

LIGHTING DETAILS

Minagish Hound Road Netley Abbey H/23/94697

Erection of a one and a half storey side extension.

Discharge of Planning Condition 6: Lighting Plan

Proposed Lighting plan

General internal lighting:

All lighting will be solid state Light emitting diodes (SSLED), which will for a large proportion of the year will be powered indirectly by solar energy. For the avoidance of doubt minimal use of the Distribution Network Operator supply.

Further to reduce radiated light spill out of the rooms (Family room and Master bedroom) that face the "Sites of Importance for Nature Conservation" (SINC) SSLED down lighters controlled via lumen reducing apparatus will be the majority lighting solution. All ceiling mounted luminaires will be fire-rated with a radiation temperature of 3000 Kelvin with a beam angle chosen to minimise spill of radiated light beyond the windows and doors (c. 60 Degrees).

Family room:

Refer to H/23/94697 Drawing 41126 125

7 x 6 W of the SSLED down lighters shall be used mounted in the ceiling, to minimise direct radiation of the SINC. The only exception to this will be the addition of one pendent luminaire in the dining area, however it will be ensured that this luminaire has a downward facing shade to minimise spill of radiated light.

Blinds on the invis-fold doors and window facing the SINC will be provided to further reduce light spill.

Master bedroom

Refer to H/23/94697 Drawing 41126 126

3 x 6W of the aforementioned SSLED down lighters shall be used mounted in the ceiling, to minimise direct radiation of the SINC. The only exception to this will be the addition of 2 x 3W directional SSLED 'bedside' luminaires.

Blinds or curtains on the windows will be provided to further reduce light spill, and obviously to provide privacy.

External lighting:

Refer to H/23/94697 Drawing 41126 125

All lighting will be solid state Light emitting diodes (SSLED), which will for a large proportion of the year will be powered indirectly by solar energy. For the avoidance of doubt minimal use of the Distribution Network Operator supply.

There is a balance to be struck with ensuring the safety of occupants of Minagish whilst using the patio area (there is a drop of c. 1.7m to the Terra firma and whilst it will have a fence any sight impaired occupants need to be protected.) whilst minimising light spill into the SINC.

It is proposed to use 2 x 6W aforementioned SSLED down lighters mounted in the west elevation mounted in the apron 'ceiling' approx. 1000mm from the wall of the extension and radiating light angled inwards and downwards to reduce spill beyond the patio area.

It is also proposed to provide luminaires in the stair area of the South and North elevations for the safety of occupants using said stairs, again these will be downward facing.