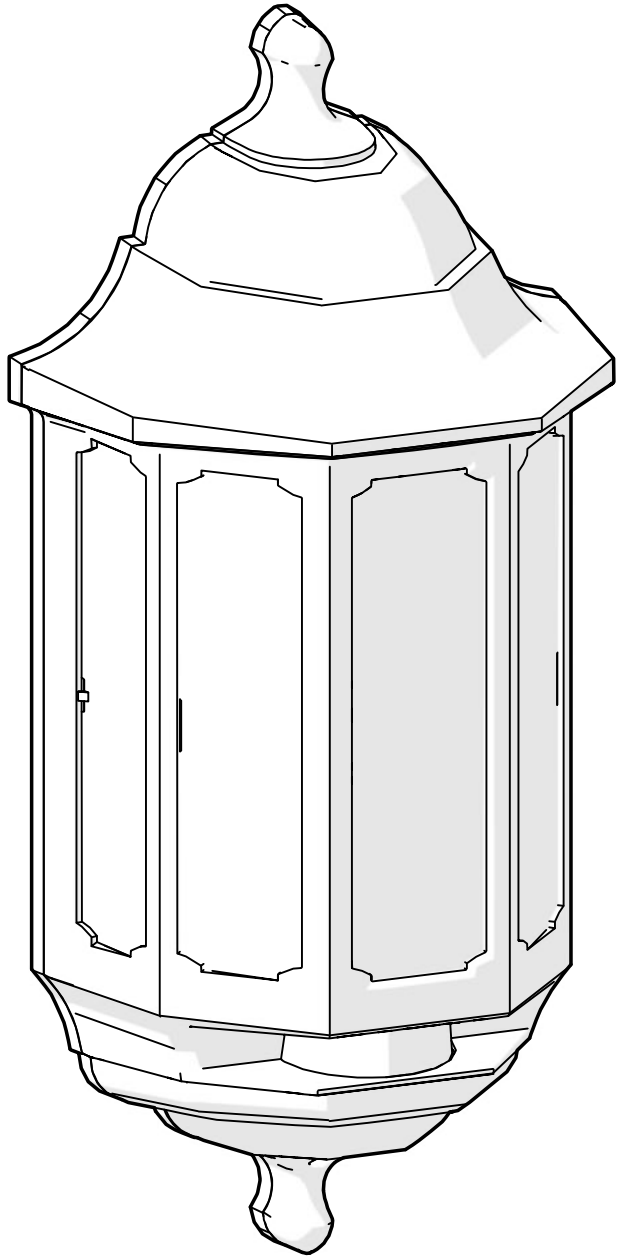
LIGHTING

INSTALLATION INSTRUCTIONS
HALF LANTERN LED RANGE



Description

A decorative polycarbonate vandal resistant family of LED lanterns.
Mains supply: - 230-240V~50Hz
Weather rating: IP44
Conforms to BS EN60598-2-1



Not suitable for dimming circuits.
Suitable for mounting on normally flammable surfaces.
This unit must be wired in accordance with all the latest relevant regulations.
The light source contained in this luminaire shall only be replaced by the manufacturer or their service agent or a similar qualified person.
ASD Lighting accept no responsibility for injury, damage or loss, which may arise as a result of incorrect installation, operation or maintenance.

Variants

Photocell: Unit is fitted with an integral photocell, which automatically switches the lamp 'On' at dusk and 'Off' at dawn.
PIR: Fitting will turn 'On' when triggered by a moving heat source.
HILO: This is designed to illuminate to 10% at dusk then 100% for approximately 3 minutes when triggered by a moving heat source.

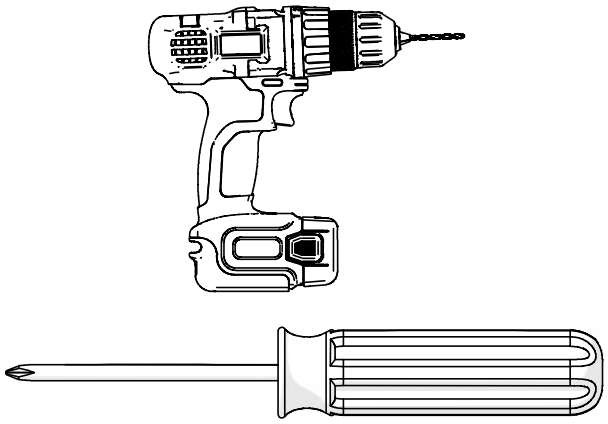
Location

These lanterns are suitable for internal and external use. (Sensor fittings external only)
The unit should be mounted flush to a vertical wall.
Ensure the fitting is suitable for the chosen location and complies with all the relevant building and fire regulations.
Avoid siting the unit with the photocell eye pointing to a dark corner, as it will not receive enough light to turn itself off in the daylight.
Be careful to avoid siting the unit where it can see reflections from itself, i.e. white glossy surfaces such as door canopies and under eves.
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 cannot enter the sensor lens.



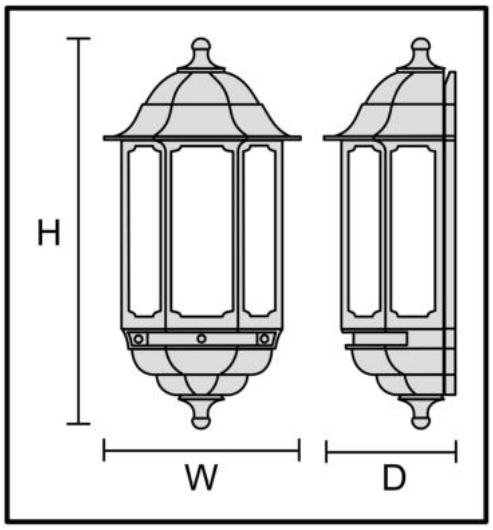
ENSURE MAINS SUPPLY IS ISOLATED BEFORE STARTING INSTALLATION

Tools needed



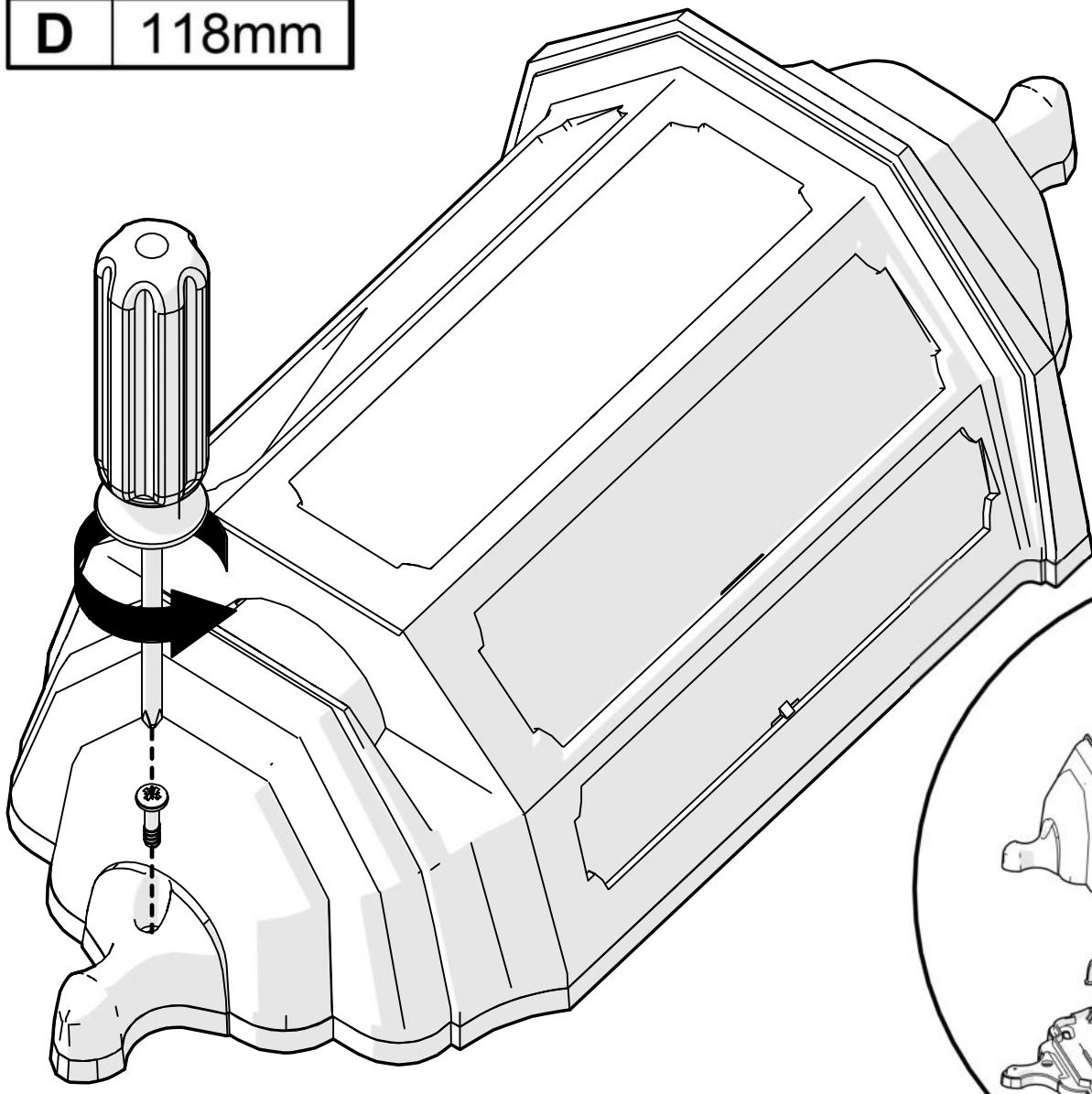
Weather Proofing

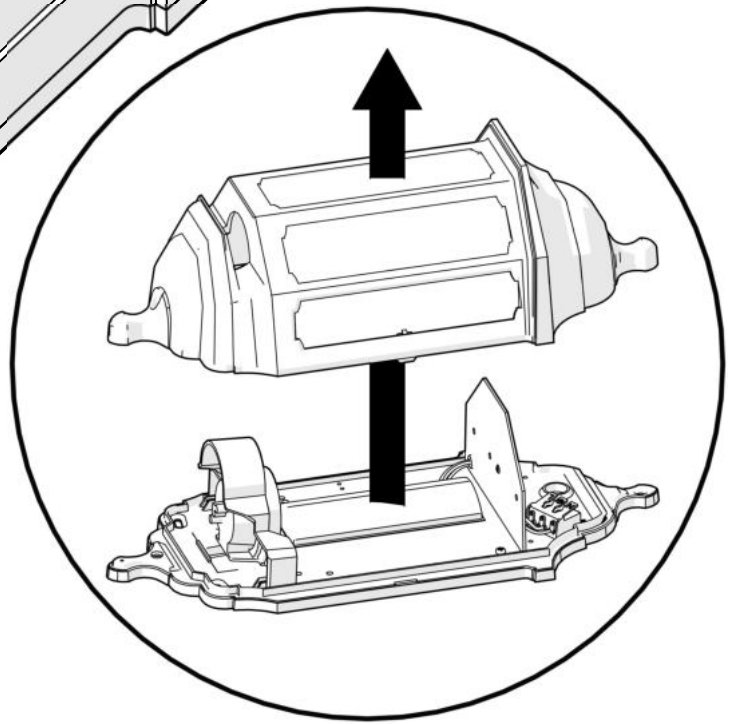
These luminaries are designed to IP44. In order to maintain this standard it is necessary to ensure that all securing screws and the cable entry grommet are sealed with silicone sealant (not supplied).

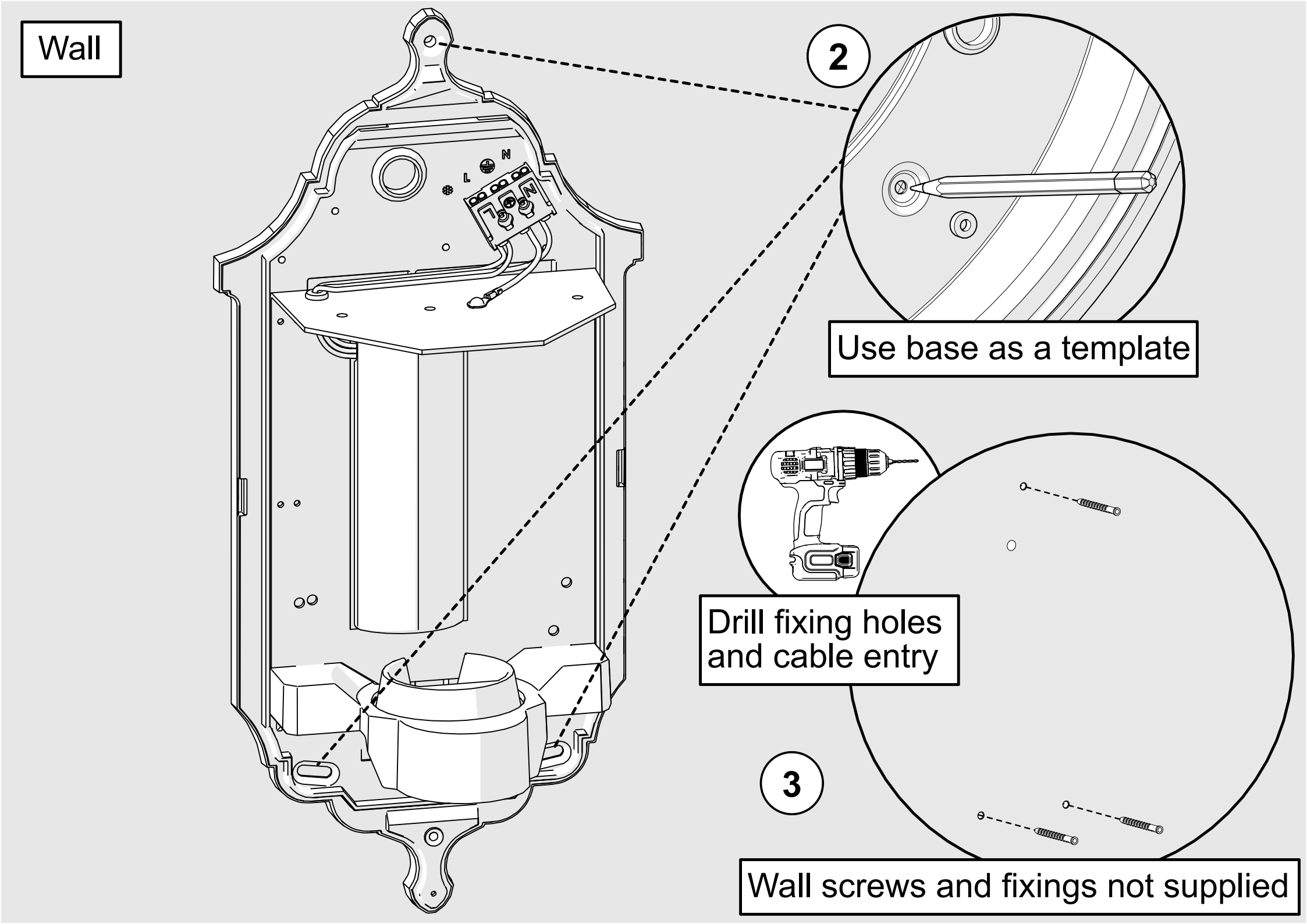


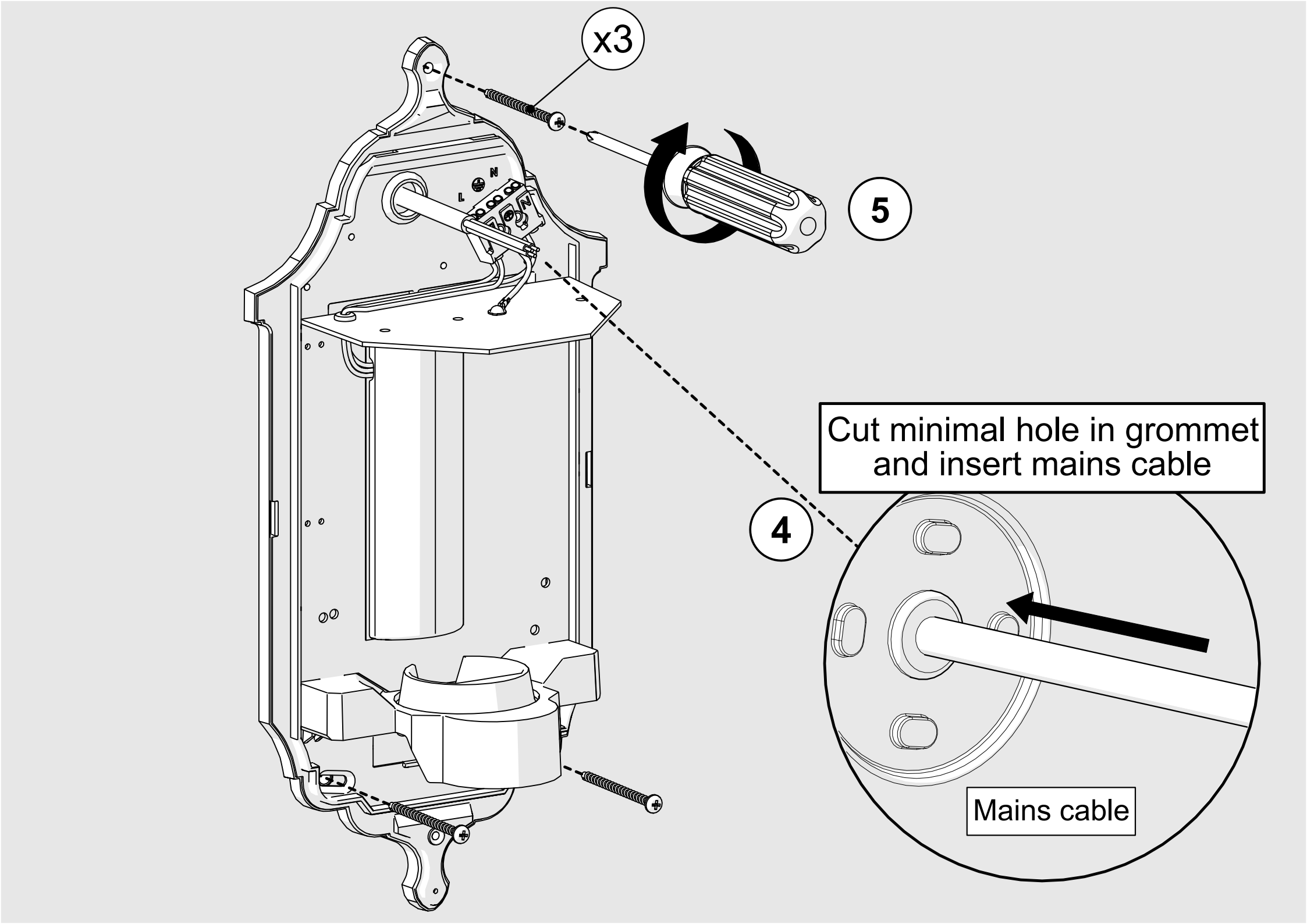
	Size
H	394mm
W	182mm
D	118mm

1

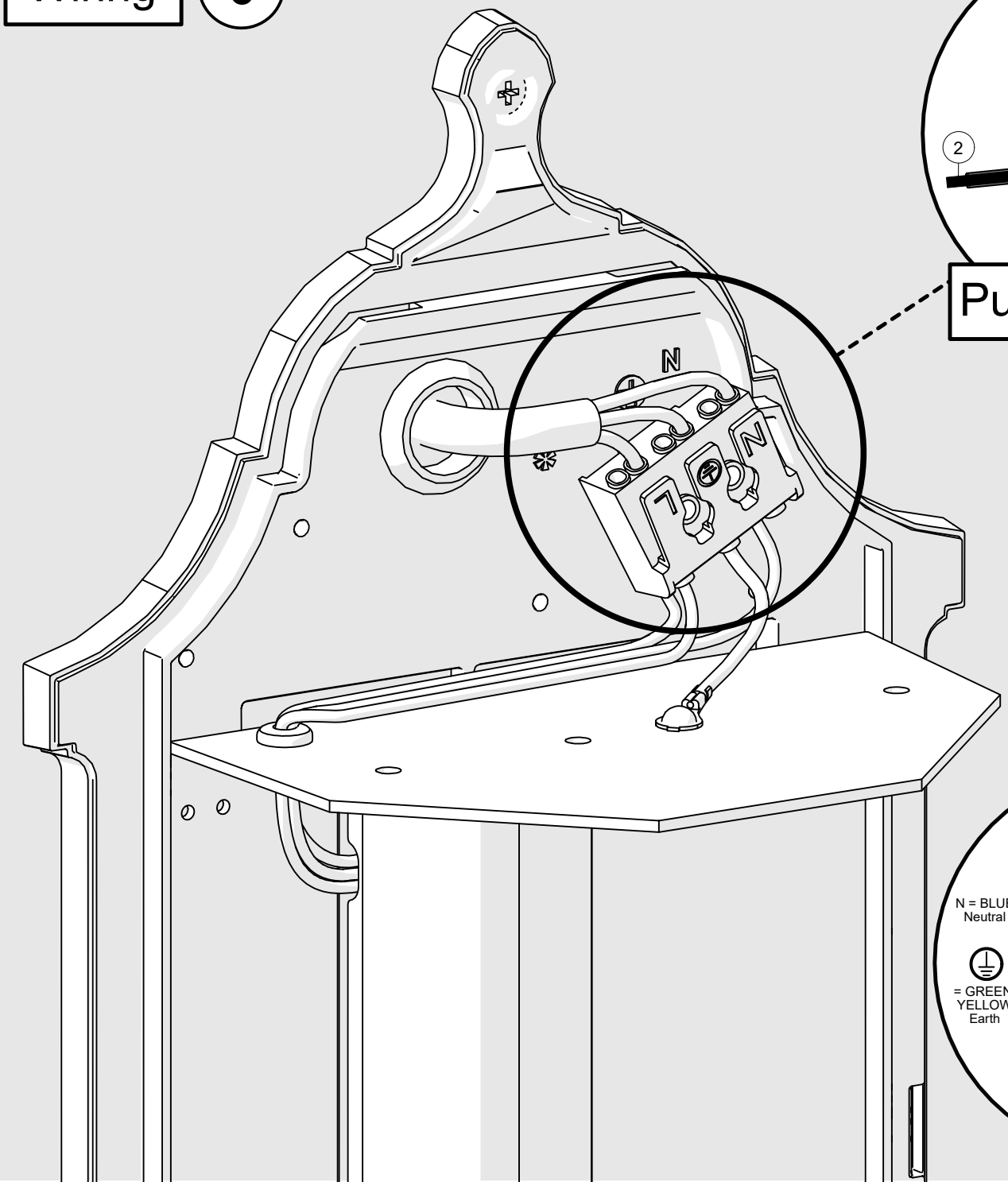


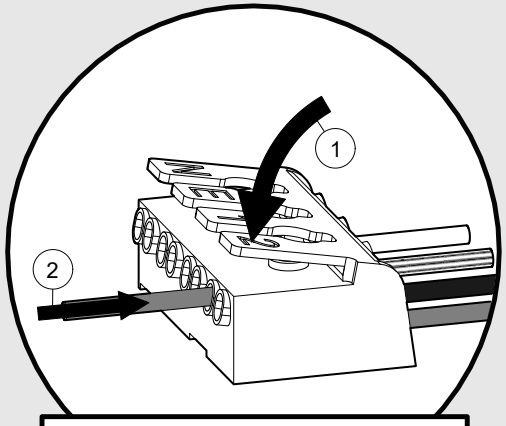



Wall
L
N
2
Use base as a template
Drill fixing holes
and cable entry
3
Wall screws and fixings not supplied

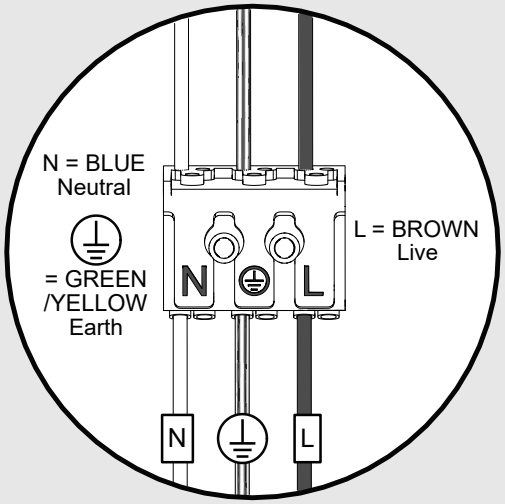

x3
5
4
Cut minimal hole in grommet
and insert mains cable
Mains cable
L
N
N

Wiring 6

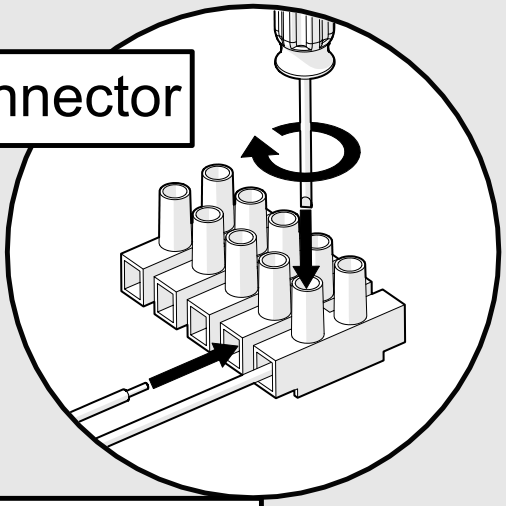




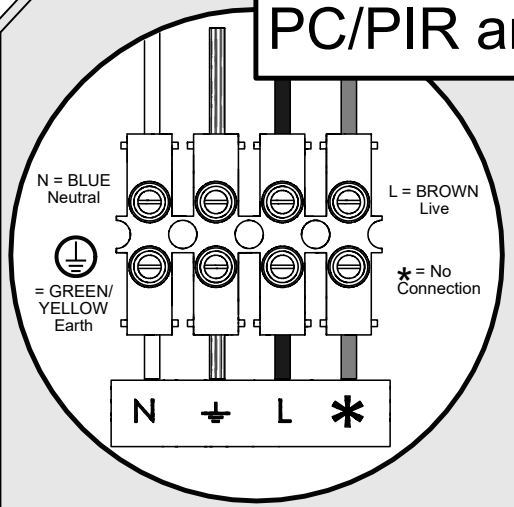
Push connector

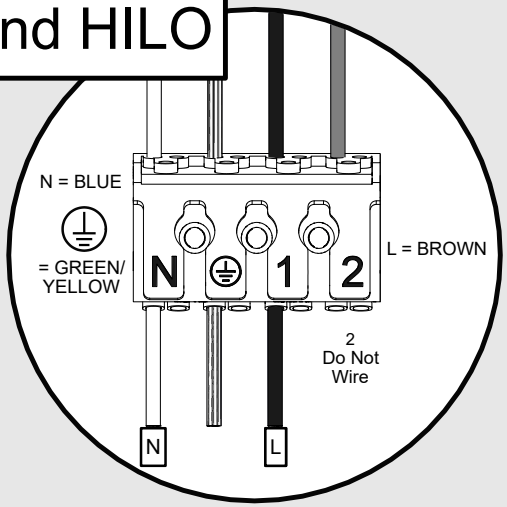


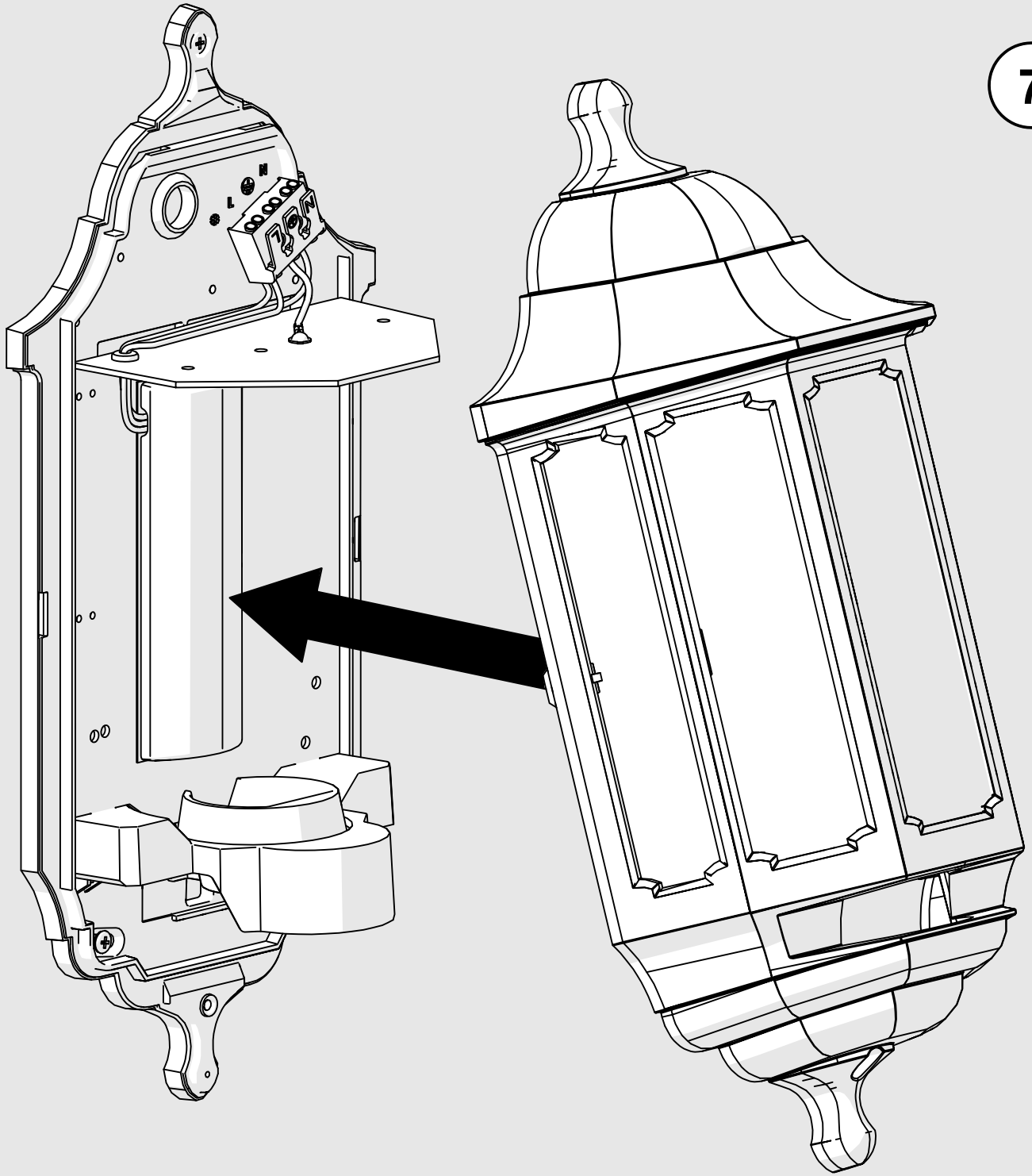
Screw connector



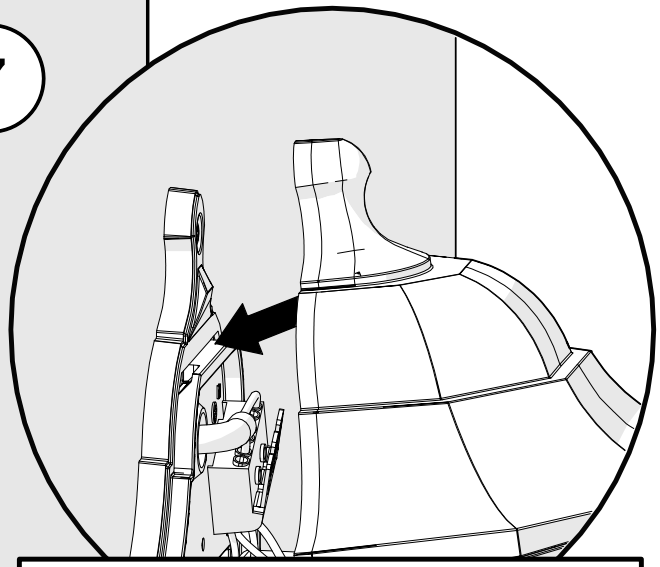
PC/PIR and HILO





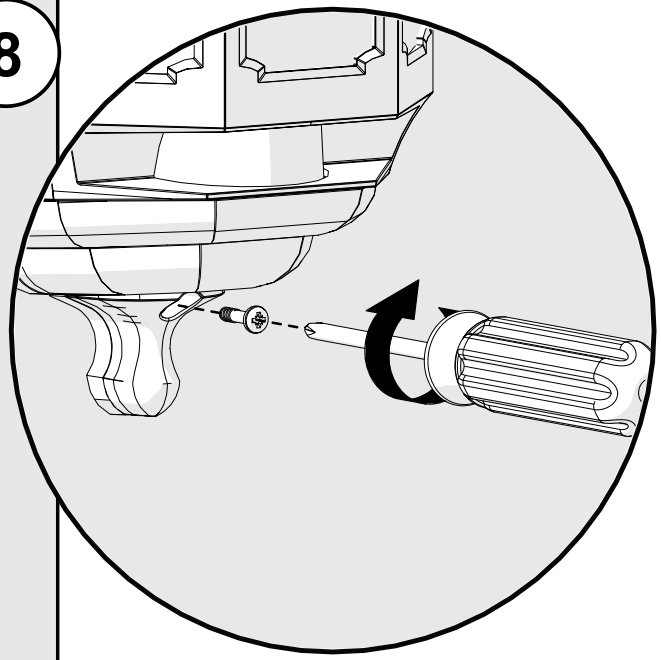


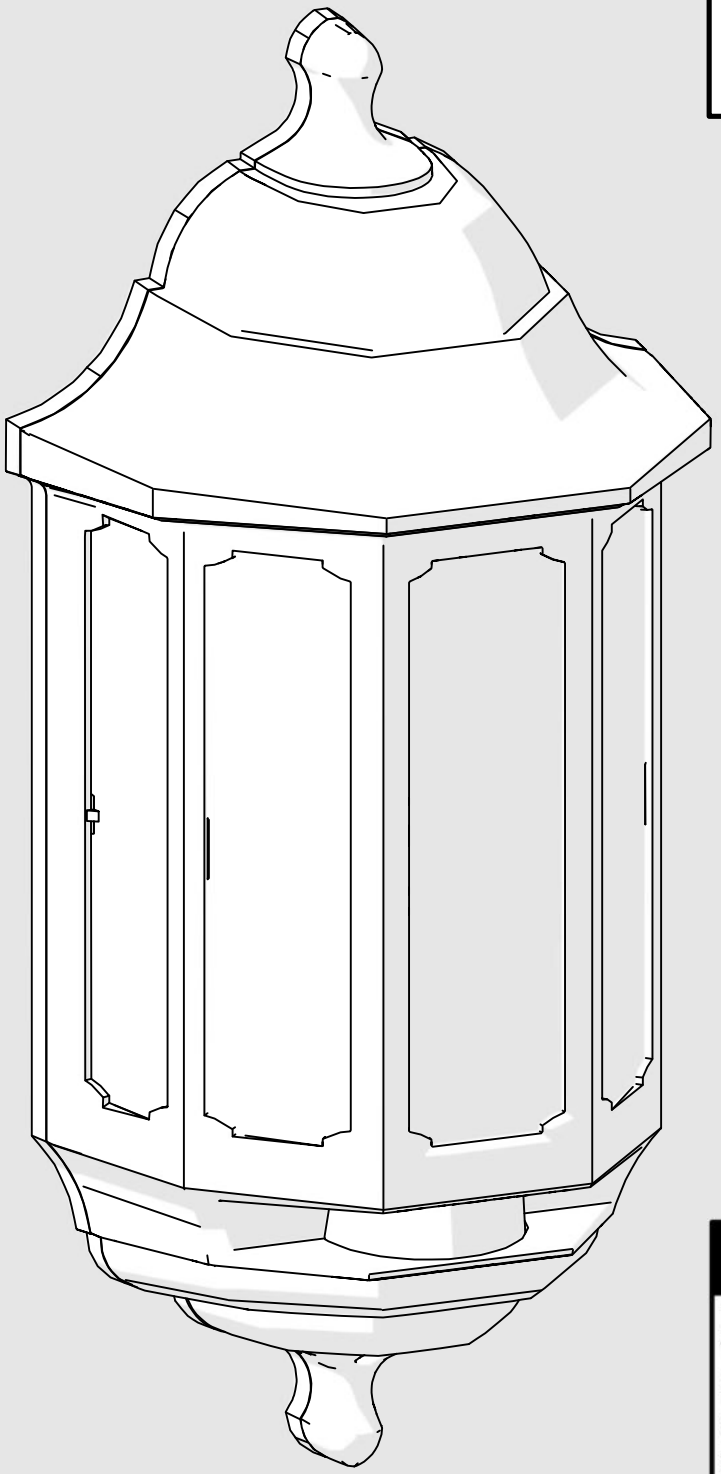
7



Hook the cage onto the top of the back plate

8





REINSTATE MAINS SUPPLY

Further Advice

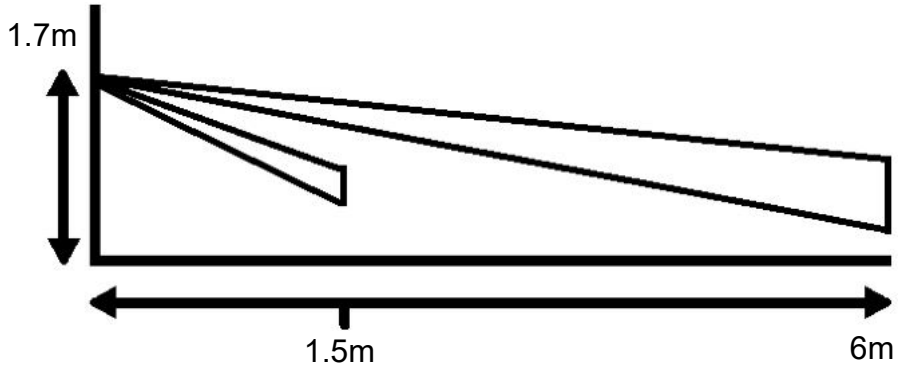
IF IN DOUBT WITH INSTALLATION CONTACT A QUALIFIED ELECTRICIAN.
The manufacturer reserves the right to improve the product specification without prior notice. The Producer of this EEE will finance collection, treatment, recycling, recovery and environmentally sound disposal from the B2B end user of this EEE when it is discarded as WEEE in the UK subject to the WEEE collections policy outlined in our General Terms and Conditions of Sale. This policy is in accordance with Regulation 9.2 of the UK WEEE legislation 2007.

P.I.R. Operation

Day Time Testing

Starting with the switch off rapidly switch the supply to the unit 2-3 times. The unit will then flash 3 times and enter the test mode. When movement is detected by the P.I.R. the lamp will illuminate for a duration of 2 seconds.
If a time period of 35 seconds has elapsed without the P.I.R. being activated, the unit will flash rapidly 3 times before entering the P.I.R. mode (Lamp will not illuminate in daytime due to internal sensor)
This test can be repeated as often as required during daytime hours.
Remember that the daytime walk test is only an approximate guide to the actual sensitivity because of higher background temperatures during the day.
P.I.R. MODE
After permanently switching on the mains supply allow 40 seconds for the unit to stabilise. After which the unit will rapidly flash 3 times before entering P.I.R. mode.

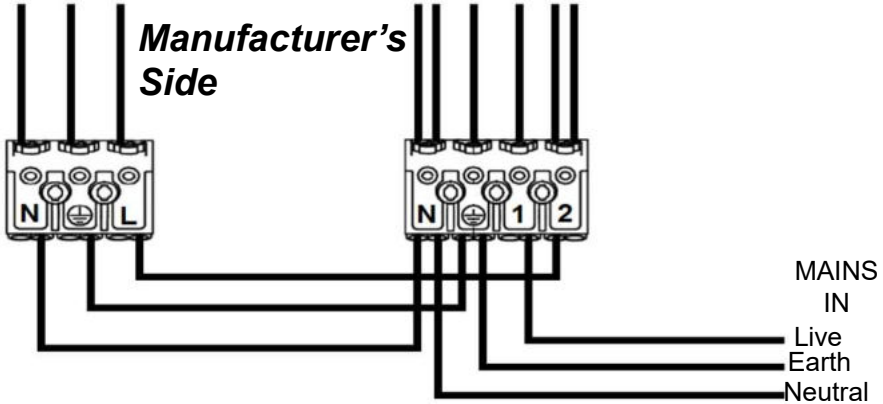
Beam Pattern



Fitting a Slave Unit (control of additional fittings) (PIR only)

Simply connect the additional fittings between the output terminal '2' and the Neutral 'N'. Maximum total load is 1000 Watts.
See diagram:

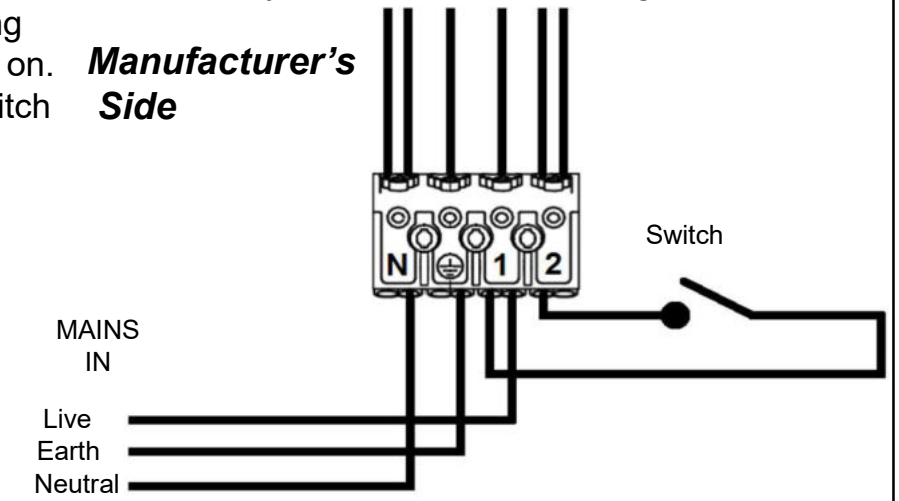
If the slave unit requires an earth ensure that this is connected to the terminal marked '⏚'.



Manual Override (PIR only)

The unit can be used continuously if required. Two ways of achieving these are: -
1. After stabilisation rapidly switch the supply to the unit 2-3 times. The unit will flash slowly 3 times before entering CONSTANT OPERATION MODE. The unit will remain in this mode for approximately 8-hours before entering the P.I.R. mode or reset by turning the power off and back on.
2. Wire an ON/OFF switch between the output '**2**', and '**1**'.

Check wiring before Switching on. Incorrect connection at this stage can damage the unit.



Note if screw connector terminals 1 – 2 will be replaced by L - ∗ respectively.