

# LED Tennis + Sports Lighting

## Low Pole Solutions



**HAWKeye series**  
Brighter – Bolder – Better

GENERATION  
**NEXT**  
SPORTS LIGHTING

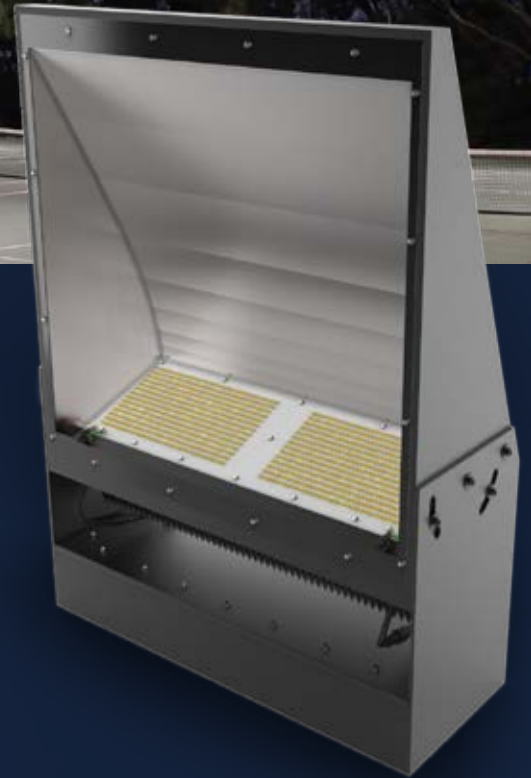
'Designed and Manufactured in Australia'

# Next Generation Sports Lighting introduces Australia's 1st 'designed & manufactured' LED tennis court luminaire.



Introducing the 'HAWKeye' series LED floodlight from Next Generation Sports Lighting which has been fully designed and manufactured in Australia utilising over 25 years' experience within the tennis court lighting industry. Featuring the latest in LED technology and precise optics that directs light only where it's needed, it's now time to make a "Good Call" on your next tennis court lighting project by upgrading to the latest in low-pole 'LED' floodlighting.

The HAWKeye increases existing light levels and achieves power savings of up to 50% whilst reducing the effects of glare and obtrusive lighting outside the tennis court. Our concealed internal reflector features a unique 'stepped' design which precisely controls both the forward & lateral light on the tennis court, this level of control is an essential ingredient for modern sports venues enabling players to compete in optimal conditions similar to day light.



## FEATURES

The HAWKeye series is the ultimate replacement for traditional 1000W Metal Halide floodlights that features:

- Innovative patent-pending modular design
- Unrivalled LED efficiency in its class of 130 lumens per watt
- INSTANT ON - immediate full brightness
- Internal concealed reflector reduces glare & obtrusive lighting
- Save 50% on energy bills compared to traditional HID floodlights
- ZERO maintenance
- 5 Year warranty

Due to the outstanding reflector qualities that provide maximum beam projection whilst minimising spill light, the HAWKeye series is perfect for many low pole floodlighting applications adjacent residential areas & roadways such as:

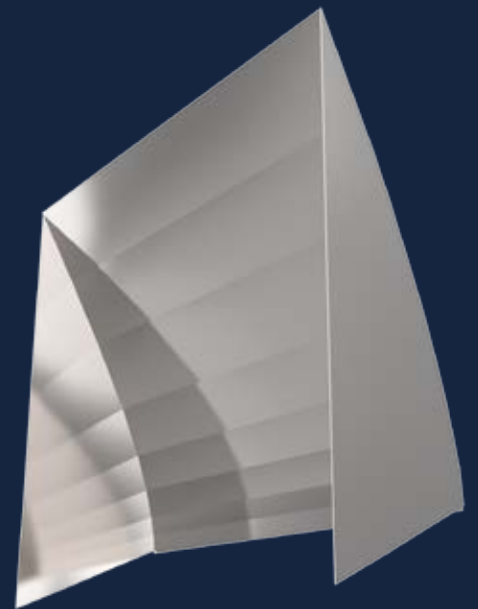
- Tennis courts
- Outdoor sports courts
- Car Parks
- Perfect long life solution for all municipalities, clubs and colleges



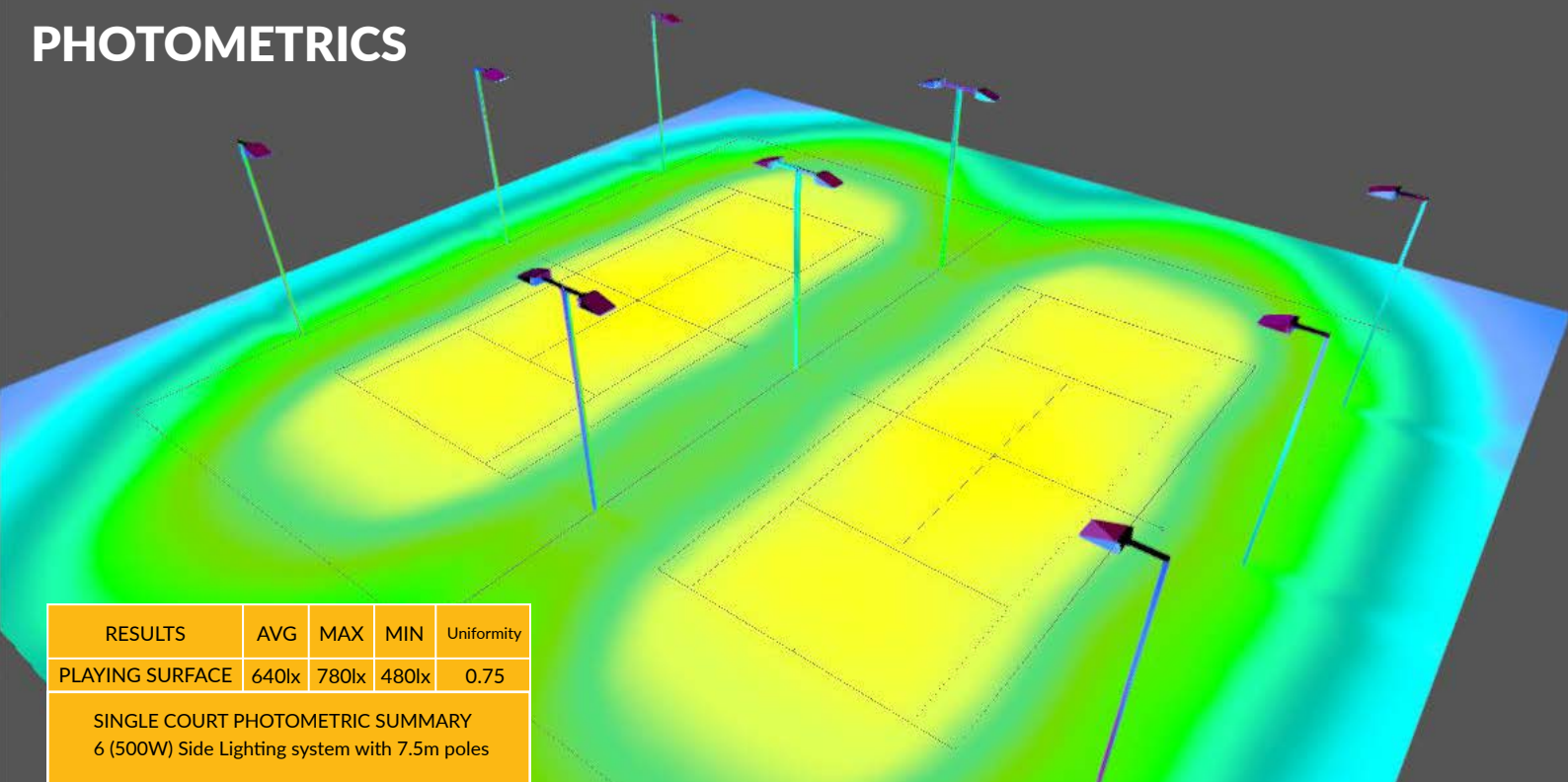
# 'ENVIRO' REFLECTOR

The HAWKeye series reflector system has been specifically designed for tennis court dimensions. Our newly developed 'Stepped' forward-throw reflector not only controls light glare and light pollution, but also optimises uniformity levels on the actual playing area. This ensures beautiful lighting and maximises visual comfort to both players and spectators.

- High purity pressed aluminium reflector
- Sharp area cut-off
- Forward-throw with wide lateral beam distribution
- Optimum uniformity
- No upward spill light



## PHOTOMETRICS



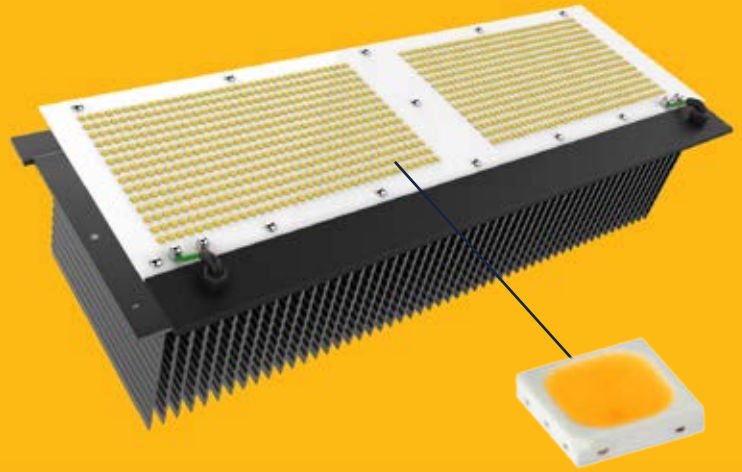
7.5m TALL POLES



# LED PANEL & HEATSINK module

Most LED floodlights rely on secondary 'plastic' lensed optics that encase directly over the LED chip which refracts the light in hundreds of points that increases visible glare; The plastic mould on some of these fittings can be prone to oxidisation that not only absorbs light but also prevents heat dissipation that can depreciate the life of the LED chip. The HAWKeye series uses only the native LED chip without secondary optics for improved efficiency, ensuring maximum longevity of the LED module.

- 130lm per watt LED output
- Instant ON 'full brightness'
- Anodised coloured fins that doesn't impede heat dissipation



Powered by Phillips Lumileds with an industry leading 150lm/W efficacy



## LED Power Supply

The LED driver is the heartbeat of any high-powered LED floodlight, the HAWKeye utilises the most reliable and industry leading power supply from MEAN WELL which provides a reliable dual mode constant voltage and current output. It also features a built-in active power factor correction function and 4kV surge protector.

Two LED drivers are securely installed within the serviceable enclosure module located in the rear mounting module and combines for a maximum 640W power output, this is well above the LED 500W nominal operating output ensuring greater reliability and longevity of both the LED chips and drivers.

- IP67 ingress protection
- Dimmable (0-10V)
- Wireless switching (optional)

Powered by MEAN WELL

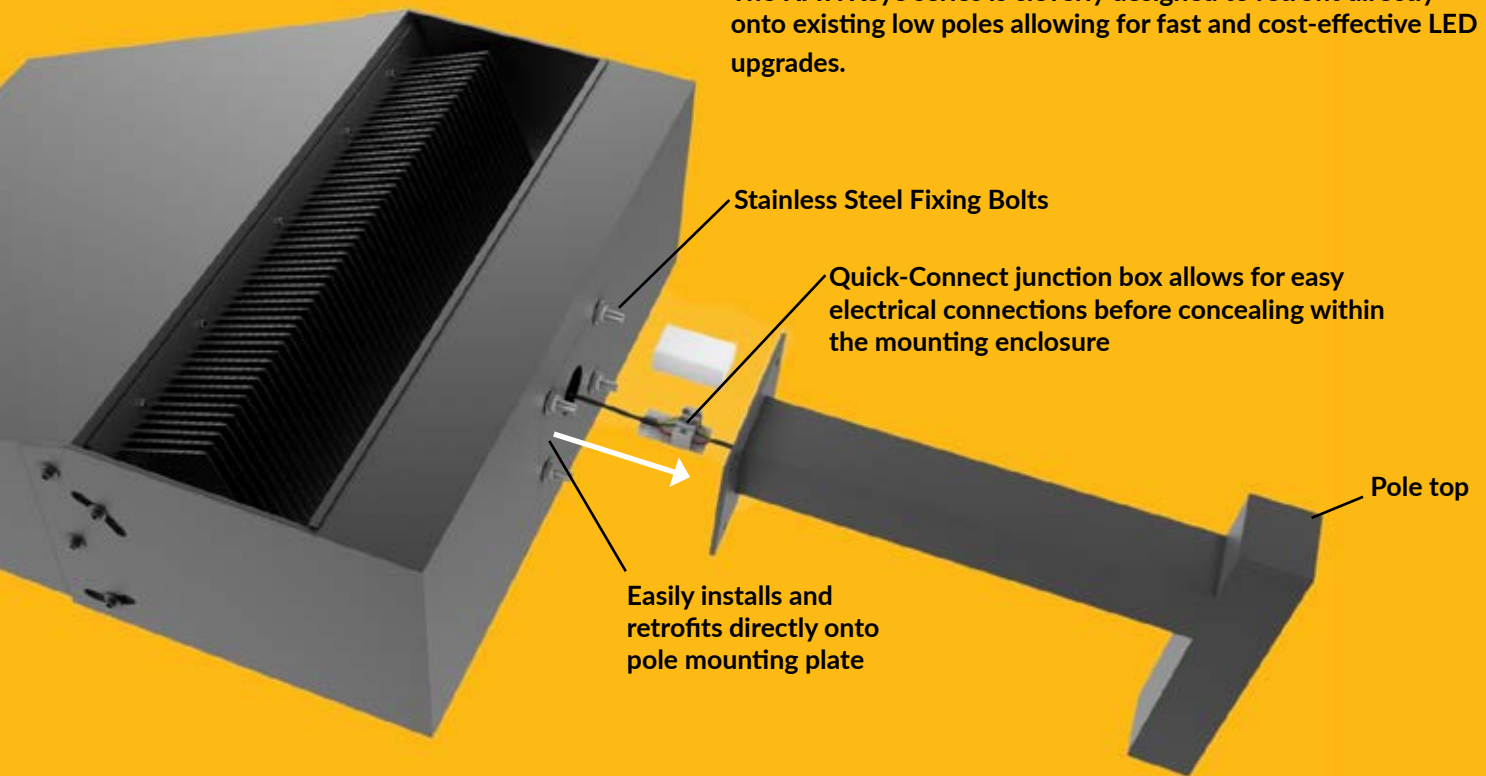


Ultimate retrofit replacement for traditional 1kW low pole floodlights. Can save 50% electricity with Zero maintenance.



# INSTALLATION & RETROFITTING

The HAWKeye series is cleverly designed to retrofit directly onto existing low poles allowing for fast and cost-effective LED upgrades.



## COLOUR OPTIONS

A choice of colours allows the HAWKeye to blend in perfectly within any tennis club or residential environment.

- True Blue
- Satin Black (Standard)
- Brunswick Green

## ADJUSTABLE TILT

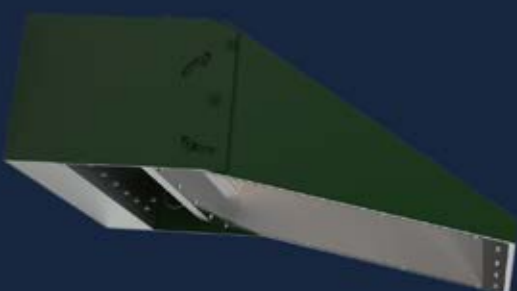
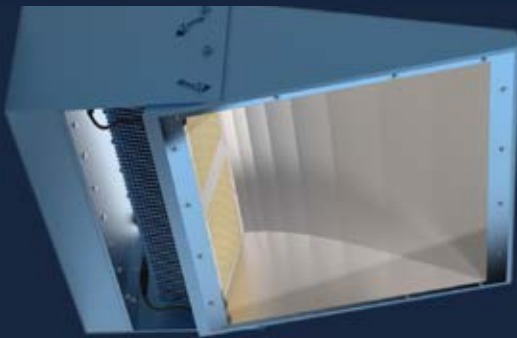
Not all tennis court enclosures are exactly the same, the HAWKeye series provides total flexibility to tilt the LED/REFLECTOR assembly either 'up' or 'down' to optimise and control the lighting distribution on the tennis court.

- + 20 degrees
- Horizontal
- - 10 degrees

## 2 PIECE BODY

Manufactured from materials of the highest quality, the HAWKeye series was designed to carry on from the previous generation 'Shoe Box' style tennis court floodlights.

- Latest CNC manufacturing process
- High impact resistant toughened glass
- Modular components for ease of serviceability
- IP65 Weather rated & corrosion resistant



# Specifications 600W / 500W / 400W

Model Name	HAWKeye series
Power Consumption	600W (500W / 400W Available)
Light Source	0.5W LED chips (1050 pcs)
Color Temperature	3000K / 4000K / 6000K available
Luminous Flux	600W - 78Klm / 500W - 65Klm / 400W - 52Klm
Luminous Efficacy	130lm/w
Color Rendering Index	80Ra
LED Chip Manufacturer	PHILIPS
Input Voltage	85-265V AC (Optional 230-460V AC)
Input Current @220V	2.73A-600W, 2.28A-500W, 1.82A-400W
Power Factor	>=0.9
Frequency	50 / 60Hz
Surge Protection Device	4KV
Driver Type	Constant Current
Lamp Manufacturer	Next Generation Sports Lighting
Size (L*W*H)	887*659*250 mm
Weight	25Kg
Material	Body Optic Cover
IP Rating	IP65
Mounting Option	Fixed or Adjustable tilt
Operating Temperature	-30 -55 C
Life Time	50,000 Hours
Option (Control System)	Wireless

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