



CINCH Storage, Unit 3, New Wharf, Brighton Road

Shoreham-by-Sea, West Sussex

Planning Application Number – AWDM/0671/25

External Lighting Proposal for Planning – Summary

1. Introduction

Jnoad Ltd are experienced building services design consultants and were appointed to design a suitable scheme for the external illumination of the storage facility, for the consideration and approval of the local Planning Officer.

2. Brief

The proposed CINCH storage building will provide a storage Facility for the public use with access available from 7AM to 9PM any day.

During hours of darkness, the external lighting shall provide visitors with a suitably illuminated route for ingress and egress from the building and car park and to the external container storage units without detrimental effect upon the local “lit” environment as required.

When designing for adequate security/nighttime illumination, the following fundamental requirements have been considered;

- a) Minimise any disturbance of the nighttime wildlife
- b) Minimise disturbance of the neighbouring areas adjacent to the site
- c) Control upward illumination
- d) Control lighting glare

3. ILP Guidelines

The zone “E3” is defined as being within a suburban area, with medium district brightness.

The appropriate limitations of illuminance that are provided within the ILP guide are summarised as below, for Zone E3;

- Maximum values of vertical illuminance on premises,
Pre-Curfew (before 23.00hrs) - 10 Lux

- Limits for the luminous intensity of bright luminaires
Pre-Curfew - 10,000 cd
- Limitation of Skyglow (ULR) to 5%
- Maximum values for upward flux ratio of installation, 8%
- Maximum permitted values of average surface illuminance of the Building
Facade - 10cd/m²

4. General Arrangement

To meet the requirements, we propose an external lighting comprising illuminated wall lights on the building facade as indicated on the accompanying plan drawing.

- Ref A 5no. directional floodlights at approx 5m AFFL along the frontage and disabled parking space, as CLS FL3
- Ref B 6no. downward wall lights at approx. 3m AFFL along the side, access to external storage as CLS SV COSMOS

5. Lighting Controls

The whole external lighting system should be controlled by an external daylight sensor and timeswitch and the lighting fittings are low energy LED type with 4000k colour temperature.

Where necessary the lights will have a switched variable output to adjust the illumination output at commissioning using dip switches on the local integral LED drivers.

6. Lighting Calculations

Refer to attached technical calculations provided by the lighting specialist supplier, CLS Ltd. The calculations have been carried out using a specialist design programme and the photometric data of the selected light fittings.

Generally, the results show minimal light spill into the surrounding areas as required, however there is some illumination from light reflected off the illuminated surfaces.

The results do not include any other lighting that may already be present and considers only the proposed site lighting.

7. Luminaire Data Sheets

Please refer to the appended CLS luminaire data sheets for the proposed lighting fittings, references A and B on the elevation drawings.

A.C.Blair

Jnoad Ltd

04.09.2026