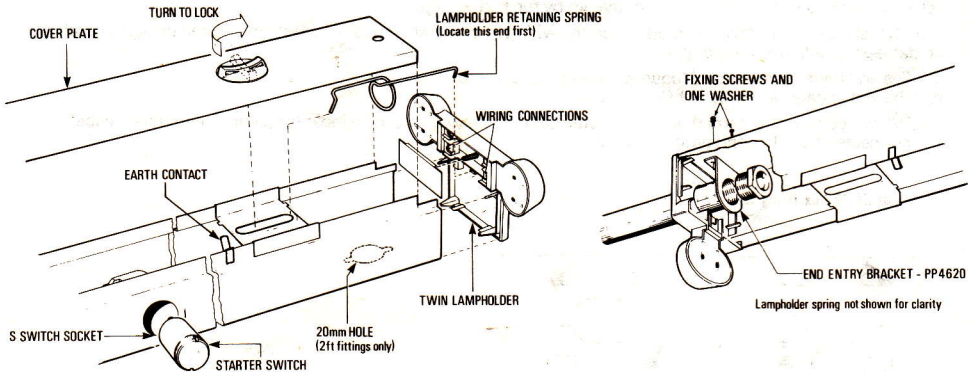


Installation and Wiring Instructions for Popular Pack Mk 12



IMPORTANT NOTES

1. Always isolate supply at mains before mounting or servicing luminaire.
2. Ensure supply voltage corresponds with that indicated on the luminaire.
3. Connect lampholders to the batten with the lampholder tension springs.
4. Connect incoming mains leads to the terminal block within the luminaire. Live to 'L', Neutral to 'N' and Earth to \oplus .
5. Replace cover plate of batten.
6. Insert tubes into the lampholder ensuring correct orientation of the fluorescent tube pins to avoid damage to the lampholder contacts. This is particularly relevant to the 1800mm and 2400mm sizes.
7. Ballast surface temperature is within the tolerance of BS2818, but could damage ordinary cable. Use accessory Cat. No. PP4624 when wiring passes the ballast, or use cable to BS6500-1969: Type 5. Some MI cables need surge protection – seek advice from cable manufacturers when appropriate.

IF IN DOUBT ABOUT INSTALLATION CONSULT A QUALIFIED ELECTRICIAN.

SUSPENSION METHODS

1. Fittings can be direct fix ceiling mounted, BESA box mounted or rod/chain suspended. A plate (Cat. No. PP4619) is available to mask a ceiling hole up to 79mm ϕ .
2. Normally, suspension is via the centre slot with wood screws, when BESA box mounted both screws should be used to ensure fitting sits square on the ceiling;
3. For end conduit entry, fix brackets (Cat. No. PP4620), remove knockouts in lampholders and secure conduit to bracket.
4. When mounting end to end, leave 12mm for batten/reflector fittings and 50mm for diffuser fittings between ends of adjacent fittings.

SAFETY NOTE:

1. Care should be taken with regard to mounting on conduit boxes of plastic materials. Particular attention should be paid to the temperature limits imposed by the material of the mounting surface.
2. This luminaire is suitable for mounting direct on non-combustible materials eg concrete, plaster, metal. It is not suitable for direct mounting on normally flammable surfaces eg chipboard, timber.

USERS OBLIGATIONS

Every care is taken by the company in the design and production of its products to ensure, as far as reasonable, the products are safe and without risk to health when used properly.

The Health & Safety at Work Act imposes upon users of the company's products an obligation to ensure all personnel involved in installation, handling and disposal of these products are acquainted with the information provided by the company and are made fully aware of any precautions that need to be taken.

The company's products are designed to conform to the requirements of UK Safety Regulations and to the requirements of the relevant National and International Standards. Thorn Lighting products will not present unacceptable hazards or difficulties providing they are:

- a) Properly used for the purpose for which they are designed.
- b) Handled and subsequently disposed of in accordance with good industrial practice.

VIVATRONIC CIRCUITS

Vivatronic luminaires incorporate electronic devices and should be isolated before testing the insulation resistance of the installation.

Test voltages above 500V d.c. may damage the electronic components.

ELECTRONIC BALLASTS

For satisfactory radio frequency interference suppression, it is important that supply cables within luminaires do not run adjacent to leads connected to the ballast output terminals.

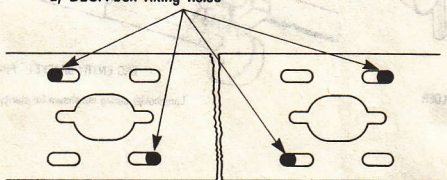
In common with other electronic products, high frequency electronic ballasts are exempt from insulation resistance tests described in the 15th Edition of the IEE Wiring Regulations. Section 613-7 states that "...electronic devices... shall be isolated so that they are not damaged by the test voltage."

If such tests are inadvertently carried out on the wiring of an installation, the ballasts have been designed such that no damage should occur so long as:-

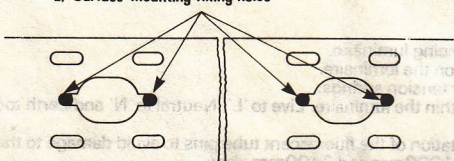
- live and neutral are shorted together during the test, and
- the test voltage is limited to 500 V d.c.

When such a test is carried out, erroneous readings may occur due to radio frequency interference capacitors connected from live and neutral to earth.

a) BESA box fixing holes



b) Surface mounting fixing holes



COUNTRY OF ORIGIN

Made in the U.K.

CHANGE IN SPECIFICATION

The right is reserved to change specifications without prior notification or public announcement.

1. Always isolate supply to luminaire before installing or servicing.
2. Ensure supply wiring is correctly installed and protected in accordance with the manufacturer's instructions.
3. Connect luminaire to the main supply in accordance with the manufacturer's instructions.
4. Connect rooming mains leads to the terminal block within the luminaire.
5. Replace cover plate to luminaire.
6. Refer to the luminaire's instructions for further information.
7. Ballast surface temperature is high in the luminaire of BS2813 but could damage or char cable. Use a suitable cable for the luminaire.
8. Do not use cable with a rating of less than 100°C.
9. Do not use cable with a rating of less than 100°C.
10. Do not use cable with a rating of less than 100°C.

1. When mounting end to end, leave 15mm between luminaire fittings and 50mm between luminaire ends of adjacent fittings.
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