Sports Lighting Fact Sheet

The purpose of this document is to provide a snapshot of the steps involved in a typical lighting project. For more detailed information applicants are encouraged to refer to the Sports Lighting Best Practice Guide.

- Do you know exactly what you want to achieve and the timeframes for delivery and completion?
- Do you have the expertise to deliver the project and what impact will it have on current operations?
- Is the project proposed to be undertaken in multiple stages?
- Have you considered what impact this project will have on your club's current operations? Can the work be scheduled outside of the playing season?
- How much will it cost to maintain and run when completed and can you afford it over the long term without subsidies?
- Have you sought input from a suitably qualified lighting designer to assist with planning and costing and to ensure that it meets with the sports and lighting standards including obtrusive lighting?
- Have you considered that electrical infrastructure including switchboards, power and control cables etc. will need to be checked by an electrician or electrical engineer, and any costs will need to be factored into the total project cost?

Project Scoping

Site Considerations

- Landowner consent
- Contamination land, former landfill site
- Disaster mitigation
- Light spillage
- Environmental impact
- Any applicable covenants e.g., heritage overlay
- Proximity to adjoining neighbours

Council Approvals

- Development approval requirement?
- Building approval requirement?

Project Costs and Quotations

- Three valid and comparable quotations or Quantity Surveyor's estimate
- Poles – New or existing;
  - Soil/geotechnical testing,
  - Footing design
- Electrical considerations such as:
  - Upgraded power supply to site,
  - Additional power points for ancillary activities,
  - Audio / Audio Visual systems
- Project Manager Costs

For projects with a total project cost of $200,000 (ex GST) or more, an independent and qualified project manager will need to be engaged through a public

Conceptional Design

- Engage a professional lighting designer with experience in sports lighting to design
- Engage a registered structural engineer for pole and footing design or will the pole manufacturer supply poles and footings with design
- Lighting lux level appropriate for the activity
- Multipurpose/multisport use
- Alternative energy sources

Lighting Design Components

- Developed by a member of the Illuminating Engineering Society of Aust. & NZ (I.E.S) with a grade of M.I.E.S (Member), F.I.E.S (Fellow) or RLP (Registered lighting professional)
- Complies with:
  - AS 2560.2:2021 Sports lighting, Part 2 Specific applications and AS 2560.1-2018 Sports Lighting Part 1: General principles.
  - AS 4282-2019 Control of the obtrusive effects of outdoor lighting.
- Calculation Grid / Illumination Results Sheet (AS 2560)
- Obtrusive Light Analysis and Compliance Report (AS 4282)

Warranty Considerations

- Defects liability period conditions
- Australian manufacturers / authorised suppliers / authorised distributors' warranties for poles, luminaires, fixtures and fittings, control systems, switch gear and switchboards to ensure warranty conditions are maintained throughout the warrantied life of the product
- Warranty claim procedure

Upgrades or Relocation

- Lighting audit showing the current lighting (lux levels) *Note the following 3 items are not part of a lighting audit*
- Professional assessment of the condition of the existing poles
- Capacity for poles/cross-arms to carry the additional lights
- Capacity of the electrical infrastructure to accommodate the increased power requirements for the new installation
- Existing poles certification will be required from a Registered Professional Engineer
- Form 15 requirement? Advice from a professional building certifier is required