



INSTALLATION & MAINTENANCE MANUAL

**LFC24IPCCTxM / LFC24IPRGBxM**

## GENERAL INSTRUCTIONS

**These instructions should be read carefully and retained after installation by the end user for future reference and maintenance.**

**These instructions should be used to aid installation of the following products:  
LFC24IPCCTxM / LFC24IPRGBxM**

## SAFETY

- This product must be installed in accordance with the latest edition of the IEE Wiring Regulations (BS7671) and current Building Regulations. If in any doubt, consult a qualified electrician
- Please isolate mains prior to installation or maintenance
- Check the total load on the circuit (including when this product is fitted) does not exceed the rating of the circuit cable, fuse or circuit breaker
- Please note the IP (Ingress Protection) rating of this product when deciding the location for installation
- This product is Class III
- This product is IP67 rated as supplied

## INSTALLATION

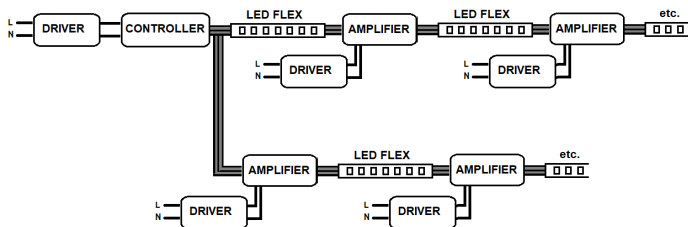
Note - If this product is being used in conjunction with an external PIR or sensor, please confirm with the manufacturer of the sensors that they are compatible with LED light sources.

Note – soldering may be required for certain installation configurations.

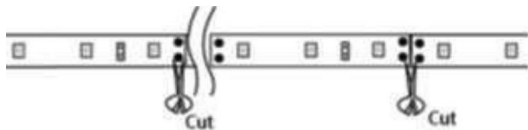
- Provide power to the required point of installation (refer to BS7671 for correct cabling methods). Suitable IP rated junction boxes should be used where required
- Decide on the desired layout of the LED flex taking into consideration the following:
  - a) that the LED flex is not going to be installed in a position where it is at risk of being cut, trapped, or damaged
  - b) the choice of suitable controller (available separately)
  - c) the location of the controller and LED driver – the LED flex is supplied fitted with approximately 30cm of open-ended cable. IP67 drivers are available; any IP20 rated components must be fitted within a suitable IP

rated enclosure

- d) that the total load of LED flex does not exceed the maximum power rating of the LED driver or controller
- e) the overall length of LED flex required – long runs can cause volt drop, resulting in the light output being dimmer at the far end of the run. To prevent this, for installations of more than 10m in length consider splitting the installation into two or more shorter runs with separate power feeds, separate drivers, and signal amplifiers as required (see Fig. 1) – in this configuration the system can be extended, provided that each driver is sufficient for the load of the section of flex that is installed immediately after it



**Fig. 1**



**Fig. 2**

- When cutting the LED flex, ensure to only do so at the marked cutting points (see Fig. 2)

- If a joint is to be made in the flex installation, this can be done with an appropriate flex connector (available separately) – correct polarity must be maintained through the joint. Follow the instructions provided with the connector. Alternatively, cable may be soldered directly onto the flex and the joint protected with front and end caps (available separately). All joints must be filled with silicone glue (available separately) to maintain IP rating
- The LED flex is provided with self-adhesive backing, please ensure that the application surface is clean and dust-free before installation. Additional support should be provided by a fixing kit (available separately)
- Connect the LED flex to the secondary side of the controller, and the controller to the secondary side of the driver, following the instructions provided with the controller. Cable colours on the flex are as follows:  
LFC24IPCCTxM: Red (V+), Yellow (Warm White), White (Cool White)  
LFC24IPRGBxM: Black (V+), Red (R), Green (G), Blue (B)
- Ensuring correct polarity is observed, connect the mains supply to the primary side of the driver: L – Live (brown), N – Neutral (blue)
- Switch on and check for correct operation

## WARNING

This product must be disconnected from the circuit if subjected to any high voltage or insulation resistance testing. Irreparable damage will occur if this instruction is not followed.

## GENERAL

The light source of this luminaire is not replaceable; when the light source reaches its end of life the whole luminaire should be replaced.

Clean the external surfaces with a damp cloth using a mild solution of detergent and warm water only, do not use aggressive cleaning products or solvents which may damage the product.

This product is dimmable dependent on the driver or controller used.

This product should be recycled in the correct manner when it reaches the end of its life. Check local authorities for where facilities exist.

## WARRANTY

This product has a warranty of 3 years from date of purchase. Failure to install this product in accordance with the current edition of the IEE Wiring Regulations (BS7671), improper use, or removal of the batch code will invalidate the warranty. If this product should fail within its warranty period, it should be returned to the place of purchase for a free of charge replacement. ML Accessories does not accept responsibility for any installation costs associated with the replacement product. Your statutory rights are not affected. ML Accessories reserve the right to alter product specification without prior notice.

**SUPPLIED BY:**

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MADE IN CHINA

24V



IP67



-20  
~45°C  
TA

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