



Case Study

STRIKER high-performance sports lights delivered compliant lighting for the new multi-sport complex at Newborough in Victoria's Latrobe Valley. 9 courts were lit to 250 lux and one to 350 lux.



STRIKER
High-performance sports lighting

Summary

Tigerlight was commissioned to create a lighting design solution for Latrobe City council's new 10 court multi-sports facility in Newborough, Victoria.

The main business objectives were to achieve an average of 250 lux over the 10 netball/tennis courts as well as 350 lux for the show court. 1-10VDC dimming was specified to enable the output level to be reduced when not required.

Challenge Faced

Apart from the levels and uniformity of the light, Latrobe City council wanted to ensure that future maintenance costs would be minimised by the use of remote drivers mounted on the 10m poles.

There was also an important stipulation that the lenses used on the fittings would comply with the strict AS4282 standard for obtrusive lighting, to avoid light spill into neighbouring properties.



Solution

New STRIKER 960W and 1440W high-performance LED floodlights were specified, for 10m poles, as below. All were dimmable 1-10VDC.

- 40 x 960W STRIKER floods (112,500 lumens) three or four per pole over the standard courts.
- 4 x 1440W STRIKER floods (168,100 lumens) two per pole over the show court.

All lights were installed on 10m poles fitted with waterproof cabinets at the base, housing the remote drivers for the fittings.

T4S asymmetric lenses proved ideal to achieve the 250 lux levels on the standard courts and the 350 lux over the show courts.

The AS4282 obtrusive lighting standard was met.



Excellent uniformity of light distribution over the 10 courts at the Newborough courts, with minimal light spill into surrounding areas. The Show-court is the second court from top, above left, utilising 1440W Striker fittings, which can be dimmed when 350 lux ave is not required.

STRIKER
High-performance sports lighting

- 3 sizes available**
- 960W - 112,500 lumens
 - 1440W - 168,100 lumens
 - 1920W - 220,800 lumens



1440W STRIKER LED SPORTS LIGHT

- 120+ lumens per Watt output
- Modular construction with natural air flow
- Ceramic-based LEDs - superior thermal properties
- High performance Meanwell and Inventronics drivers for proven performance and reliability
- Dimmable 1-10VDC or DALI
- 277V or 415V options
- 15 lens options, including round and asymmetrical
- Polyester-coated housing in black or grey
- Fitted with Transient Voltage Suppressors
- Surge protection to 20kV/10kA also available
- IP67 and IK10 rating. Glass-free.

