



Proposed Site Plan Lighting

1 : 100

Lighting Design Strategy

a) Habitats which support commuting or foraging bats include retained, established, future boundary hedgerows, gardens and shrubs. Gardens may provide foraging habitat. Even low-level light pollution upon these features has the potential to impact animals using these and adjacent habitats. Therefore, the lux and duration of light reaching the features should be minimised where possible.

b) Light locations to be Light levels to be as low as possible, and the number of fixtures kept to the minimum required. Porch lighting should be mounted at a height to ensure the porch reduces light spillage (i.e. acts as a cowl).

General Notes:

- Lamps should have a maximum of 7.5 to 10 lux;
- LED lights should be installed, using the warm white (or amber) spectrum, with peak wavelengths >550nm (2700 or 3000°K) and no UV component;
- Lighting should be directed to where it is needed, with horizontal spillage towards retained or establishing habitats minimised. This can be achieved by restricting the height of the lighting installation and the design of the luminaire;
- Light fixtures should be erected at the lowest reasonable height;
- Luminaires must have an upward light ratio of 0%, mounted on the horizontal (or overhead in porches);
- Lighting mounted on the dwellings should incorporate Passive Infra-Red (PIR) motion sensor
- To be installed in accord with Policy LP30 of the Kirklees Local Plan and the requirements of Chapter 15 of the National Planning Policy Framework



Bat boxes to be vivara pro or Schwegler Bat tube or equal approved bat box by other manufacturers built into external walls.



WL01
PALIN (or similar approved)
Dimmable 10 lux - 2000 lux. 110 degree detection angle, 8m maximum range with a 5 sec - 5 min timer function 7W LED GU10 (bulb not included) Constructed from stainless steel (304) & glass. from nationallighting.co.uk



WL02
PALIN PIR (or similar approved)
Non-dimmable
PIR: built-in manual override. 10 lux - 2000 lux. 110 degree detection angle, 8m maximum range with a 5 sec - 5 min timer function 7W LED GU10 (bulb not included) Constructed from stainless steel (304) & glass. from nationallighting.co.uk

Rev No.	Description	Drawn	Date
DO NOT SCALE OFF THIS DRAWING			
ACUMEN Designers & Architects			
acumenarchitects.co.uk 01484 546 000 Headrow House, Old Leeds Road, Huddersfield, Huddersfield HD1 1SG			
Client CAIRN CROSS			
Project COACH & HORSES HONLEY			
Description SITE PLAN LIGHTING			
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