

COMPONENT	PROJECT DETAILS
LOCATION	Blacktown International Sports Park (BISP), Eastern Road, Rooty Hill, NSW 2767
LAND OWNER	Blacktown City Council - (02) 9839 6591
COMPONENTS	Indoor Practice Centre - 1050 lux ENSA 200W LED high bay lights
KEY USES/USERS	All levels of cricket including domestic squads, premier cricket and community clubs
COST	Lighting cost only - \$40,000 (excluding GST and power supply costs)
COMPLETED	June 2015
FUNDING PARTNERS	Cricket NSW

The lighting design and supply for the project was provided by BMC Energy Systems.

PROJECT DESCRIPTION

Cricket NSW engaged Trackie Industries to install a 1000 lux system to increase the visibility, flexibility and functionality of the Indoor Practice Centre (IPC) at the Blacktown International Sports Park precinct.

The IPC is used year-round and was developed as part of the newest sporting centre at BISP in 2009. The combined indoor and outdoor facilities are amongst the best training facilities for cricket in Western Sydney.

It provides five full length indoor synthetic pitches with 15m run-ups.

The netting configuration allows the nets to be drawn to one end of the centre, thus transforming the facility into a sheltered warm-up and fitness area.

The core users of the Indoor Practice Centre include Cricket NSW Blues, Breakers and under age academy squads, local Blacktown community groups and various other external hirers.

The lighting has an in-house C-Bus enabled control system that allows users to power on only the required areas, thereby enabling sufficient rotation of lights as well as limiting wastage.

Key Project Outcomes

- Upgraded lighting system capable of hosting elite and international squads.
- Demonstrated the ongoing partnership between BISP management and Cricket NSW, and both parties commitment to invest and provide great cricket training facilities.
- Isolated lighting control per pitch thereby reducing power consumption and sustainability of the system.
- Provides an opportunity to capture high speed camera footage and meets heightened player safety requirements.

Key Learnings

- Ensure power supply and cabling on site will be sufficient to operate 1000 lux system – this can be a significant additional cost if not planned adequately.
- Forming relationships with preferred suppliers to understand and install best practice technology.
- The importance of working closely with architects, lighting engineers and users to ensure a flexible and financially sustainable system.



Lighting fixtures

41 ENSA LED high bay lights enable high performance sport for elite athletes as well as reduced power consumption.



Floodlights in operation

Each net has a dedicated lane of lights for enhanced illumination and capacity to switch on and off as required.