




franklite

LUMINAIRE INSTALLATION INSTRUCTIONS

For your own and others safety, please read this instruction manual carefully before installing the luminaire.


1. It is recommended that luminaires (light fittings) are installed by a qualified electrician in accordance with the current wiring and building regulations. **If fitted with LED or fluorescent lamp do not insulation (megger) test the fitting.**
2. Once unpacked examine the product for any damage. If see there is a defect do not use and return back to the retailer. Dispose all packaging in correct and responsible way. Please use recycling facilities when possible. **Do not leave packaging in reach of children.**
3. To prevent wiring abrasion and damage do not expose wiring to sharp objects and tools.
4. Make sure that **the electricity is switched off** at the distribution box before installing or servicing this luminaire.
5. Chandeliers and wire-suspended fittings: after the height adjustment, the cable grip ("the figure of eight") should be lowered to lock the cable as close to ceiling plate as possible. Please ensure the chain/suspension wire to be always shorter than the cable as **chain/suspension wire must bear the weight of the fitting**. All grub screws (if present) should be tightened after height adjustment - ensure correct screwdriver is used.
6. Recessed fittings: please measure the fitting before performing any cut-outs.
7. Plastered, painted or papered surfaces must be completely dry before installing this luminaire to avoid the possibility of damage or discoloration to the luminaire. If there is any doubt that the surface may be damp, we recommend that a thin film of polythene is placed between the luminaire and mounting surface. This film can be removed when the surface is completely dry.
8. Always make sure that the supporting surface can take the weight of the light fitting. Some luminaires have a fixing plate or strap included, on others, the ceiling plate is connected directly to the mounting surface – the customer is responsible for using fixing means proper for ceiling/wall material. Some larger luminaires are dependent upon the supply of a suitable hook or suspension method. It is the customer's responsibility to provide this, ensuring that it is suitable for the proposed mounting surface and luminaire weight.
9. Where applicable, assemble centre body/ stem to the main part of the luminaire securely making sure wires are not trapped or damaged and that no strain is placed on the cable. When screwing components together, do not overtighten. If a terminal block is not supplied, installation may require advice from a qualified person.

Colour code for fixed wiring:


BROWN	- Live (new from 2004)	
BLUE	- Neutral (new from 2004)	
GREEN/YELLOW	- Earth	
BLUE with brown sleeving	- Switch wire with sleeving (new from 2004)	
RED	- Live (old existing colour code)	
BLACK	- Neutral (old existing colour code)	
BLACK with red sleeving	- Switch wire with sleeving (old colour code)	

NOTE: Some luminaires may have a clear cable. In this case, the **earth wire will be marked with green/yellow thread**. The other two wires are **L & N**. It does not matter which is which.



CLASS I LUMINAIRES (EARTHED)

Connect the brown wire from the luminaire to the supply live wire (red or brown). Connect the blue wire to the supply neutral wire (black or blue). Connect the green/yellow wire to the supply earth wire (green/yellow) or connect the supply earth to the luminaire earth terminal marked  .

CLASS II LUMINAIRES (NOT EARTHED)

These luminaires are double insulated and have the symbol: . These fittings **must not** be connected to the supply earth. Make sure that the basic insulation of the supply wiring cannot contact touchable metal. Connect the brown wire from the luminaire to the supply live wire (red or brown). Connect the blue wire to the supply neutral wire (black or blue). Isolate the supply earth wire.

UNWIRED LUMINAIRES

Connect the supply wires directly to the lamp holder and the earth (green/yellow) wire to the earthing terminal marked , unless the fitting is marked with the  symbol, in which case isolate the supply earth and do not connect this to the luminaire. **If silicone sleeving is provided, fit over the supply cable up to the terminal block or lamp holder, to at least the mounting surface, to protect cable from heat.**

10. Fix luminaire to mounting surface making sure that no wires are trapped or damaged. Wires must be routed away from hot metal surfaces and not laid onto the backplate. Luminaires marked with:




are not suitable for covering with thermal insulation



are not suitable for mounting **on** normally flammable surfaces as wood or paper. These are suitable to be mounted on non-flammable surfaces as plaster, concrete, metal and plaster board.



are not suitable for mounting **in** normally flammable surfaces. If not marked with these symbols, the luminaire is suitable for mounting on/in a normally flammable surface

11. If there is insufficient space within the luminaire for a terminal block then any connections must be made in the ceiling space within a junction box. Make sure that all connections are securely made and that no stray wires are left out of the connectors. Fully cover the terminal block with two layers of good quality insulation tape, or the plastic box if provided. If no terminal block is included, installation may require advice from a qualified person.
12. **Please strictly observe labels for proper lamp type and wattage – some of fittings are designated only for LED lamps.** Fit the correct wattage and type of lamp (bulb). Take care not to touch halogen lamps with bare fingers. If you do, clean lamp with alcohol and allow to dry. Take care when changing lamps, particularly halogen, as these get very hot in operation and should be allowed to cool before touching and removing. Safety shields, where supplied, **must be** used.
13. LED lamps should not be used in fittings operating with low-voltage halogen lamps (G4 and GU5.3 MR16).
14. Fittings with Integral LEDs are equipped in gear to control and keep a constant current. **The connection polarity of mains and driver must be strictly observed.** Some of our integral LED products are dimmable – the correct dimmer switch should be used. Integral LED engines are not replaceable – when the light source reaches its end of life the whole fitting should be responsibly disposed and replaced.
15. Halogen lamps are dimmable by default. In case if LED lamps are used - the suitability for dimming will depend both on lamp and dimmer switch installed. If in doubt - contact your lighting supplier.
16. Where applicable, fix glass securely to the luminaire. If screws are used to secure the glass, ensure that the glass is not stressed by over-tight screws. The screws should be finger tight. When shade rings are fitted these should be periodically checked after fitment to ensure that they have not become loose. When cleaning the luminaire, we recommend using a damp cloth no detergents should be used.
17. Re-connect the electricity supply and switch on. **Enjoy your new luminaire.**
18. **Regular maintenance of luminaires is very important. Always turn the luminaire off before cleaning/maintaining** and allow the lamps to cool. Clean using a soft, dry cloth. Do not use abrasives or metal polish.
19.  Any luminaires marked with this symbol must not be disposed of in domestic waste. Your retailer or Civic Amenity Site will advise.

Warranty

Luminaires with external flexible cables, if damaged, shall be replaced by FRANKLITE or a qualified person to avoid a hazard. Any alterations to the luminaire or internal wiring will void the manufacturers' warranty.