

## **WILDLIFE SENSITIVE LIGHTING**

**Planning Reference: DC/23/02725**

**Date: 10<sup>TH</sup> NOVEMBER 2023**

**Prepared by: C&K Smith Ltd in conjunction with DCS Ecology**

### **13. ACTION REQUIRED PRIOR TO OCCUPATION: WILDLIFE SENSITIVE LIGHTING DESIGN SCHEME**

Prior to first use/occupation of the dwelling hereby approved: a lighting design scheme for biodiversity shall be submitted to and approved in writing by the local planning authority. The scheme shall identify those features on site that are particularly sensitive for bats and that are likely to cause disturbance along important routes used for foraging; and show how and where external lighting will be installed so that it can be clearly demonstrated that areas to be lit will not disturb or prevent bats using their territory.

#### **INTRODUCTION**

The following strategy has been designed following recommendations from DCS Ecology Preliminary Ecological Appraisal.

The principal contactor, JRF Developments will be responsible for both implementing and maintaining the following strategy. Please note that JRF Developments is both contractor and owner of the property. The property is to be retained by JRF Developments, however, if disposed of in the future the new owners will be responsible for the maintenance.

#### **DESIGN CONSIDERATIONS**

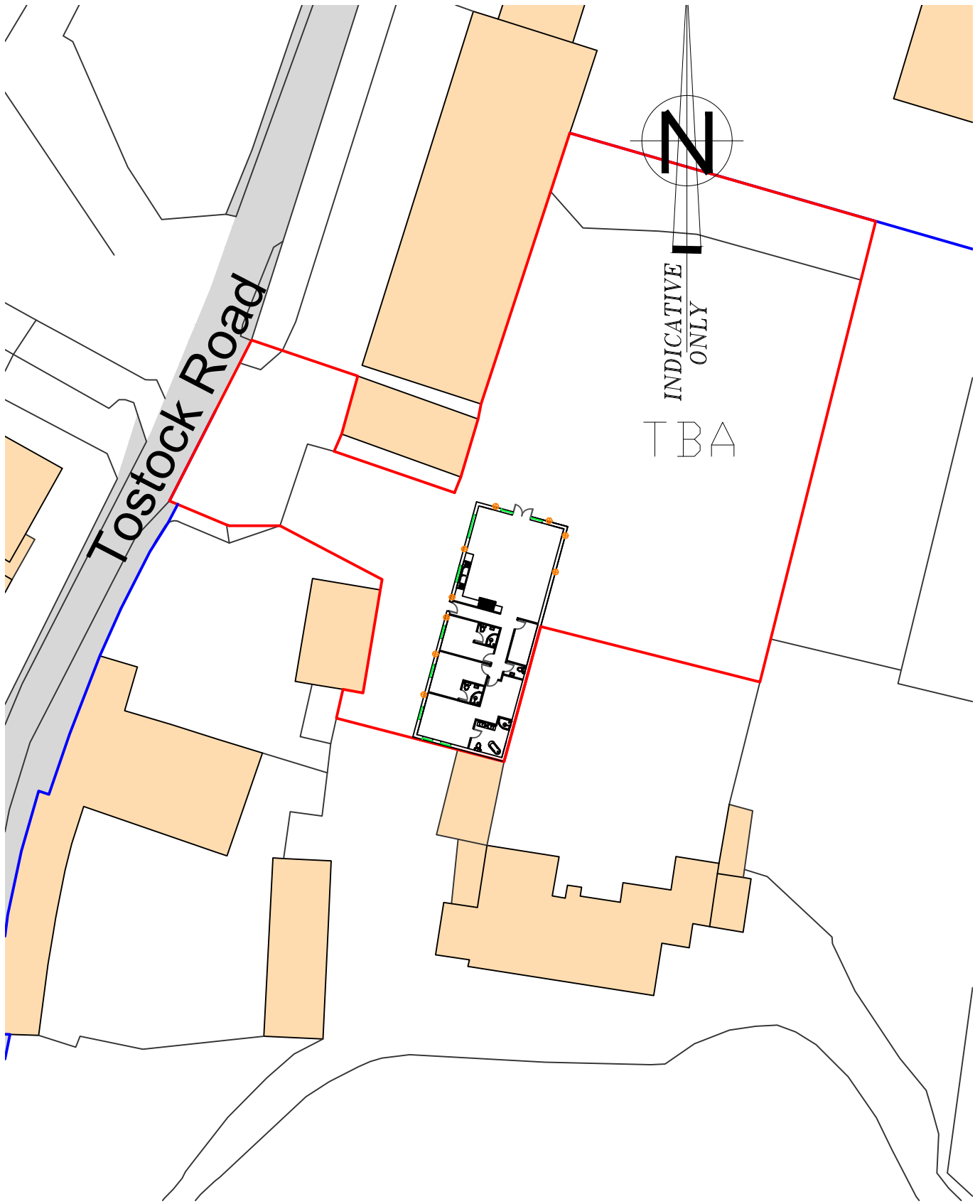
It was noted in the Preliminary Ecological Appraisal (April 2023) that there was negligible roosting potential for bats in the direct vicinity of the proposed dwelling, however, the mature landscaped area; in particular the North boundary had potential for foraging.

When considering the lighting design, it was important to ensure that no light spill could affect the northern area of the site and is minimal throughout the development.

#### **PROPOSAL**

KSR – KSRFRD374 (see Appendix A) will be installed in the soffit in 9no. locations around the dwelling; this will reduce the spread of light while making the areas around the dwelling serviceable (see Appendix B for locations).

The lighting will be switchable and on a time clock to ensure that they are used efficiently as well as produce minimal light pollution.



- Site Boundary
- Ownership Boundary
- ⊕ Proposed KSRFRD374 Lighting

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Drawing Number:- Appendix B - Lighting Design  
 Drawn by:- Craig Smith      Amended:-      -  
 Checked by:- JRF              Sheet:-      1 of 1  
 Date :- 10.11.23              Scale:-1:500 @A4 Size

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Read these instructions before commencing installation. Please give these instructions to the owner/occupier after installation to retain for future reference/maintenance.

IP65 240V~50Hz 7W

These fittings are Class I and must be Earthed

**Important Information**

It is recommended that these luminaires are installed and fitted by a qualified electrician ensuring the installation complies with current IEE wiring regulations & local building control. These products are designed for connection to a 240V~50Hz supply. Any faulty, broken or damaged luminaires should be replaced immediately. KSR will not accept responsibility for any claims arising from a poor installation. Please Note: The limited warranty shall be deemed null and void in the following circumstances: Failure by the installer, end user or any third party to exercise caution to protect any covered product or part from outside damage, adverse temperature (normal operating ambient temperature -10 ~ +35°C), humidity conditions, fluctuations in the electrical system or physical abuse as well as failure related to workmanship in the installation of the products or parts.

**Important User Advice**

Always switch off mains supply before servicing. This luminaire is suitable for indoor use only and should not be fitted to damp or wet surfaces such as freshly plastered or painted ceilings. Do not use Megger or similar high voltage instruments. Due to the fact this luminaire contains electronic components that maybe damaged by high test voltages, they must be disconnected from the circuit before testing. To prevent damage to the driver, do not mix with conventional magnetic ballasts on the same electrical circuit. At the end of life the luminaire is classed as WEEE under directive 2014/30/EU and should be disposed of in accordance with local legislation.

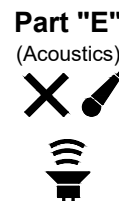
**Installation Procedure**

KSR recommends that a sample hole is cut in some scrap material to familiarise yourself with the installation. Once you are completely satisfied: Locate the area's suitable to install these luminaires. Cut a 70-72mm round hole in the ceiling and ensure sufficient ceiling void without infringing on joists, water pipes or electrical cables. Connect the mains supply to the connector block (Blue - Neutral, Yellow/Green - Earth and Brown - Live). The terminal allows mains loop in/loop out connections, if not looping through either of the L, E & N inputs can be used. Install the terminal cover/strain relief by pushing down until it grips the outer cable insulation. Select the preferred colour temperature by sliding the selector switch to either WW - Warm White, NW - Neutral White or CW - Cool White. This must be done before the luminaire is powered on. Press springs back and place luminaire body into aperture. If you are installing one of the KSR detachable rims remove the standard white rim by pulling the trim off of the main fitting, do not twist the trim. Attach new trim by pushing and snapping it into place. This downlight can be covered with mineral wool insulation.

\*Please note: Depending on the amount of Qr fittings on a circuit you may have to upgrade the breaker to a 'C' or 'D' type due to the way electronic LED drivers start up with higher inrush currents compared to halogen lighting. If dimming see the recommended dimmers list over the page or visit [www.ksrlighting.com](http://www.ksrlighting.com) for information on the latest compatible dimmers any other questions please call our sales office on 023 92 674343.

**WARNING:** Do not change the CCT of this downlight with the product switched on, all changes must be done with the power off.

ØRim Size	ØCut out	Void Depth Req'd
85mm	70-72mm	100mm



**Part "C"**  
Compliant  
Stops moisture & air flow through the luminaire

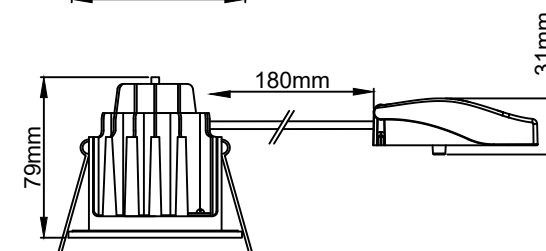
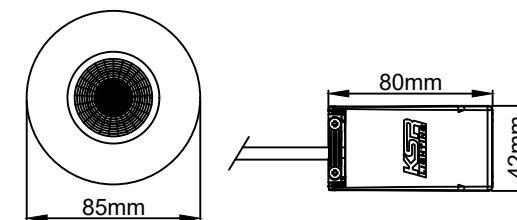
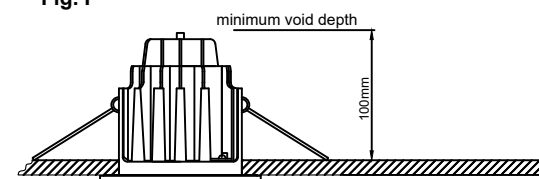
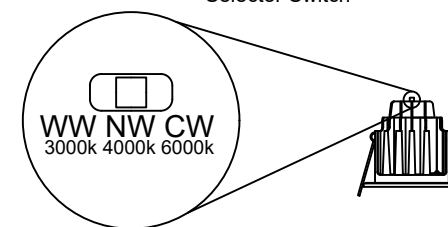


Fig. 1

KSRFRD374

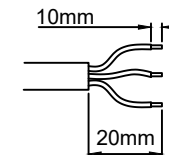


Colour Temperature Selector Switch



**Installer Note:**

To ensure a good connection strip back 10mm of insulation and push the cable firmly into the terminal block.



CCT Selection	Lumens
WW - 3000K	577
NW - 4000K	652
CW - 6000K	577

**This product contains a light source of energy efficiency class G**

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