IP67 LED STRIP KIT *(RGB COLOUR)* FITTING INSTRUCTIONS

These instructions are for the Déluce Lighting IP67 LED RGB Strip Kit :

IP67LEDSTRIPKITRGB

220-240V LED IP67

Ref no.	Watts	Description	Length	No. of LED's
IP67LEDSTRIPKITRGB	36W	RGB colour changing stand alone LED strip light c/w remote control & receiver	5m	150

IMPORTANT INSTALLATION INFORMATION

- Installation should be carried out in accordance with the latest edition of the IEE Wiring Regulations (BS7671) and taking into consideration the latest Building Regulations. If in doubt, consult a qualified electrician.
- **Before commencing any installation or maintenance work, ensure electricity is switched off at the mains.**
- Please take note of the maximum rated voltage for your LED Strip Light.
- Please take note of the IP (Ingress Protection) rating of LED RGB Strip Light when deciding location.

GENERAL INSTALLATION - SAFETY

- Please make sure you are safe when working at height.
- Employ the latest safety regulations and procedures to ensure the safe installation of the LED RGB Strip Light.

INSTALLATION INSTRUCTIONS

- To achieve the best results from your LED RGB Strip Light we suggest you take into account the following points before you fit the unit.

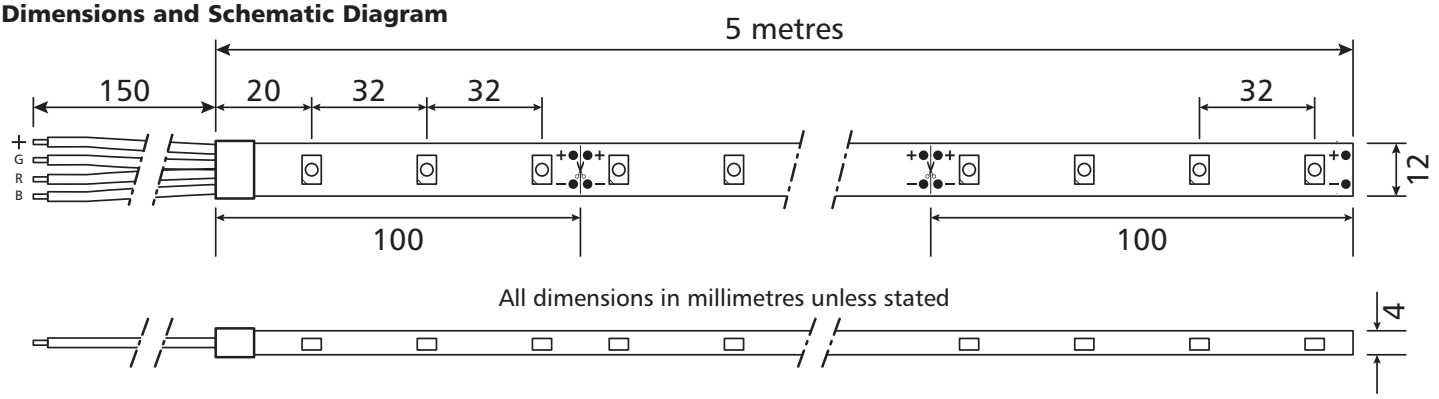
1. Ensure the mounting surface is clean and free of dust, grease or flaking material
2. Peel back the protective film away from the strip exposing the glue and apply to the mounting surface in the required location.
3. When the desired length as been mounted, cut the length at the designated cutting line; marked with a ✂
4. Connect the LED Strip cable to the Controller as follows:

   WHITE (Positive +) to **+**
   GREEN to **G**
   RED to **R**
   BLUE to **B**
   Then connect the Controller to the Driver as follows:

   RED / BROWN (Positive +) **+** to **+**
   BLACK / BLUE (Negative –) **–** to **–**
5. Connect the supply cable to the Driver via a suitable IP67 rated terminal block and make the electrical connections as follows:

   LIVE - (Red or Brown)
   NEUTRAL - (Black or Blue)
   EARTH - (Green/Yellow) marked E ⏚
6. Ensure that the LED RGB strip load does not exceed that of the driver, the driver supplied can power a maximum continuous run of LED RGB strip lights of 5 Metres.
7. Switch on the power supply for testing and adjustment.
8. Over the tailing end of the LED strip light fit an End Cap (apply a small amount of glue to the inside of the end cap and then slide over the tailing end area).

Dimensions and Schematic Diagram



GUARANTEE

This product is guaranteed in the EU for a period of 1 year from the date of purchase. The guarantee is invalid in the case of improper use, installation, tampering, removal of the QC date label, installation in an improper working environment or installation not according to the current edition of the IEE Wiring Regulations (BS 7671). Should this product fail during the guarantee period it will be replaced free of charge, subject to correct installation and return of the faulty unit. Déluce Lighting does not accept responsibility for any installation costs associated with the replacement of this product. Your statutory rights are not affected. Déluce Lighting reserves the right to alter specifications without prior notice.

PLEASE READ THESE INSTRUCTIONS CAREFULLY BEFORE INSTALLATION
LEAVE A COPY FOR THE USER/MAINTENANCE ENGINEER FOR FUTURE REFERENCE
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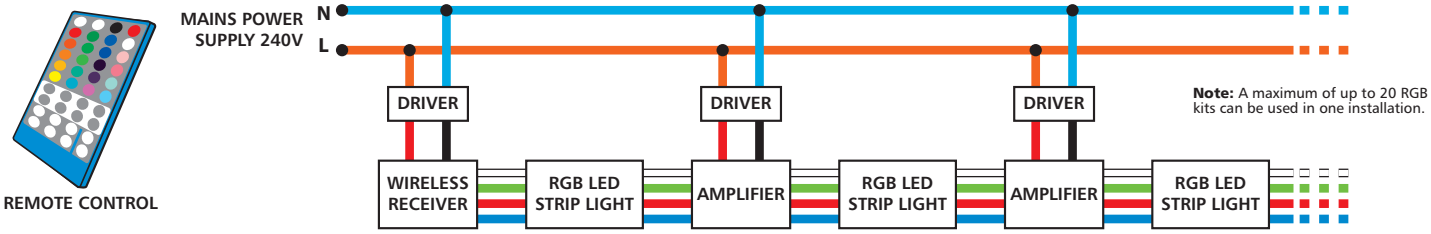
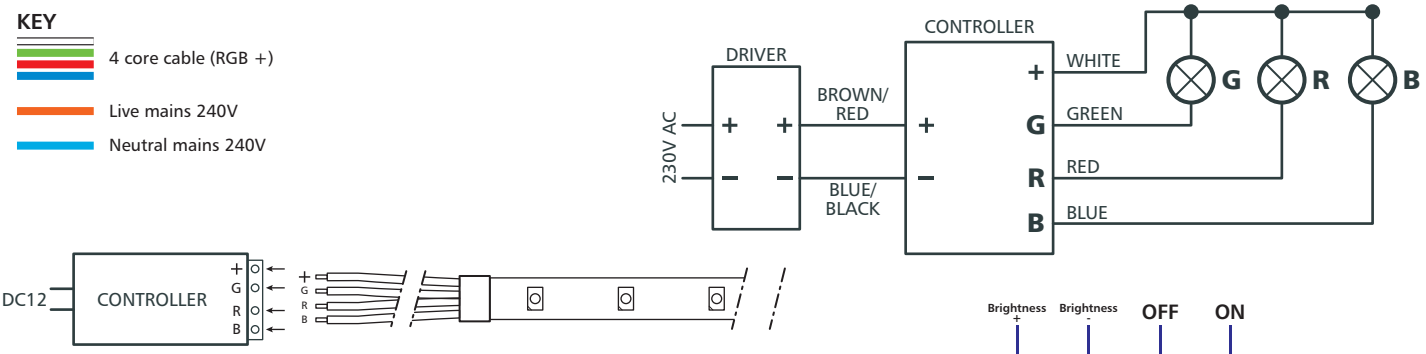
Installation instructions for MULTIPLE kits

Then follow the steps 1 - 7 for connection.

To install multiple units requires an RGB signal amplifier, part code: **LEDSTRIPRGBAMP**, for each RGB LED strip kit installed. Each Driver needs it's own mains supply also - see diagram below. A maximum of up to 20 RGB kits can be used in one installation.

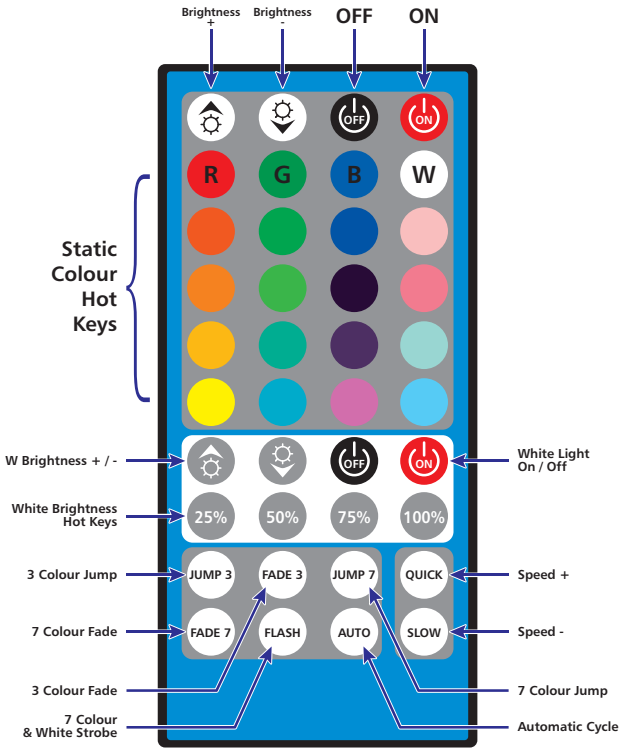
RGB LED Strip wiring diagram





Remote control functions (each buttons function)

Brightness Up +	Brightness Down -	OFF	ON
Static Red	Static Green	Static Blue	Static White
Static Orange	Static Light Green	Static Dark Blue	Static Milk White
Static Dark Yellow	Static Cyan	Static Lyons Blue	Static White Pink
Static Yellow	Static Light Blue	Static Purple	Static Green White
Static Light Yellow	Static Sky Blue	Static Brown	Static Blue White
W Brightness Up +	**W Brightness Down -**	**White Light OFF**	**White Light ON**
25% W brightness	50% W brightness	75% W brightness	100% W brightness
Jump 3	Fade 3	Jump 7	Quick
Fade 7	Flash	Auto	Slow



The controller is divided into two areas (**RGB** and **W** *[white]* mode), which can be turned on and off independently, and can control the brightness and the colour independently.
When the RGB mode is turned on, it can change the RGB colour and brightness, the White mode can be turned on and off at the same time, the white mode can be partly turned on or off and the brightness of the white mode and be adjusted. The 3 or 7 Fade function button adjusts the speed of the colour fading. The 3 or 7 Jump function button adjusts the speed of the brightness change. The speed of the function buttons can be adjusted via the Quick or Slow buttons.

All images and drawings are for illustration purposes only !

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Cutting the LED Strip Light

The LED RGB Strip can be cut at 100mm intervals and can be relinked using either a connect clip, a double ended connector cable c/w 150mm of cable, single ended connector clip c/w 150mm of cable or by soldering a cable between the LED Strip Light's copper connectors (all connectors supplied with kit).

Cut the LED strip at the designated cutting line, marked with a ✂ its is recommended that a suitable craft knife is used to cut the LED Strip Light.
Once cut; use the craft knife to remove the outer plastic sleeve, as close to the nearest LED light, near the cut as possible to expose the copper connectors (marked + & –).
Slide a piece of heat shrink over the end of the LED strip - open a flap on a connector clip / connector cable - slide the now cleaned end piece into one side of a connector clip / connector cable and then using a soldering iron, **YOU MUST** solder the connector clip's terminals to the LED strips copper connectors in turn.
Or solder a piece of cable between the LED Strip Light's copper connectors as follows :

WHITE to WHITE **GREEN to GREEN**

RED to RED **BLUE to BLUE**

POLARITIES MUST BE MAINTAINED

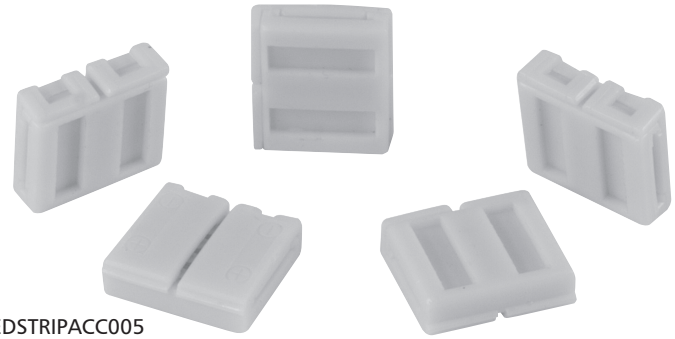
Using the supplied glue, glue down the flap(s) of the connector clip; then slide the heat shrink sleeve over the now finished connection (using a Hair Dryer) heat the heat shrink until it contracts sufficiently.

Over the tailing end of the LED strip light fit an End Cap (apply a small amount of glue to the inside of the end cap and then slide over the tailing end area).

Then follow the steps 1 - 7 for installation.

IP67 LED Strip Accessories

Ref no.	Qty	Description
LEDSTRIPRGBAMP	1	Signal amplifier - Max load - additional 5m RGB
IP67LEDSTRIP90B	1	IP67 LED Strip Single Colour 90 Degree Bend
IP67LEDSTRIPCLIP	10	IP67 LED Strip Mounting Clip
IP67LEDSTRIPEC1	10	IP67 LED End Cap For Single Colour Plus Glue
IP67LEDSTRIPEC3	10	IP67 LED End Cap For RGB Plus Glue



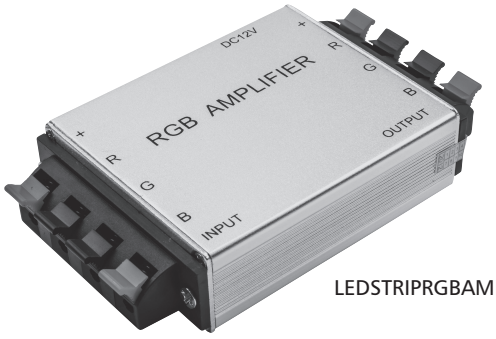
LEDSTRIPACC005

Ref no.	Qty	Description
LEDSTRIPACC004	5	10mm RGB colour strip connector c/w 150mm of wire
LEDSTRIPACC005	5	10mm RGB colour strip connector
LEDSTRIPACC006	5	10mm RGB colour strip link c/w 150mm of wire - connector at each end

3M ADD-ON LED STRIPS

Ref no.	LED Colour	Length	No. of LED's
IP67LEDSTRIP3MRGB	RGB	3M	90

LEDSTRIPACC006



LEDSTRIPRGBAMP

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