



117.0m

Cedar Mount

10m ecological buffer and boundary hedgerows maintained as dark corridor: expected spill <0.5 lux. No luminaires within buffer.

Clanna

Paddock

Condition 15 - Lighting & Lux Contour Plan

Indicative expected light spill from low-output, hooded PIR LED fittings

- 10 lux contour
- 5 lux contour
- 1 lux contour
- 0.5 lux contour
- Luminaire location (L1-L3), directed away from buffer

No additional external lighting to be installed without LPA approval.

Key

DR = Dayroom

T = Touring Caravan

S = Static Caravan

Grass Paddock

Hardstanding

Cesspit

Panel Fencing

Post and Rail Fencing

10m Ecological Buffer – No Built Development or Ground Disturbance

Native hedgerow

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PROJECT:

Clanna, Dean Lane,
Meopham, Gravesend DA13 0BS

TITLE:

Proposed Block Plan

CLIENT:

D Tebbutt

DWG REF: T1249-003

REV: A

SCALE:

1:500

DRAWN BY:

BL

APEX
STRATEGIES

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Lighting specification summary

L1-L3: low-level wall-mounted hooded/cowled warm-white LED PIR bulkhead/downlight, max 6W / 600 lm, CCT <=3000K, beam angle max 60 degrees, ULR 0%.
Mounting height: approx. 1.8m above ground level on the western/service side of the dayroom, static caravan and touring caravan only.
All fittings to be downward-facing, fully shielded and PIR controlled with short timer. No permanent dusk-to-dawn lighting.

0 25m
Scale = 1:500

Condition 15 Lighting Specification Note

This note supports the lux contour plan for Clanna, Dean Lane, Meopham and addresses the request for exact luminaire specification and expected light spill. The lighting has been designed in accordance with the principles of Bat Conservation Trust Guidance Note 08/23. External lighting is restricted to the minimum required for safe access on the western hardstanding/service area only. No luminaires are proposed within the 10m ecological buffer, paddock, hedgerows or eastern/southern/northern boundary vegetation.

Ref	Location	Mounting	Luminaire specification	Control	Expected spill
L1	Touring caravan - west/service side	Approx. 1.8m AGL	Hooded/cowled LED PIR bulkhead/downlight, max 6W / 600 lm, <=3000K warm white, max 60 degree beam, ULR 0%, IP65 or equivalent	PIR only, short timer; no dusk-to-dawn operation	0.5 lux contour retained within hardstanding
L2	Static caravan - west/service side	Approx. 1.8m AGL	As L1	As L1	0.5 lux contour retained within hardstanding
L3	Dayroom - west/service side	Approx. 1.8m AGL	As L1	As L1	0.5 lux contour retained within hardstanding

Lighting impact and biodiversity safeguards

The luminaires are directed downward and westward over the immediate service/hardstanding area and away from the ecological buffer and boundary hedgerows. The expected 0.5 lux contour does not extend into the 10m ecological buffer or onto retained/new native hedgerow, thereby maintaining dark corridors for bats, hedgehogs and other nocturnal fauna. Lighting will operate only when triggered by PIR sensor and will remain off at all other times. No additional lighting, floodlighting, pole-mounted luminaires or lighting to the paddock/buffer area is proposed. All installed fittings shall accord with the specification and locations shown on the approved plan and shall be maintained thereafter.

Suggested condition compliance wording

External lighting shall be installed only in the locations shown as L1-L3 on the approved Lighting and Lux Contour Plan. The fittings shall be hooded/cowled, downward-facing, warm white (not exceeding 3000K), PIR controlled, with no upward light spill and no permanent illumination. No additional external lighting shall be installed unless first approved in writing by the Local Planning Authority.