



Notes

- This drawing is provided for planning purposes to show the external lighting strategy, and should be developed at technical design stage.
- Luminaire positions are indicative and will be subject to final site layout.
- Levels of illuminance are calculated and shown at ground level. Calculations are based on luminaires at full output/ maintenance factor = 1 to represent the worst case scenario for assessment purposes.
- The model is based on calculations on a flat ground plane. No topography or proposed levels have been built into the calculation model.
- All existing external lighting (if applicable) is to be removed.
- Isoline contours represent values of illuminance calculated in lux.
- The lighting design has been provided in accordance with the Clients requirements, instruction and risk assessment. The lighting provided is intended to aid in wayfinding only - and not to provide task illuminance.
- Lighting has been specified in accordance with the recommendations within the Institute of Lighting Professionals (ILP) and Bat Conservation Trust (BCT) (2023) Guidance Note 08/ 23 Bats and Artificial Lighting in the UK.
- The environmental lighting zone for the site is assumed to be E2, in accordance with a low district brightness area in a rural location. The proposed lighting has been designed to the parameters of an E2 zone, in accordance with the ILP Guidance Note for the Reduction of Obtrusive Light (GN 01).
- All luminaires have been specified in 2700K warm white to minimise the impact on bats.
- All lighting proposed will be downward directional with 0% upward light output.
- All recessed downlights (X1) to operate via a standalone PIR motion sensors activated on a short 1-2 minute timers.
- Wiring schematics and full details of equipment locations to be provided at the technical design stage.
- No obstruction or planting shall hinder access to the column base compartment or the light distribution from any luminaire/ lantern.
- This drawing should be read in conjunction with all relevant architectural, structural, mechanical and electrical services information.
- This design is based on a desktop study, on the information provided by others, with no site visit having been undertaken. The use of this drawing does not absolve the client from his responsibilities under the Health and Safety: The Construction Design and Management Regulations 2015. The Contractor should undertake a thorough Risk Assessment prior to undertaking any installation works.
- Refer to accompanying Designers Risk Assessment for details of design risks identified.
- Scaled for planning purposes only.
- All measurements are in millimetres unless stated otherwise
- All symbols used are generic and should not be considered as true representations of size or dimensions of actual luminaires.
- Based plan produced on 22 October 2025 from the Ordnance Survey National Geographic Database and incorporating surveyed revision available at this date.
- This map shows the area bounded by 389426 143691,389626 143691,389626 143891,389426 143891,389426 143691.
- Crown copyright and database rights 2025 OS 100054135. Supplied by copla ltd trading as UKPlanningMaps.com a licensed Ordnance Survey partner (OS 100054135).
- Data licence expires 22 October 2026. Unique plan reference: v4g/11329399/1781868.



This Drawing is protected by Copyright. It may not be reproduced in any form or by any means for any purpose without the written consent of The Lighting Bee Ltd. Scale for planning purposes only. All Dimensions to be checked on Site and verified prior to commencing Works / Manufacture. Any discrepancies to be reported to The Lighting Bee Ltd. These Drawings reflect the layouts for the purposes of planning stage design only (up to RIBA Stage 3). The Contractor shall be responsible for producing their own Working and Co-ordination drawings prior to commencing their installations. If these drawings are used for Construction purposes it is done so at the Contractor's Risk.

Luminaire Legend

X1
IP65 rated, recessed downlight luminaire, mounted within the soffit. As Astro Kos Recessed or equal and approved.
Fitted with a GU10 lamp holder. LED, 2700K, 255lm / 3.5W, lamp to be installed.

(Photometric data for calculation purposes is based on the bare lamps, as photometric data for the entire luminaires are not available.)

Isoline Legend

- = 10 Lux
- = 5 Lux
- = 4 Lux
- = 2 Lux
- = 1 Lux
- = 0.5 Lux
- = 0.2 Lux

P01	Preliminary Issue	TB / BB	29.10.25
Rev	Details:	By / Reviewed	Date



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CLIENT
Ian Cadzow

PROJECT TITLE
The Old Rectory
Bishopstrow

DRAWING TITLE
External Lighting Strategy
Levels of Horizontal Illuminance Shown at
Ground Level from External Lighting Only
Full Output Shown (MF=1)

SCALE AT A1
1:100

DISCIPLINE
Lighting

DRAWING NUMBER
1791-LB-EX-XX-DR-E-7080-21

Project - Originator - Zone - Level - Type - Role - NBS class - Sequential Number

STATUS
Preliminary

ISSUE
P01