DESIGN AND ACCESS STATEMENT
GROVE COTTAGE
INSTALLATION OF TRADITIONAL WALL LIGHTS TO THE FRONT OF THE PROPERTY

Justification for the Wall Lights

Grove Cottage is located at the end of Malting Lane, Ellington. Malting Lane does not benefit from street lights.

This application is to remove the three existing front door lights and to install 4 traditional external lights in at the front of Grove Cottage to provide soft illumination of the property at night and to provide additional security.

DESIGN

Lights



- The aluminium and glass outdoor lamp is finished in a bronze colour. It has a depth of 17.8 cm, a height of 31.8 cm and a length of 15.1 cm. The mounting plate has a depth of 2.5 cm, a height of 16 cm and a length of 10.8 cm. Due to its IP23 rating, it is rainproof and suitable for the sheltered location under the thatch.

- The lead-light pattern within the glass has been chosen to blend in well with design of the front windows.

- If the chosen light fitting is unacceptable to the LPA/CO then the applicant is willing to discuss an alternative design.



Junction Box

A Wiska, black junction box will be placed at the front of the property, to the left of the door, on one of the black painted beams to supply cable from the inside isolator.

Dusk to Dawn Sensor

The lights will be controlled by a single dusk to dawn 'mushroom' sensor which will be placed to the left of the front door, mounted on a black painted wooden beam, to minimise its visual impact.

- A superior dusk to dawn sensor that will switch your lighting on at dusk and off again at dawn.
- Will switch up to 1200w Tungsten or 2 x 400w high pressure sodium/metal halide lamps.
- This super little unit will operates at -20 to +70 degrees
- Suitable for use outdoors
- 2 year manufacturers guarantee
- Voltage: 230-240v
- Wattage Load: 1200w, 2x400w HPS/Metal Halide lamp
- Max Current: 10A
- Light level: ON<20 lux - OFF> 80 lux
- Parasitic power <1w.
- Switching Delay: 10 - 15 Seconds to avoid false switching by car headlights etc
- Height: 135mm; Width: 73mm
- Maximum current 10a, recommended maximum load 1200w for increased working life. In theory, like similar photocell switches 10a means they are capable of up to 2000w but this would mean a shorter relay life.

Advanced Lowenergie Photocell timer switch

- Convenient Energy Saving Auto-Lighting control for external areas
- Ensures your lights are NOT left on all night where midnight to 5AM lighting may not be required. Also ensures lighting is not accidentally left on during the daytime.
- Lowenergie Photocell timer will sense the light level to turn lights on at Dusk, switch off at midnight, turn on at 5AM, switch off at Dawn, timings adjustable
- Advanced internal microprocessor controller will learn seasonal day and night length, no time clock setting required.
- Easy to unplug the sensor head to adjust the time settings when required

Technical Specification - NEW Photocell timer switch

- Voltage - 105-305v
- Maximum Load - 16A Relay rating, typical 1000 watt tungsten, 1800VA.HID
- Delay Time, 20 to 30 seconds
- Operating temperature -30 degC to +70 degC
- Average Power consumption<1 watts
- Materials, Cover:PP UV stabilized, Contacts: Brass
- Suitable for outdoor usage
- Height: 135mm; Width: 85mm
- CE Marked, RoHS Approved



Cable and fixings

Black 3 core 1mm flex cable and black plastic cable clips will be used and attached to the front of the cottage following the black painted beams to ensure any cables remain hidden from view.

There will be two cable runs from the isolator just inside the front door. One cable run will supply four lights to the left of the front door, and the other cable run will supply two lights to the right of the front door.

Stainless steel screws will be used to avoid rust damaging the heritage oak beams.

Existing Front Aspect



Proposed Front Aspect

Remove exiting three external lights (circled in red) located by the front door (above, left, right) and replace with 4 x external lights, mounted on the black wooden vertical beams with all conduit in black to minimise any impact on the listed property.

Measurement of each of the lanterns from bottom of the cottage to the bottom of the thatch, width from edge of far left wall to each lantern and distance between each lantern shown below:

Scale 1:100 – Measurement of width and height of Grove Cottage



7 m to ridge











