

# ENDON<sup>®</sup>

146-3CH / 3BC / 3AB and 146-6CH / 6BC / 6AB (Semi-Flush fittings)

## INSTRUCTION MANUAL

### Safety Warnings

**These products are only suitable for connection to a 240V~50Hz supply in accordance with current IEE wiring Regulations and should be installed in accordance with local Building Regulations and are for Domestic indoor ceiling use only and not suitable for a Bathroom location.**

**The light fittings should be connected to a lighting circuit protected by a 5 amp fuse (or a 6 amp miniature circuit breaker).**

**If in doubt we recommend you contact a qualified electrician. Before installing your light fitting always:**

**Switch off the mains supply and remove the appropriate fuse or switch off the appropriate circuit breaker before commencing installation.**

**Ensure that no one else has access that would enable the supply to be inadvertently reconnected.**

**Never fit bulbs of a higher wattage or of a type other than those specified on the label as this may cause overheating and damage the fitting.**

**These product contains glass parts – be careful during handling and maintenance to avoid breakage.**

**The bulbs become hot during use so please switch off and allow 10 minutes to cool before replacing bulbs or cleaning the fitting.**

**Clean with a dry cloth only. Do not use liquid or abrasive cleaners on this product.**

**If any modification is made it will invalidate the warranty and may render the product unsafe.**

### Before you start

**Please read these instructions carefully before fitting your new light and retain for reference.**

**Make sure that there are no pipes or cables beneath the mounting surface.**

Check the packaging and make sure that you have all the required parts.

Follow each assembly step in order to prevent incorrect assembly.

Make sure all screws / nuts, including electrical connections etc are fully tightened before use.

**This type of Light Fitting may be connected to a Dimmer if a Tungsten incandescent bulb is used. If a CFL/LED type bulb is fitted then these cannot (generally) be controlled by a dimmer.**

#### **The Light pack contains:**

Light fitting and mounting bracket.

Terminal connection block(s).

G9 Bulbs

#### **The following tools may be required:**

Selection of cross and flat head screwdrivers.

Electric drill and assorted drill bits.

Wire strippers.

Electrical insulation tape.

These assembly diagrams are intended as a guide – if in doubt consult a qualified electrician. The 6 light version is shown here but the same general instruction also applies to the 3 light.

Diagram A

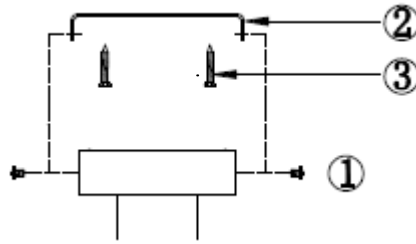
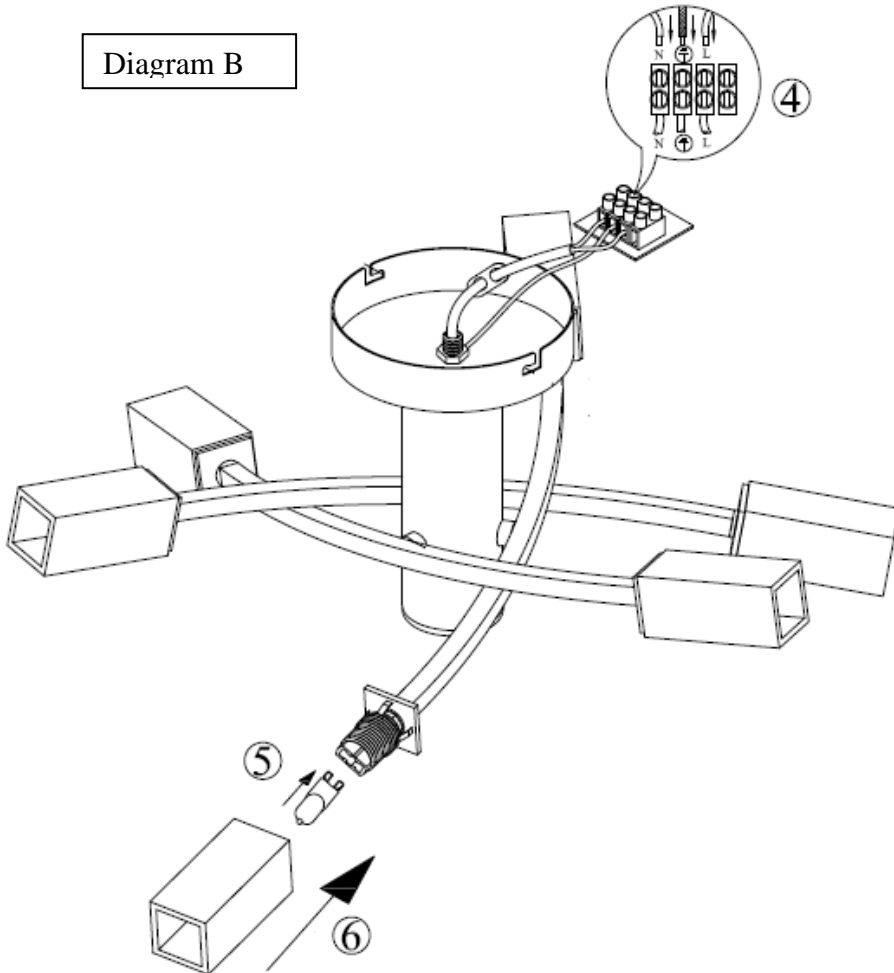
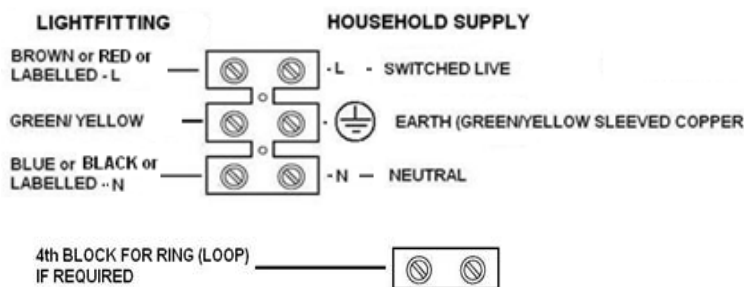


Diagram B



## ④ WIRING DETAILS



1. Decide on the position of the light fitting / or remove existing light fitting. Take a note of the position of the electrical connections. Ensure there is a solid mounting surface, preferably a wooden joist or joist bridge to support the weight of the light fitting.
2. See **Diagram A**. Remove the fixing bracket by undoing the 2 side screws (1), retain for re-use.
3. Use the fixing bracket (2) as a template to mark the screw holes, mark the screw holes and secure to the ceiling with the screws (3) supplied.
4. **Diagram B**. Support your fitting and connect the house wiring to the terminal block (4) – see wiring details. **NOTE: This is a Class I fitting and must be earthed.** The 4<sup>th</sup> terminal block connector is used for the “loop” wires of the “Ring Circuit”. There may be more than one set of cables in the “loop” connections. If there is a “Ring Circuit” and you do not understand the connections you must consult an electrician. Any loose terminal blocks –not secured to ceiling cup - should always be covered with 2 layers of good quality insulation tape.
5. Secure the fitting back onto the fixing bracket with the 2 side screws (1), removed in 2 above. Make sure that all the internal cables and connections are inside the ceiling cup taking care not to trap or strain the internal cables.
6. Fit the bulbs (5) into the lamp holders being careful not to touch the bulbs with your bare hands – use a cloth or gloves to insert the bulbs. **NOTE; Never fit bulbs of a higher wattage or of a type other than those provided / specified on the label (as these may cause overheating and damage the fitting).**
7. Gently push the glass shades (6) onto the lamp holder assemblies – being careful not to damage the glass.
8. Turn on the power and test.