

Project : Oak Park, Havant
Project No. : 14599
Date : 04th February 2014

Oak Park Health & Wellbeing Campus, Havant

M&E Environmental Services – External Lighting Scoping Statement

1.0 Introduction

This scoping report is intended to set out and confirm the approach and design parameters that are to be adopted in the design, selection, installation and commissioning of the external lighting of the proposed Oak Park Health and Wellbeing Campus, Havant.

External lighting shall always be designed to ensure that external light is concentrated in the appropriate areas and that upward lighting is minimized, reducing unnecessary light pollution, energy consumption and nuisance to neighbouring properties.

This brief scoping report is provided to help ensure, commit and convey the same including compliance with the Local Authority Dark Sky criteria.

2.0 Design Criteria

External lighting shall be provided to areas including pedestrian and fire access routes, circulation routes, car parking, main entrance, building façade and any external illuminated signage.

The whole of the external lighting installation shall be installed so as to comply with the recommendations as detailed within CIBSE Lighting Guide LG6, BS EN 13201, BS 5489 and BS 7671 and 17th Edition of the IEE Wiring Regulations.

In addition, the external lighting strategy shall be designed in compliance with ILE Guidance notes for the reduction of obtrusive light, 2005.

The entire external lighting scheme shall provide a uniform and visually attractive environment to emphasise the architectural features of the building and external landscape but in keeping with the development constraints and requirements.

The external lighting system will be designed to achieve the following average lighting levels: -

- | | |
|---|----------|
| – Perimeter of the building (to a distance of 5 metres) | - 20 lux |
| – Footpaths, pedestrian areas, thoroughfares | - 10 lux |
| – Car parking bays and associated vehicular areas | - 20 lux |

3.0 Dark Sky Criteria

The external lighting design shall be developed to ensure compliance with Local Authority Dark Sky criteria to help minimize the cause of light pollution.

Compliance with the Dark Sky criteria is to be achieved using precise light control from luminaire

head/optic.

Luminaires installed shall have no upward light component in accordance with dark sky principles.

The local authority's dark sky policy shall be consulted prior to design and installation of external lighting.

Where up-lighting is being provided to enhance the building architectural features, this shall be carefully selected and positioned so to minimize upward light spill.

4.0 External Lighting Control Strategy

Control of external lighting shall be via time clock and photocells with manual override facility.

Control of all external lighting (except for safety and security lighting) shall be designed to be automatically switched off between 2300hrs and 0700hrs.

Where safety or security lighting is to be provided between 2300hrs and 0700hrs, this part of the external lighting system shall comply with the lower levels of lighting recommended during these hours in Table 1 of the ILE's Guidance notes, for example by using an automatic switch to reduce the lighting levels at 2300hrs or earlier.