

**From:** Kieran Robinson  
**Sent:** 23 February 2016 09:52  
**To:** Planning  
**Subject:** Lighting Information for planning application NYM/2011/0111/FL - condition 9 - Ladycross plantation caravan park Egton Whitby  
**Attachments:** NB bollard series 3.jpg; Lamp posts - Existing.jpg; N Parks - Lower area Lighting positions.pdf  
**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

23 FEB 2016

Dear sir/madam,

Reference planning application NYM/2011/0111/FL condition 9 'lighting' I would like to provide details for the proposed lighting scheme for the park

New lower area for touring caravans

**3 new lamp posts to new lower area and 1 to entrance of lower area - New lamp posts and lanterns to match existing lamp posts on site**

Lamp post	5 mtr high 76mm diameter galvanised steel painted dark green after installation
Lantern	Polycarbonate post top lantern with light diffuser and solid top to stop upward lighting
Bulb	45 watt LED low energy bulb
Control	Photocell switching on dusk to dawn sensor
Dimensions	320mm dia x 520mm height

**Caravan Bollards – Hook ups for caravan connection to power, water & TV**

Type	NB bollard series 3 used for touring pitch supplies. Each bollard supplies a mixture of 1, 2 and 4 pitches
Colour	Dark green body, opal diffuser angled downwards at 45 degrees, black polycarbonate lid
Dimensions	230mm x 230mm x 1140mm
Light lighting	3 watt LED low energy bulb at the top of the bollard with solid polycarbonate lid to stop upward lighting
Control	Photocell switching on dusk to dawn sensor
Number	
new lower area	12 hook ups serving 22 touring pitches – total light consumption from 12 hook ups - 36 watts
existing park	17 hook ups serving 29 touring pitches – total light consumption from 17 hook ups - 51 watts (new hook ups remove existing 13 bulkhead lighting units which have no upward light protection and designed for filament bulbs which are not energy efficient – total consumption 780 watts)

The installation of lamp posts is requested due to the numerous requests and sometimes complaints from caravan owners that the park is too dark at night when walking to and from the toilet blocks, car parks and generally around the park and to cover health and safety and insurance requirements. In the design of the new lower touring area we propose a triangle of lamp posts to give maximum coverage from the minimum amount of light which will provide both comfort and a feeling of safety to those in that area at night. The lights are designed for amenity areas to give a 360 degree spread of light from a low energy 45 watt LED bulb, with no upward light.

The proposal is for 3 lamp posts in the central triangle of the new lower touring area where trees remain and at present there are no caravan pitches. On the entrance one additional lamp post will provide much needed

additional light to lower corner of the existing park and the toilet block area which is in constant use. To the east side of this lamp post the dense mature trees will screen any light to the boundary of the park. It would also be proposed that the 70w SON bulbs (which provide an orange glow) in the existing lamp posts be changed at the same time to 45 watt LED bulbs such that the park lighting as a whole will match rather than having differing colours and light patterns.

I would also note that due to the nature of the park layout where small numbers of caravans are surrounded by trees, the trees screen light from each area such that passive light from one area to another is minimal to non-existent whereas an open field touring park, as Ladycross is not, does not have our benefit of screening passive light.

The bollards provide immediate shared lighting to the rear areas of the caravan pitches, which are then screened by mature trees and undergrowth further to the rear, with downward only light projection due to the solid black polycarbonate lid to the bollard and the 45 degree angle of the lamps opal diffuser. The bulb is a 3w Led bulb providing both a minimal level of light and energy consumption, housed in a standard bollard used in many caravan parks and the whole lighting consumption for all the new bollards in this lower area only totals 36 watts.

We would propose in the future that the old style bollards will be changed and replaced with the newer NB series 3 in dark green, to match, however at this time the number to be changed is unknown and will be determined by economics of the business but upgrading the park is continual and can be seen in the recent 2015 AA gold rating of 91% from the 2010 AA rating of 76% prior to our ownership and may I reaffirm that any alterations to the park are made sympathetically and to continually improve the park as a whole.

Thank you for your time with this matter and should you need any further information please do not hesitate to contact me

Yours sincerely

K Robinson

**Attachments**

NB series3.jpg

Lamp posts – existing.jpg

Ladycross – Lower area lighting positions.pdf

bollard side view

existing style of lamp post on site

positions of lamp posts and bollards