

External Lighting Assessment – Road and Car Parks

The external lighting design to the Collyhurst Village Site has been carried out in accordance with the latest design standards and with BS EN 13201:2015 considered.

Lux levels across the site meet the requirements set out for standard roadways in typical residential areas.

The illuminance levels will provide users with sufficient lighting to perform outdoor visual tasks efficiently and accurately.

This area is a residential area therefore the luminaires selected in the design have dedicated street-lighting optics to reduce the spill lighting and glare to the surrounding environment and properties.

The Luminaires selected for the application have a proven track record when used in similar projects. and limit upward light with specific optics to direct the light in the chosen direction.

The design follows the principles outlined in the Institution of Lighting Professionals: Guidance Notes for the Reduction of Obtrusive Light, 2011. Any light that does not meet the required levels of spill light can be mitigated through the use of backlight shields if necessary.

The external lighting shall be controlled via photocell and timeclock application.

Refer to drawing no **WECE/250/E/01 External Lighting Layout, Village Site** for details of proposed Luminaires and lux levels.