

# LEDj

## **Q Colour** **18 x 8W RGBW LEDs** User Manual



Order code: LEDJ210

### WARNING

### FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY BEFORE YOUR INITIAL START-UP!

- Before your initial start-up, please make sure that there is no damage caused during transportation.
- Should there be any damage, consult your dealer and do not use the equipment.
- To maintain the equipment in good working condition and to ensure safe operation, it is necessary for the user to follow the safety instructions and warning notes written in this manual.
- Please note that damages caused by user modifications to this equipment are not subject to warranty.



### IMPORTANT:

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorised modification to the equipment.

- Never let the power cable come into contact with other cables. Handle the power cable and all mains voltage connections with particular caution!
- Never remove warning or informative labels from the unit.
- Do not open the equipment and do not modify the unit.
- Do not connect this equipment to a dimmer pack.
- Do not switch the equipment on and off in short intervals, as this will reduce the system's life.
- Only use the equipment indoors.
- Do not expose to flammable sources, liquids or gases.
- Always disconnect the power from the mains when equipment is not in use or before cleaning! Only handle the power-cable by the plug. Never pull out the plug by pulling the power-cable.
- Make sure that the available mains supply voltage is between 100~240V AC, 50/60Hz.
- Make sure that the power cable is never crimped or damaged. Check the equipment and the power cable periodically.
- If the equipment is dropped or damaged, disconnect the mains power supply immediately and have a qualified engineer inspect the equipment before operating again.
- If the equipment has been exposed to drastic temperature fluctuation (e.g. after transportation), do not connect power or switch it on immediately. The arising condensation might damage the equipment. Leave the equipment switched off until it has reached room temperature.
- If your product fails to function correctly, stop use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Pro Light dealer for service.
- Only use fuses of same type and rating.
- Repairs, servicing and power connection must only be carried out by a qualified technician. THIS UNIT CONTAINS NO USER SERVICEABLE PARTS.
- This lighting fixture is for professional use only - it is not designed for or suitable for household use. The product must be installed by a qualified technician in accordance with local territory regulations. The safety of the installation is the responsibility of the installer. The fixture presents risks of severe injury or death due to fire hazards, electric shock and falls.
- Warning! Risk Group 2 LED product according to EN 62471. Do not view the light output with optical instruments or any device that may concentrate the beam.
- WARRANTY: One year from date of purchase.

### OPERATING DETERMINATIONS

If this equipment is operated in any other way, than those described in this manual, the product may suffer damage and the warranty becomes void. Incorrect operation may lead to danger e.g: short-circuit, burns and electric shocks etc.

Do not endanger your own safety and the safety of others!

Incorrect installation or use can cause serious damage to people and/or property.

**Please note:** These fixtures are intended for stage lighting and entertainment applications only, and are not intended for extended periods of use, including but not limited to house-light, industrial or architectural applications and should only be operated with short duty cycles.

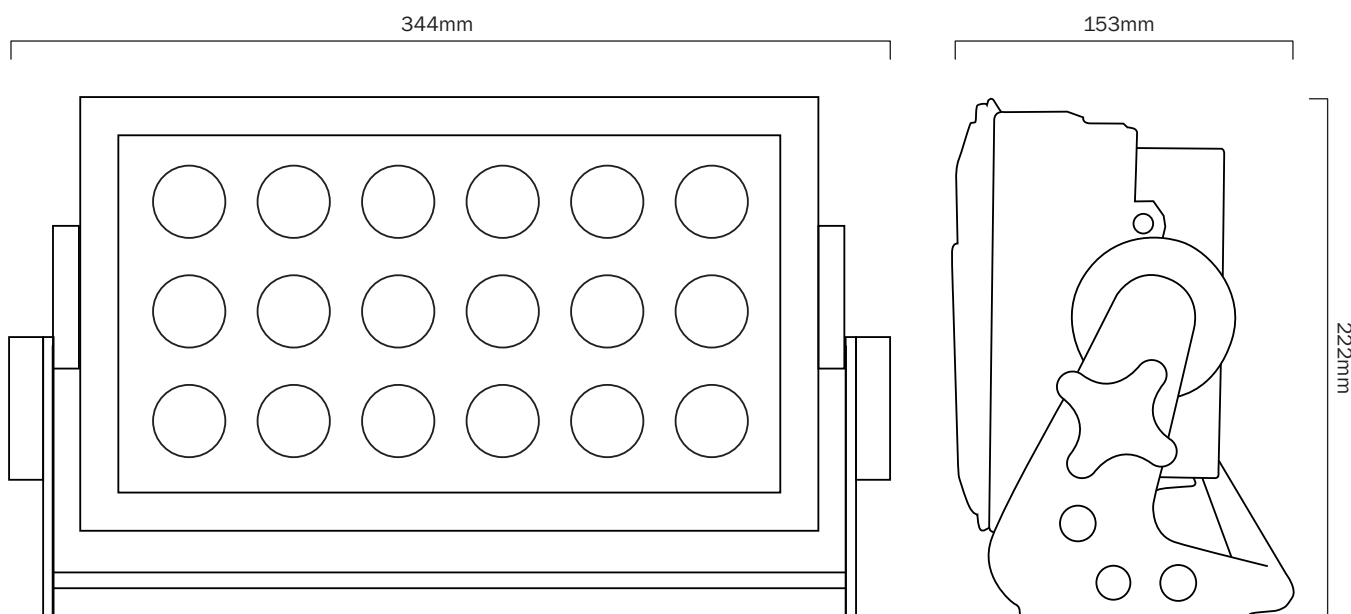
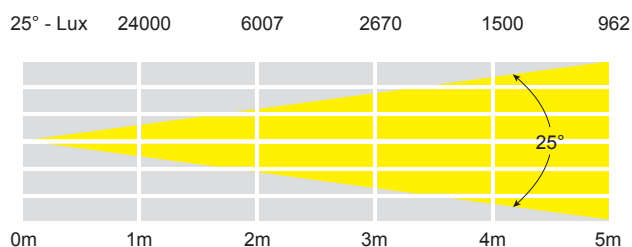
### Q Colour

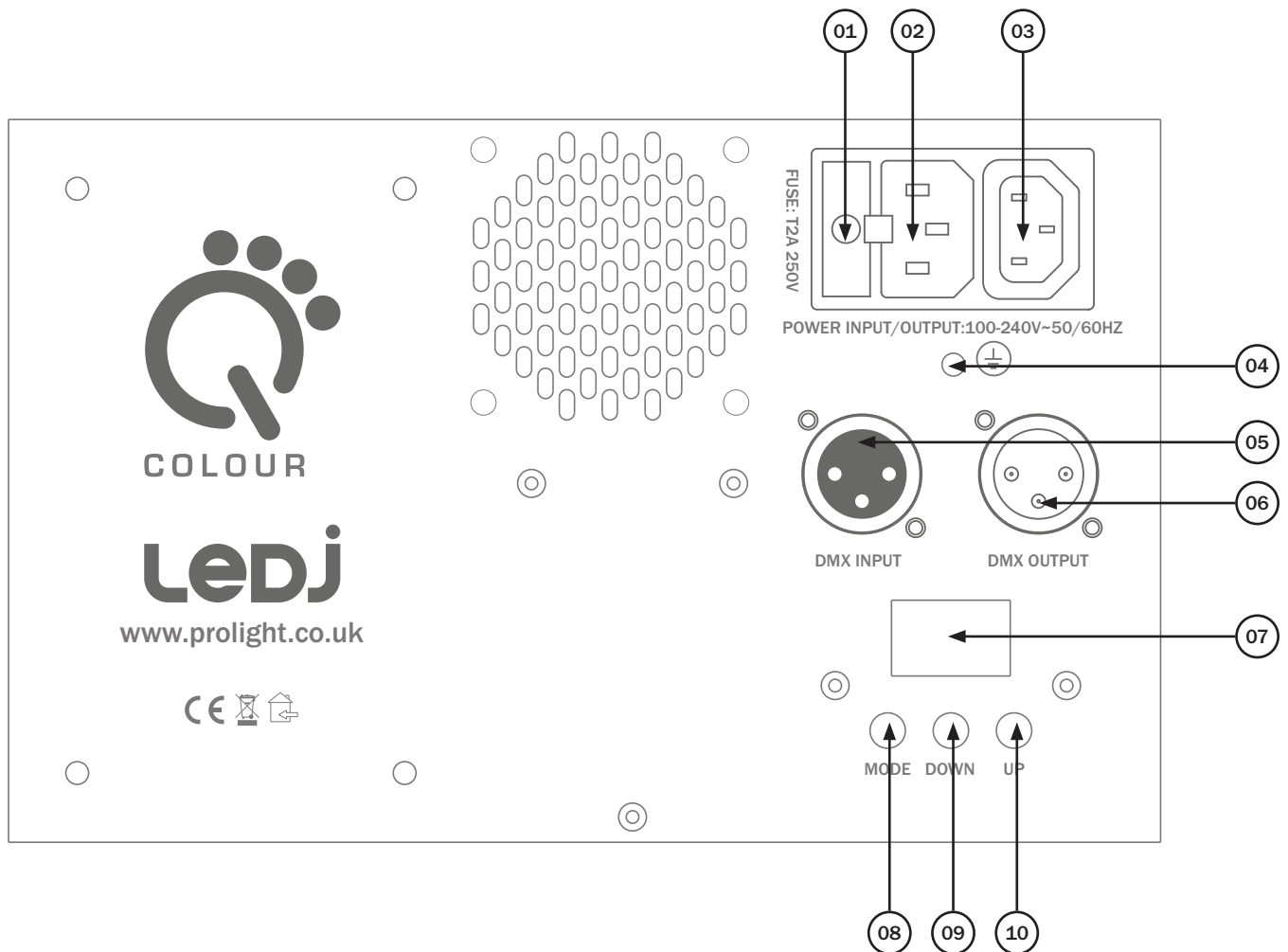
Utilising LED technology the Q Colour adds intense colour to stages and performers. The fixture has a slim rugged chassis and provides exceptional quality, coverage and ease of use. With the ability to run built-in programs and perform full RGBW colour mixing with or without DMX control the fixture is perfect for a host of applications.

- 18 x 8W quad-colour LEDs (RGBW)
- Beam angle: 25°
- 6,007 Lux @ 2m (full on)
- Refresh rate: 400Hz
- DMX channels: 4 or 6 selectable
- Static colour, colour mix, colour change, colour fade, auto, sound active and master/slave modes
- 0 - 100% dimming
- Variable strobe
- Bracket allows for multiple rigging or floor standing applications
- 3 button menu with LED display
- IEC power input/output
- 3-Pin XLR input/output
- Fan cooled
- Barn doors included



| Specifications    | Q Colour          |
|-------------------|-------------------|
| Power consumption | 160W              |
| Power supply      | 100~240V, 50/60Hz |
| Fuse              | T2A 250V          |
| Dimensions        | 222 x 344 x 153mm |
| Weight            | 4.7kg             |
| Order code        | LEDJ210           |





01 - Fuse: T2A 250V  
02 - IEC power input  
03 - IEC power output  
04 - Earth point

05 - 3-Pin DMX input  
06 - 3-Pin DMX output  
07 - LED display  
08 - MODE button

09 - UP button  
10 - DOWN button

In the box: **1 x fixture,**  
**1 x power cable &**  
**1 x user manual**

### DMX address mode:

To access static mode press **"MODE"** until the display shows *Addr* on the LED display and use the **"UP"** and **"DOWN"** buttons to select the DMX address required *001 ~ 512*.

To exit out of any of the above options, press the **"MODE"** button.

### DMX channel mode:

To access static mode press **"MODE"** until the display shows *Ch* on the LED display and use the **"UP"** and **"DOWN"** buttons to select one of the between 4 or 6 channel modes.

To exit out of any of the above options, press the **"MODE"** button.

### 4 channel mode:

| Channel | Value   | Function       |
|---------|---------|----------------|
| 1       | 000-255 | Red (0-100%)   |
| 2       | 000-255 | Green (0-100%) |
| 3       | 000-255 | Blue (0-100%)  |
| 4       | 000-255 | White (0-100%) |

### Static colour mode:

To access static mode press **"MODE"** until the display shows **001** on the LED display and use the **"UP"** and **"DOWN"** buttons to select one of the 15 colours **001 ~ 015**. To exit out of any of the above options, press the **"MODE"** button.

|                  |                    |                   |                  |                    |
|------------------|--------------------|-------------------|------------------|--------------------|
| 001 - Red        | 002 - Green        | 003 - Blue        | 004 - White (W)  | 005 - Yellow       |
| 006 - Purple     | 007 - Cyan         | 008 - White (RGB) | 009 - Pink       | 010 - Light Green  |
| 011 - Light Blue | 012 - Light Yellow | 013 - Magenta     | 014 - Light Cyan | 015 - White (RGBW) |

### Built-in program mode:

To access the fixtures built-in programs press **"MODE"** until the display shows **P01** on the LED display and use the **"UP"** and **"DOWN"** buttons to select one of the 9 built-in programs **P01 ~ P09**.

To exit out of any of the above options, press the **"MODE"** button.

|     |                 |     |                       |     |                        |
|-----|-----------------|-----|-----------------------|-----|------------------------|
| P01 | 7 colour change | P04 | 3 colour fade         | P07 | 15 colour change       |
| P02 | 7 colour fade   | P05 | 7 colour sound active | P08 | 15 colour fade         |
| P03 | 3 colour change | P06 | 3 colour sound active | P09 | 15 colour sound active |

### Slave mode:

Press the **"MODE"** button on the rear of the unit to show **Add** on the LED display and use the **"UP"** and **"DOWN"** buttons until the display shows **001** the unit will now run in sequence with the master unit. To exit out of any of the above options, press the **"MODE"** button.

Please ensure that all slave units are set to the same DMX channel mode as the master unit.

### Sound active mode:

To access sound active press **"MODE"** until the display shows **599** on the LED display and use the **"UP"** and **"DOWN"** buttons to select the sensitivity level **500 ~ 599**.

(S00 - low sensitivity, S99 - high sensitivity).

To exit out of any of the above options, press the **"MODE"** button.

### RGB colour mixing:

To select the RGB colour mixing mode, press the **"MODE"** button to show **r - -** on the LCD display. Now press use the **"UP"** and **"DOWN"** buttons to select the amount of red required. Press the **"MODE"** button and repeat for Green, Blue and White (00-99).

To exit out of any of the above options, press the **"MODE"** button.

### 6 channel mode:

| Channel | Value   | Function               |
|---------|---------|------------------------|
| 1       | 000-255 | Red (0-100%)           |
| 2       | 000-255 | Green (0-100%)         |
| 3       | 000-255 | Blue (0-100%)          |
| 4       | 000-255 | White (0-100%)         |
| 5       | 000-255 | Master dimmer (0-100%) |
| 6       | 000     | DMX control CH1-CH5    |
|         | 001-005 | 15 colour sound active |
|         | 006-010 | DMX control CH1-CH5    |
|         | 011-255 | Strobe (slow-fast)     |

### Setting the DMX address:

The DMX mode enables the use of a universal DMX controller. Each fixture requires a “start address” from 1- 512. A fixture requiring one or more channels for control begins to read the data on the channel indicated by the start address. For example, a fixture that occupies or uses 7 channels of DMX and was addressed to start on DMX channel 100, would read data from channels: 100,101,102,103,104,105 and 106. Choose a start address so that the channels used do not overlap. E.g. the next unit in the chain starts at 107.

### DMX 512:

DMX (Digital Multiplex) is a universal protocol used as a form of communication between intelligent fixtures and controllers. A DMX controller sends DMX data instructions from the controller to the fixture. DMX data is sent as serial data that travels from fixture to fixture via the DATA “IN” and DATA “OUT” XLR terminals located on all DMX fixtures (most controllers only have a data “out” terminal).

### DMX linking:

DMX is a language allowing all makes and models of different manufactures to be linked together and operate from a single controller, as long as all fixtures and the controller are DMX compliant. To ensure proper DMX data transmission, when using several DMX fixtures try to use the shortest cable path possible. The order in which fixtures are connected in a DMX line does not influence the DMX addressing. For example; a fixture assigned to a DMX address of 1 may be placed anywhere in a DMX line, at the beginning, at the end, or anywhere in the middle. When a fixture is assigned a DMX address of 1, the DMX controller knows to send DATA assigned to address 1 to that unit, no matter where it is located in the DMX chain.

### DATA cable (DMX cable) requirements (for DMX operation):

This fixture can be controlled via DMX-512 protocol. The DMX address is set on the back of the unit. Your unit and your DMX controller require a standard 3-pin XLR connector for data input/output, see image below.



Further DMX cables can be purchased from all good sound and lighting suppliers or Pro Light Concepts dealers.

Please quote:

**CABL10 – 2m**

**CABL11 – 5m**

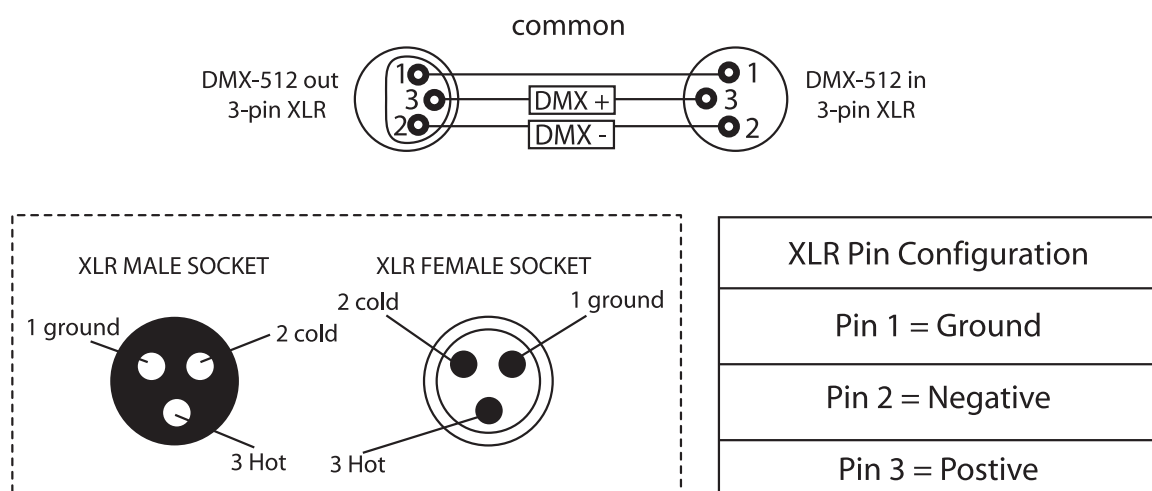
**CABL12 – 10m**

Also remember that DMX cable must be daisy chained and cannot be split.



### Notice:

Be sure to follow the diagrams below when making your own cables. Do not connect the cables shield conductor to the ground lug or allow the shield conductor to come in contact with the XLRs outer casing. Grounding the shield could cause a short circuit and erratic behaviour.



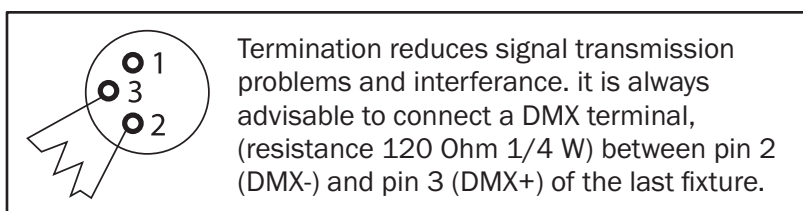
### Special note:

#### Line termination:

When longer runs of cable are used, you may need to use a terminator on the last unit to avoid erratic behaviour.

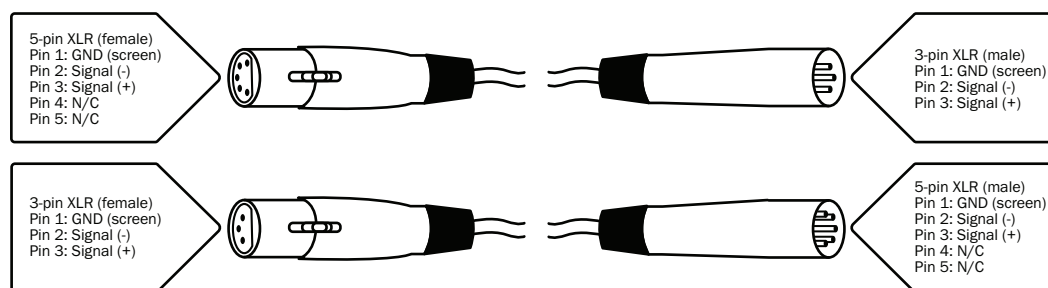
**Using a cable terminator will decrease the possibilities of erratic behaviour.**

**(3-pin - Order ref: CABL90, 5-pin - Order ref: CABL89)**



### 5-pin XLR DMX connectors:

Some manufactures use 5-pin XLR connectors for data transmission in place of 3-pin. 5-pin XLR fixtures may be implemented in a 3-pin XLR DMX line. When inserting standard 5-pin XLR connectors in to a 3-pin line a cable adaptor must be used. The diagram below details the correct cable conversion.





### ***Correct Disposal of this Product (Waste Electrical & Electronic Equipment)***

**(Applicable in the European Union and other European countries  
with separate collection systems)**

This marking shown on the product or its literature, indicates that it should not be disposed of with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

