



LIGHTING GENERALLY

The lighting scheme will be drawn up in line with ILP and BCT guidance note 08/18 Bats and Artificial Lighting in the UK (<https://www.theilp.org.uk/documents/guidance-note-8-bats-and-artificial-lighting>). All proposed new external lighting will be directed away from any vegetated boundary features to retain dark corridors for commuting bats across the site. There will be no direct illumination of the bat boxes once installed. The following should be considered when choosing luminaires to minimise the impact on bats: All luminaires should lack UV elements when manufactured. Metal halide, fluorescent sources should not be used; LED luminaires should be used where possible due to their sharp cut-off, lower intensity, good colour rendition and dimming capability; a warm white spectrum (ideally <2700Kelvin) should be adopted to reduce blue light component; luminaires should feature peak wavelengths higher than 550nm to avoid the component of light most disturbing to bats; internal luminaires can be recessed where installed in proximity to windows to reduce glare and light spill. The use of specialist bollard or low-level downward directional luminaires to retain darkness above can be considered. However, this often comes at a cost of unacceptable glare, poor illumination efficiency, a high upward light component and poor facial recognition, and their use should only be as directed by the lighting professional; column heights should be carefully considered to minimise light spill; only luminaires with an upward light ratio of 0% and with good optical control should be used; luminaires should always be mounted on the horizontal, ie no upward tilt; as a last resort, accessories such as baffles, hoods or louvres can be used to reduce light spill and direct it only to where it is needed.

NEST BOXES GENERALLY

A minimum of 3 bat roosting opportunities shall be created in accordance with Section 5.1.5 of the Ecology Survey Report (Biome Consulting Ltd, September 2020) and prior to occupation of the new dwelling:

2No. Schwegler 1FF bat boxes installed on trees around the periphery of the site

1No. Schwegler 2FR bat tube installed within the external fabric of the renovated building

The roosting opportunities shall thereafter be maintained for the lifetime of the development. See The Bat Conservation Trust guidelines (www.bats.org.uk).

A minimum of 2No. Schwegler 1B nest boxes (32mm hole) shall be erected on the site prior to first use of the development. The boxes shall be sited in suitable locations, at least 2m from the ground, with a clear flight path and where they will be unaffected by artificial lighting. The boxes shall thereafter be maintained for the lifetime of the development.

NOTES

Do not scale from this drawing
All measurements to be checked on site

Revision	Description	Date
-	-	-

project _____

CASTLEHOLM

project no. _____

1169

client _____

SUE ADAMS

drawing _____

PROPOSED NEST BOX LOCATION AND EXTERNAL LIGHTING PLAN

drawing no. _____ revision _____

29

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status _____

PLANNING

scale _____ date _____

1:100@A1

24.08.21

drawn by _____

GM/AB



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