

Lighting Specification Note

**Land at Clanna, Dean Lane, Meopham — Gravesham Borough Council
Discharge of Condition 15 (Lighting)**

1. Introduction

This Lighting Specification Note has been prepared to provide further detail on the proposed external lighting and confirm the fitting type in response to comments from the Kent County Council Ecological Advice Service.

The proposed lighting strategy has been developed to minimise impacts on biodiversity, maintain dark corridors, and avoid unnecessary illumination of ecological features, including hedgerows, ecological buffer zones and habitat areas.

2. Proposed Lighting Fittings

External lighting associated with the development will comprise low-level wall-mounted LED luminaires designed specifically to minimise light spill and avoid upward light emission.

The fittings will be:

- Hooded or cowled LED bulkhead or directional downlight units
- Warm white colour temperature not exceeding 3000 Kelvin
- Fully shielded to direct light downward only
- Equipped with integrated PIR (passive infrared) motion sensors
- Low output suitable for access and safety lighting
- Installed at low mounting heights to reduce light spread

Indicative fitting type:

Dark Sky compliant hooded LED wall light with PIR sensor, or equivalent meeting the above performance criteria.

Final product selection will comply with these parameters.

3. Lighting Design Principles

The lighting layout has been designed in accordance with established ecological good practice to:

- Minimise light spill beyond the immediate area of need
 - Avoid illumination of boundary vegetation, ecological buffer zones and habitat features
 - Maintain dark corridors for nocturnal species including bats and hedgehogs
 - Limit lighting duration through use of motion sensors
 - Provide only the minimum illumination necessary for safe access
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4. Policy and Guidance Context

The proposed lighting approach is consistent with:

- Bat Conservation Trust / Institution of Lighting Professionals Guidance Note 08 — *Bats and Artificial Lighting*
 - National Planning Policy Framework — conserving and enhancing the natural environment
 - Local planning policy requirements relating to biodiversity protection
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5. Installation and Ongoing Management

Lighting will be installed in accordance with this specification and maintained to ensure continued compliance with ecological lighting principles. Fittings will be checked periodically to ensure correct alignment and operation.

No additional external lighting will be installed without prior review to ensure ongoing protection of ecological features.

6. Conclusion

The proposed lighting fittings and design approach provide a proportionate solution that supports safe use of the site while ensuring minimal ecological impact. The information provided is submitted to support the discharge of Condition 15.