

## Technical data

Supply Voltage: 220-240V~ 50Hz | LED Voltage: 24V DC

Bulb Type: 360W LED(SMD), RGB



Conformity with all relevant UKCA Directive requirements.



Conformity with all relevant EC Directive requirements.



This is a Class 3 product and requires the use of a LED Driver (not supplied).



Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or local store for recycling advice.



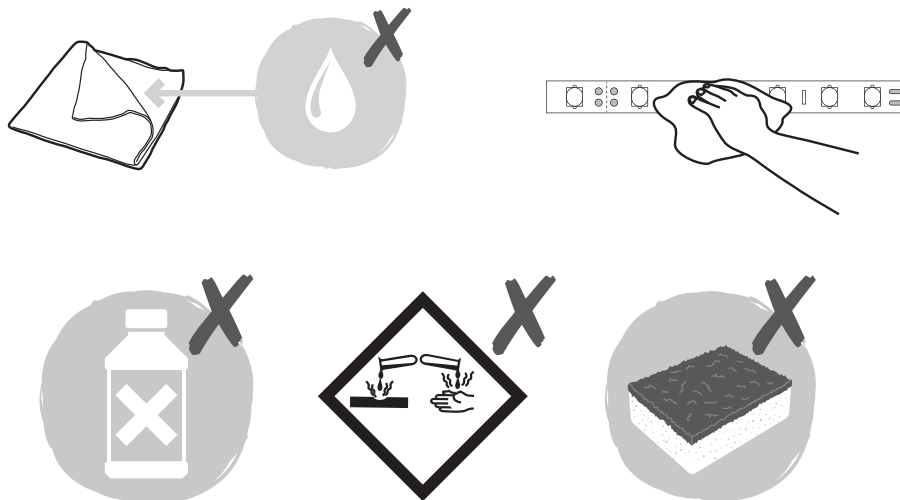
This product is suitable for dimming with RGB remote.



This product is rated at IP20.

## Care and Safety

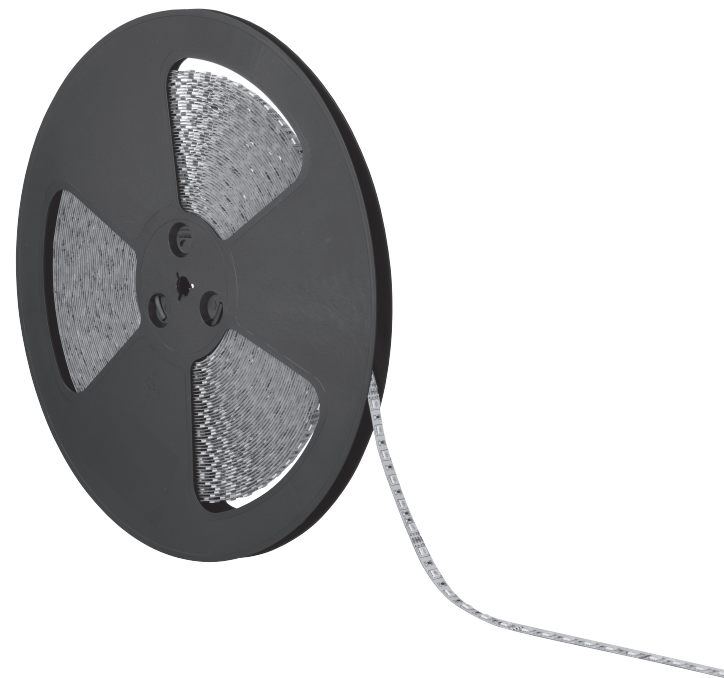
We recommend cleaning with a soft dry cloth. Do not use solvents or abrasive cleaners as these could damage the LED's. For your safety, always switch off the power supply before changing lightbulbs, or cleaning.



Instruction manual

# OrionRGB LED

99044



Thank you for purchasing this light fitting. Please read the instructions carefully before use to ensure safe and satisfactory operation of this product. Please retain these instructions for future reference.

## Warning

### The LED strips are Safety Extra Low Voltage and must not be earthed.

Please read these instructions carefully before commencing any work.

This unit must be fitted by a competent and qualified electrician.

Install in accordance with the IEE Wiring regulations and current Building Regulations.

Check the pack and make sure you have all the parts listed.

To prevent electrocution switch off at the mains supply before installing or maintaining this fitting. Ensure other persons cannot restore the electrical supply without your knowledge. If you are in any doubt, please consult a qualified electrician.

If replacing an existing fitting, make a careful note of the connections.

The mains plug must be situated indoors (e.g. house, garage, shed) in order to protect it from the elements.

This system operates at Safety Extra Low Voltage (24V d.c.), via a LED driver (not supplied). Never connect the LED strips directly to the mains without using the correct LED driver.

Do not exceed the LED driver load. LED drivers may require a minimum load to operate.

Always unplug the LED driver from the mains when installing or maintaining this system.

This is the RGB product, must be used with a 24V DC RGB receiver (not supplied) and RGB remote (not supplied).

When connecting to an RGB receiver ensure that the polarity is correct. The LED strip may be damaged if connected incorrectly.

This product contains non-replacable parts and cannot be serviced. If damage occurs the part should be scrapped.

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.

## Layout

The OrionRGB LEDs are mounted on a sticky tape which can be stuck to most surfaces.

Plan the desired layout of this fitting carefully, ensuring the cables will reach the distance between the power supply and the OrionRGB LEDs.

Avoid locating any cables in positions that would cause a hazard. Position cables and OrionRGB LEDs away from areas where they may be at risk from being cut, trapped or damaged.

Cables in walls must be protected using suitable conduit or plastic trunking.

## Installation

Position the LED driver (not supplied) next to the mains outlet socket that the system will connect to. Do not plug-in at this stage. Make sure that the LED driver used can load the total power of the LED strip.

After deciding the layout of the LED strips, ensure the cables are long enough to connect to the desired positions.

We recommend driver max. loading wattage is 20% more than total LED tape wattage which can gives better life span on driver and tape. For example, if the total LED tape wattage is 120W. we recommend using 144W driver.

The OrionRGB LEDs can be shortened to a minimum of 100mm or multiples of 100mm.

- Cut to the desired length. Ensure that the cut is made at the copper connection points.
- Please select the appropriate connector to connect the LED strips according to the necessary. There are no markings on the connectors. Ensure Black cable is to the "+", the Green cable is to the "G", the Red cable is to the "R", the Blue cable is to the "B". Make sure the connection is secure.
- Peel the backing tape off the OrionRGB strip. Apply moderate pressure to stick the LED's to the surface. An assistant may be required to help stick longer lengths accurately.
- Please see installation diagram and choose the most suitable installation method. Note: When connected in series it is not possible to extend the strip to lengths longer than 10m. However, strips may be connected in parallel up to the max rating of the power supply used.

- Connect the LED strips to the RGB receiver (not supplied). ensure that wires connect to the correct polarity.
- Connect the RGB receiver (not supplied) to the LED driver (choose the correct 24VDC driver based on the length of the strip).
- When attaching the connector to the LED strip ensure that wiring sequence is correct and that strip secure.
- Connect the power connector to the LED driver. Ensure that all the connections are tight. Connect the power supply to the mains and turn on.
- You can control the RGB color by using the RGB remote ( not supplied) to choose your preferred color.

Attention when bending the strips:

