor Sports

Outdoor sports lighting must be robust and weather-resistant, delivering consistent high-performance illumination in all conditions. We provide solutions that reduce light spill, improve sustainability and meet competition and recreational standards.

Community, Recreation & Leisure

Sports, recreation and leisure facilities are vital to any local community. Sports lighting can assist in promoting a healthy lifestyle, as well as providing a safe and comfortable environment for participants and observers. It can also allow facilities to extend their operating hours, providing greater access to users, sporting teams and community groups.

Our team works closely with councils, schools and organisations to deliver bespoke lighting designs and products that align with sporting codes and Standards. Whether upgrading an existing facility or planning a new installation, we can help to ensure your lighting is efficient, compliant and built to last.





Advanced
LIGHTING TECHNOLOGIES

Advanced Lighting Technologies are specialists in architectural, commercial and industrial lighting. **Whatever the application, whatever the budget - we'll have a solution that fits your needs.**

For more information on our
tennis court lighting solutions

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