

STREET and EXTERNAL LIGHTING

Condition 4 of planning permission O/17/80373 reads:

No development shall start until the following details have been submitted to and approved in writing by the Local Planning Authority:

- a) details and samples of the materials to be used in the construction of the external surfaces of the development;
- b) the alignment, height and materials of all walls, fences and other means of enclosure;
- c) the details and layout of foul sewers;
- d) plans including cross sections to show proposed ground levels and their relationship to existing levels both within the site and on immediately adjoining land;
- e) width, alignment, gradient, sight lines and type of construction proposed for any roads footpaths and accesses;
- f) the provision to be made for street lighting and/or external lighting (lighting shall be designed and located to minimise light spillage and avoid impacting on flight corridors used by bats);**
- g) the provision to be made for the parking of vehicles;
- h) the provision to be made for the storage of cycles and bins; and
- i) a landscaping scheme to cover all surfacing, trees and planting .

The development shall not be occupied until the approved details have been fully implemented unless agreed in writing by the Local Planning

This document confirms the details required under 4 f)

No street lighting is proposed on this development.

For external lighting on the individual plots, it is proposed that each dwelling is supplied with a half lantern light to the front and rear of the property. The half lanterns, specification below, will be positioned in close proximity to the front and rear doors.

The lantern positioned next to the front door will be P.I.R operated with a two-and-a-half-minute automatic switch off setting and the one by the rear door will be manually operated.



HALF LANTERN + 110°P.I.R.

Description

A decorative polycarbonate vandal resistant Half lanterns with an integral passive infra red detector (P.I.R.). That is designed to illuminate for approximately 2½ minutes when triggered by a moving heat source.

Mains supply - 230V~ 50Hz.

Power Rating: 250W maximum total.

Weather rating: IP44.

Suitable for outdoor use only.

Conforms to BS EN 60598-2-1.

This unit must be wired in accordance with all the latest relevant regulations.

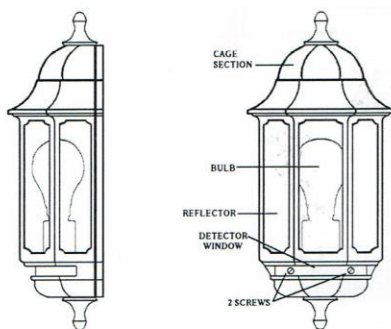
Location and Range

The Half lantern Should be mounted flush to a vertical wall ensuring that the detector head sits underneath the luminaire.

The P.I.R. range is dependent on the mounting height; typical range is 6 metres with a mounting height of 1.7 metres.

Ensure that direct light from any other lamp can not enter the sensor lens.

Product Diagram



Installation

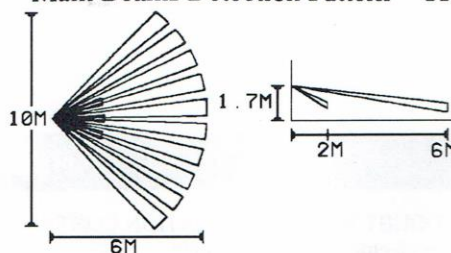
ISOLATE THE MAINS SUPPLY BEFORE WORKING ON THE INSTALLATION.

Avoid mounting the unit near sources of heat such as boiler vents as these could cause spurious triggering.

1. Remove the single screw on the bottom of the lantern. Unhook the front cage section.
2. Mark the wall using the base as a template and drill to suit.
3. Thread the incoming mains cable through the grommet. Fit the base plate to the wall using 2 screws and plugs (not supplied). Seal the cable entry & fixings with silicone sealant.
4. Wire the mains cable to the connector block, following the wiring diagram shown. Connect Live to 1, Neutral to N and Earth to $\oplus$. Note that the unit is a class 2 fitting and does not require an Earth. The Earth connector simply provides a safe place for the earth wire to be terminated or carried through to earth other fittings if used.
5. Fit the lamp
6. Hook the cage onto the top of the back plate and replace the screw.

Typical Beam Pattern

Main Beams Detection Pattern = 110°



The Half lantern P.I.R. is most sensitive when a body is moving across the beam and less sensitive directly into the beam

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