

Customer Information Service

PHILIPS LIGHTING LIMITED, City House, 420-430 London Road Croydon CR9 3QR

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INSTRUCTIONS FOR INSTALLATION AND USE OF PHILIPS H/SGS 203 RANGE OF LANTERNS FOR ROADLIGHTING

ENSURE THIS INSTRUCTION LEAFLET IS PASSED ON TO END USER

**CAUTION: Ensure electrical supply is disconnected at mains during installation and servicing.
If in any doubt consult a qualified person.**

GENERAL

1. For use in normal outdoor conditions.
2. Degree of Protection: Gear Compartment IP43
Optical Compartment IP54
3. See rating label for rated voltage.
4. Operating position – Horizontal
5. Lantern dimensions – length 610mm, width 315mm, depth 250mm.
6. Lantern weight – Without Gear 4.6kg
With 50W SON Gear 5.8kg
With 70W SON Gear 6.0kg
With 100W SON Gear 6.6kg
With 150W SON Gear 7.1kg
With 250W Son Gear 8.4kg
7. Maximum projected area of the lantern in elevation. 0.13m^2 , in plan 0.17m^2
8. Lantern made in Great Britain.

NOMENCLATURE

There are various versions of each lantern type available, which can be identified from the ordering codes. The following suffixes have the following meanings.

T – Optic for Tubular Lamps
G – With Integral Control Gear
O – Without Integral Control Gear

No Asterisk . . No Photocell Option

*1 NEMA Socket Fitted and Wired

*2 14mm hole for two part cell

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INSTALLATION INSTRUCTIONS

The mounting spigot is supplied loose and should be fitted to the lantern to give either post top entry (fig. 1) or side entry (fig. 2). This is carried out by positioning the spigot in the desired direction, and tightening the two socket head screws supplied.

Ensure there are sufficient lengths of supply cable protruding from the column spigot.

Loosen the spigot clamping bolt (1), feed the cable through the spigot entry and position the lantern on the spigot. Tighten the spigot clamping bolt. (Recommended torque 20Nm).

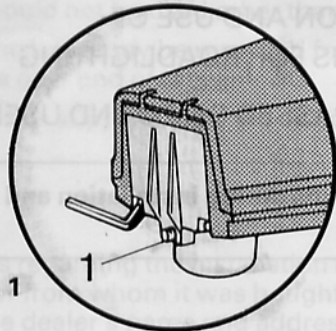


Fig. 1

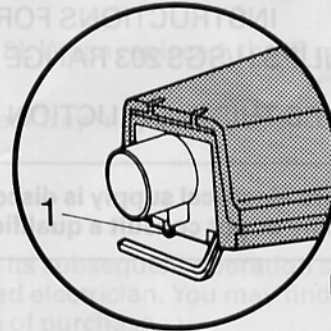


Fig. 2

Release the locking clip (2) at the front of the lantern and hinge the canopy upwards until the retaining clip (3) engages.

Prepare the cable as shown in fig. 5.

Feed the mains supply cable through the cable clamp (4) and wire into the plug and socket terminal block. The neutral connection is marked N, the live connection is marked L and the earth connection is marked \perp .

Adjust the reflector to the desired position by loosening the retaining screw ONE TURN ONLY and sliding the optic.

- Position 1 Reflector furthest away from lampholder
- 2
- 3 Middle position – as delivered
- 4
- 5 Reflector closest to lampholder

Insert the appropriate Philips lamp, ensuring it is fully tightened.

Release the locking clip (fig. 7) and close the canopy.

To replace the bowl open the canopy, remove the lamp and lift out the bowl (fig. 8).

To remove the gear tray open the canopy, remove the lamp, separate the plug and socket terminal block and lift out gear tray (fig. 9).

Fig. 3

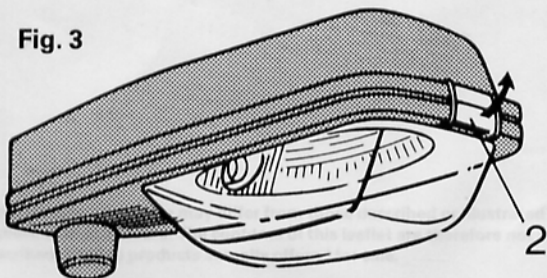
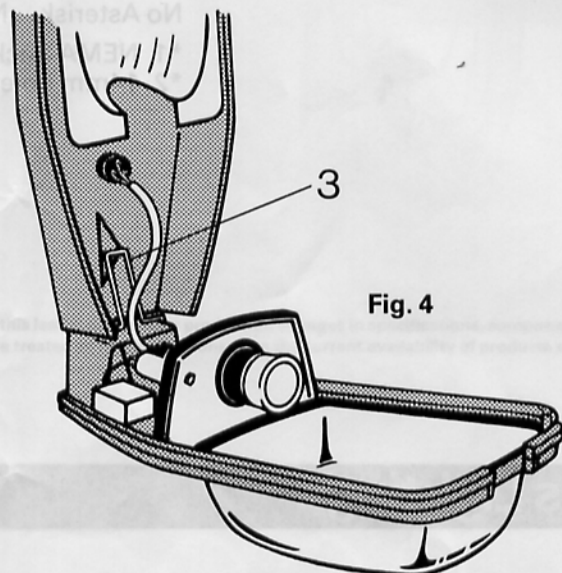


Fig. 4



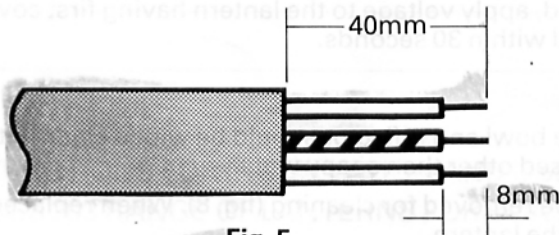


Fig. 5

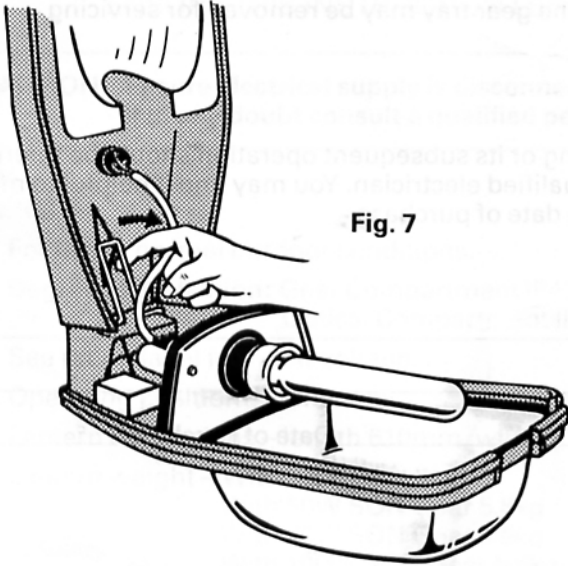


Fig. 7

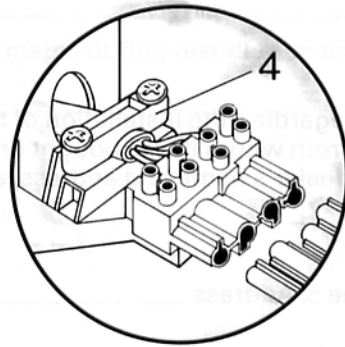


Fig. 6

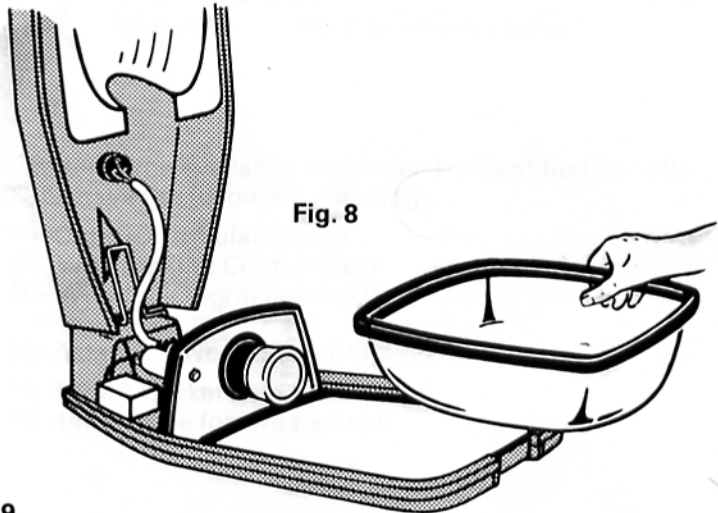


Fig. 8

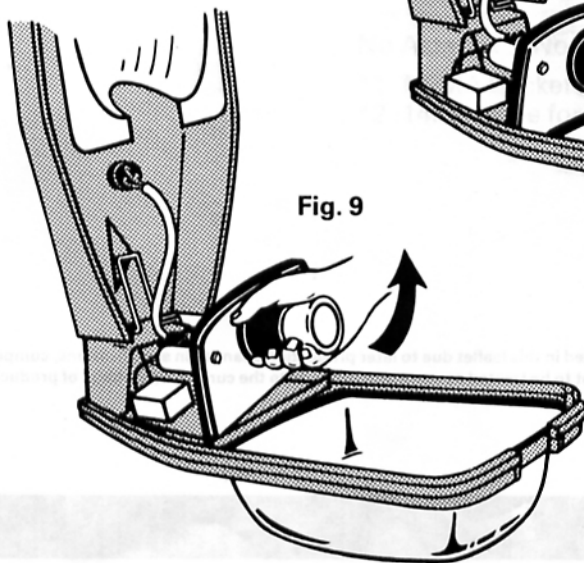


Fig. 9

TO TEST

Apply voltage to the lantern – the lamp should strike within a few seconds.

Where a photocell is fitted, apply voltage to the lantern having first covered the photocell. The lamp should have started within 30 seconds.

SERVICING

At lamp replacement, the bowl and reflector should be wiped clean with a damp cloth. Cleaning solvents should not be used other than soapy water.

If desired the bowl may be removed for cleaning (fig. 8). When replaced, the IP marking should be towards the gear end of the lantern.

When the main supply cables are disconnected the gear tray may be removed for servicing (fig. 9).

Any queries regarding the installation of the fitting or its subsequent operation should be referred to the dealer from whom it was bought or to a qualified electrician. You may find it helpful to make a note of the dealer's name and address, and the date of purchase.

Dealer's Name & Address _____

_____ Date of Purchase _____

Products offered for sale may differ from those described or illustrated in this leaflet due to later production changes in specifications, components or place of manufacture. The contents of this leaflet are therefore not to be treated as representations as to the current availability of products as described, or as to products actually offered for sale.

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