



11-point chandelier

WARNING Never take risks with electrical safety. Always disconnect the mains power before beginning any electrical work and test that it is isolated - it is NOT enough just to turn off the light switch. Electrical products must be installed in accordance with IET regulations (BS 7671). If you are in any doubt, always consult a qualified electrician or an experienced person registered with an electrical Competent Person Scheme. Further information is available online or from your Local Authority. If the lighting circuit is not protected by a Residual Current Device (RCD) then the installation should be carried out and tested by a qualified electrician. If necessary, use a suitable stepladder, but first read the useful advice given by the Health and Safety Executive. Visit www.hse.gov.uk and search for 'using stepladders'.

Before you start anything, please make a cup of tea and read these instructions fully. If you are in any doubt, STOP and seek professional help. Do not proceed unless you are sure.

Your existing connections

Your existing domestic lighting circuit is most likely to use a *Loop-in (aka Radial) system* where the mains supply is passed from one ceiling rose to the next; with the switches and lights for each room emanating from those same roses.

Note: Some older properties may alternatively loop into and out of the switches rather than the roses. The typical arrangement you are likely to find within your ceiling rose is shown right:

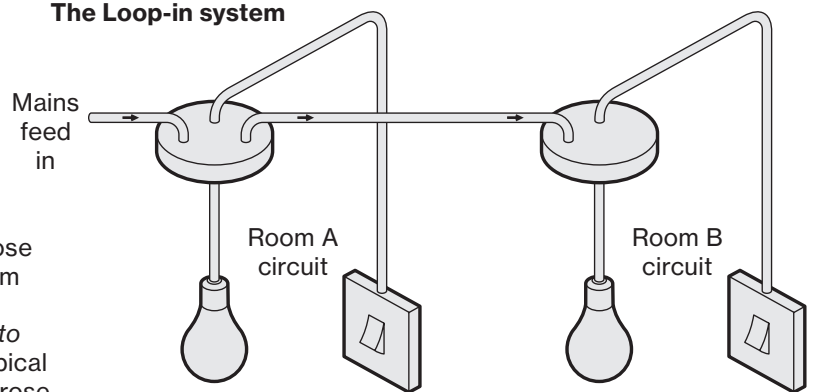
You will need to disconnect the existing wiring and remove the existing ceiling rose. So your first step, after isolating the power for the lighting circuit at your fuse board (and double-checking that it's dead), should be to take clear photo records of the open ceiling rose. Then, you need to identify and clearly label each of the cable groups. Clues to look for:

- The blue (or black) wire coming back from the switch should have a brown (or red) coloured sleeve on it - to identify that it carries a switched live feed. *Note: If a sleeve is not present, you should fit one once you identify the correct wire.*
- That marked wire from the switch will connect only with the wire(s) leading to the lamp(s).
- Using the above two clues, you should be able to identify the *Switch* and *Lamp* cable groups. The remaining cable group(s) will be the *mains feed in* and, if present, *feed out*. You don't need to know which is *in* and which is *out* for this task, just that they are the feed cables.

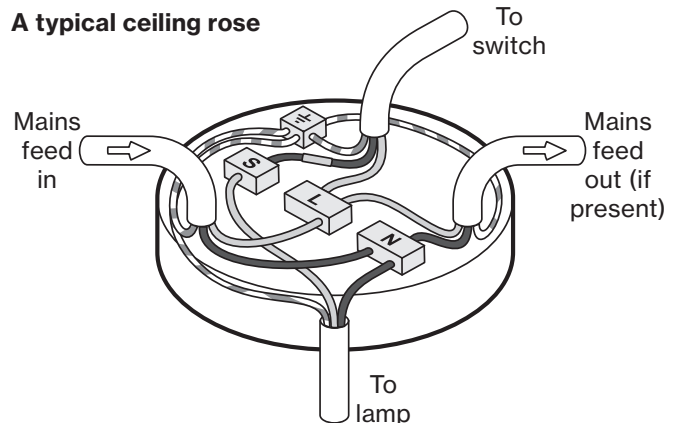
Notes:

- *The connector block supplied within your ceiling rose is designed for a simple end-point power connection. If you need to recreate a loop-in arrangement as described above, you will need replacement connectors, such as Wago® 221-413, available from www.dowsingandreynolds.com*
- *Your ceiling rose kit is not suitable for use in circuits with ratings that exceed 10 Amps.*
- *This product must be installed in accordance with local building regulations.*

The Loop-in system



A typical ceiling rose



To recreate loop-in connections: Remove the supplied connector block. Using the labelled cables as discussed left, you now need to recreate the loop-in circuit links that existed in the original rose, using suitable connectors (that are rated and insulated for 240VAC use) - such as Wago® terminal blocks (part number 221-413). You will need four of these connectors to form the live, neutral, switched live and earth connection groups.

Notes:

- *A valid CPC (Circuit Protective Conductor) earth connection must be supplied by the existing feed in cable to the rose.*
- *Ensure that the bare copper earth connections have green/yellow sleeves to isolate them from other connections.*



To fit your 11-point chandelier

1 Shut off power to the circuit and use a tester to ensure power has been completely isolated.

Note: Your 11-point chandelier kit is not suitable for use in circuits with ratings that exceed 10 Amps.

2 Label, photograph and then disconnect the cables from the original rose (see *Your existing connections on the previous page*).

Note: Depending on how your property is wired, you may need to purchase additional Wago connectors for loop connections. Please visit www.dowsingandreynolds.com for options.

3 Remove the original rose from the ceiling.

4 Use the supplied 2.5mm hex key to remove the two screws that secure the outlet plate to the main body of the 11-point rose.

5 Determine where your new 11-point chandelier rose can be screwed into the ceiling.

IMPORTANT: All three mount slots must be used to secure the main body of your chandelier into solid surfaces/beam(s) above the ceiling surface. Use three screws that are appropriate to the mounting surface together with strong washers to ensure the load is evenly spread onto the mount slots. It is also vitally important that the screws do not disrupt any cabling in the ceiling space. Take time to properly survey the location and add extra supports if necessary.

6 Next you will need to make the electrical connections, which will mean holding the outlet plate and all its pendants up close to the incoming cables for some time. To make this easier, we suggest you temporarily thread two pieces of strong string (each roughly 40cm in length) through each of the tabs on the main body, then through the corresponding screw holes on the outlet plate - and tie off so that the outlet plate and pendants are securely hanging just below the main body. You then remove the strings when you're done.

7 [For loop-in connections, skip to step 8]. For simple end-point connections: carefully prise open the supplied white connector block and secure the incoming live, neutral and earth wires to the terminals as shown right. Then skip to step 9.

8 For loop-in connections: remove the supplied connector block. Using the labelled cables as discussed in 'Your existing connections' on the previous page, you now need to recreate the loop-in circuit links that existed in the original rose, using suitable connectors (that are rated and insulated for 240VAC use) - we recommend Wago® terminal blocks (part number 221-413) which are available from www.dowsingandreynolds.com. You will need four of these connectors to form the live, neutral, switched and earth connection groups.

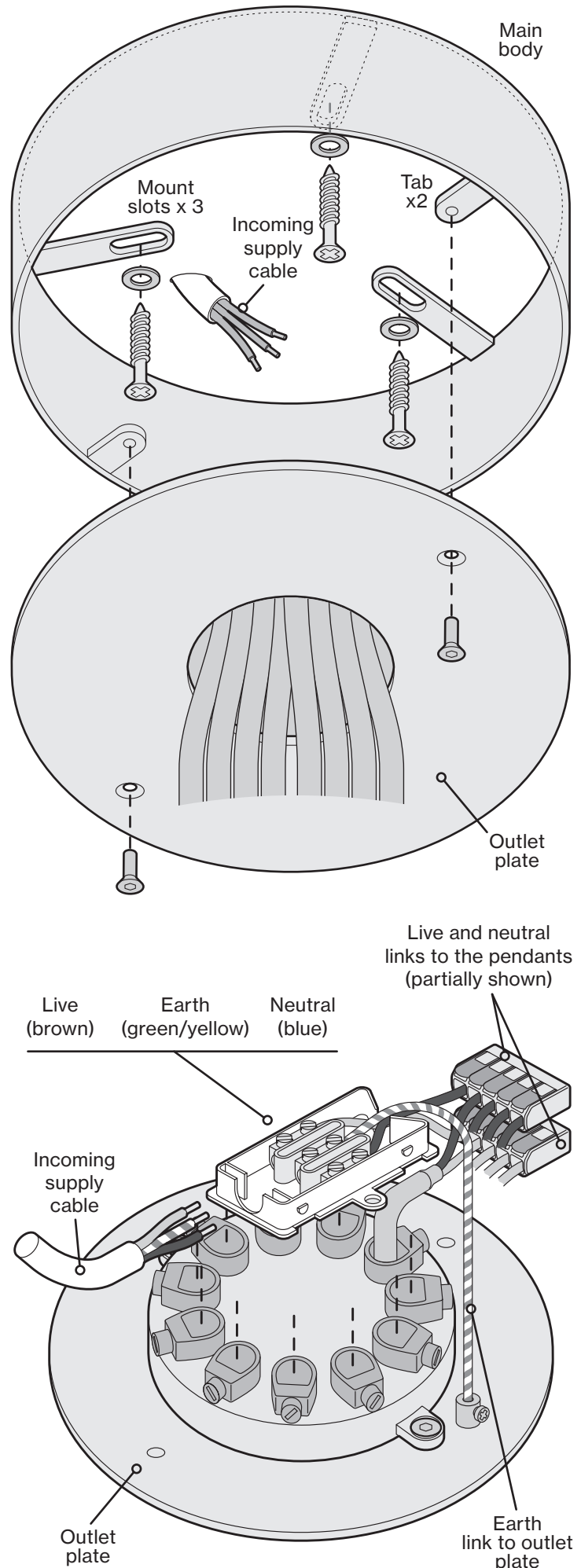
Notes:

- A valid CPC (Circuit Protective Conductor) earth connection must be supplied by the existing supply cable to the rose.
- Ensure that the bare copper earth connections have green/yellow sleeves to isolate them from other connections.

9 If you used string to temporarily support the outlet plate, remove the two loops of string completely.

10 Offer up the outlet plate to the main body and use the supplied 2.5mm hex key to fix it in place using the screws removed earlier.

11 Insert your lamps and restore power to the circuit.



Note: It is not essential to use the supplied rubber cable sheath on the connector box.