

The Northern Tennis Proposed lighting Summary

Overview

The Northern tennis Club offers the surrounding community benefits of mental and physical aspects of playing tennis, it wishes to add updated lighting in courts to increase that service to differing age groups and a wider audience. Thus, increasing mental and physical well being in the community and supporting the UK Government drive for a happier, healthier population through playing sport.

Existing lighting review

The existing light fittings on the courts at The Northern do not comply with LTA lighting regulations, they are symmetrical beam light fittings aimed in the sky in many instances, providing an inefficient and possible obtrusive light to the surrounding environment. At the time of the original installation, regulations would have been different regarding lighting and environment.

Current regulations focus more on the quality of light, where it is put and how the light effects the surrounding environment including people and wildlife.

Proposed Lighting Review

Scope

The scope for the proposed lighting is to illuminate the courts in a careful, considered way. Ensuring that both LTA tennis requirement is achieved, and obtrusive light is minimised to the surrounding area. The above points are considered the task or reason for the lighting to be included in the scheme. To correctly light for the task, asymmetric beam patten lights will utilised, focused on providing more light on the task area and less in the sky and surrounding environment.

Considerations and mitigations applied to the lighting solution

There are many mitigations that have been specifically applied to this proposal to achieve functional, fit for purpose lighting and consider the surrounding environment. Please see below brief summary of how the lighting solution has been considered for both environment and regulation.

- Exled Luminaire designed specifically for use in tennis environments
- Constructed using individual modules – enables individual aiming, allowing greater control of light and adjustment if required in future years
- Individual reflector internally on every led in each module - reduces spill light and tightly controls where light is put in the environment

- Creating a light curfew considering people and scheduling accordingly
- Asymmetric – downward facing fitting used to reduce sky glow and obtrusive light.
- Court G has reduced light from one side of the court to consider light spill into Blackburn gardens, the court will not be lit to LTA standards to consider the neighbouring properties.