LEDJ

200W COB UV Par
User Manual

Order code: LEDJ378

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.

CAUTION!
KEEP THIS EQUIPMENT AWAY FROM RAIN, MOISTURE AND LIQUIDS

CAUTION!
TAKE CARE USING THIS EQUIPMENT! HIGH VOLTAGE-RISK OF ELECTRIC SHOCK!!

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.

- This unit is not intended for fixed installation.

- 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. Keep a distance of at least 11feet (3.3m) to avoid direct eye and skin exposure. Do not operate the fixture if the external cover protective lens is damaged or missing. Avoid direct viewing of the UV light and refrain from using optical instruments or any device that may concentrate the light/radiation output. We advise users to take necessary precautions to minimise direct exposure to UV radiation and individuals suffering from a range of eye conditions, sunlight exposure disorders, or individuals using photosensitive medication, may receive discomfort if exposed to the ultraviolet (UV) light emitted from this fixture.

- 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.
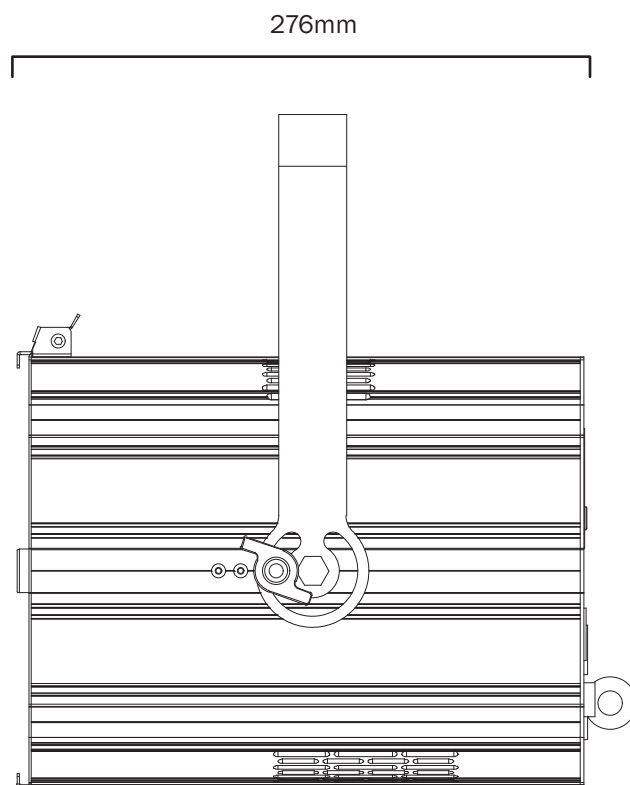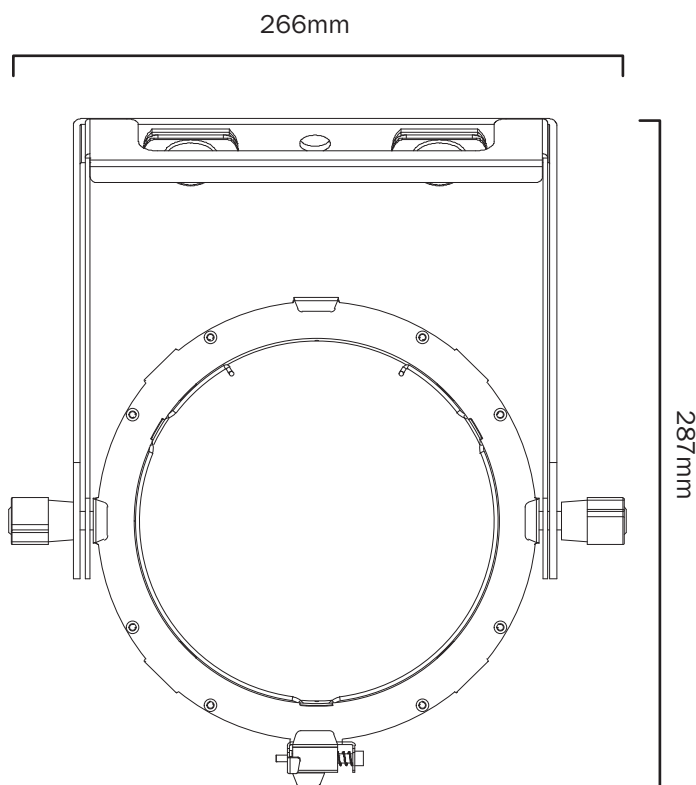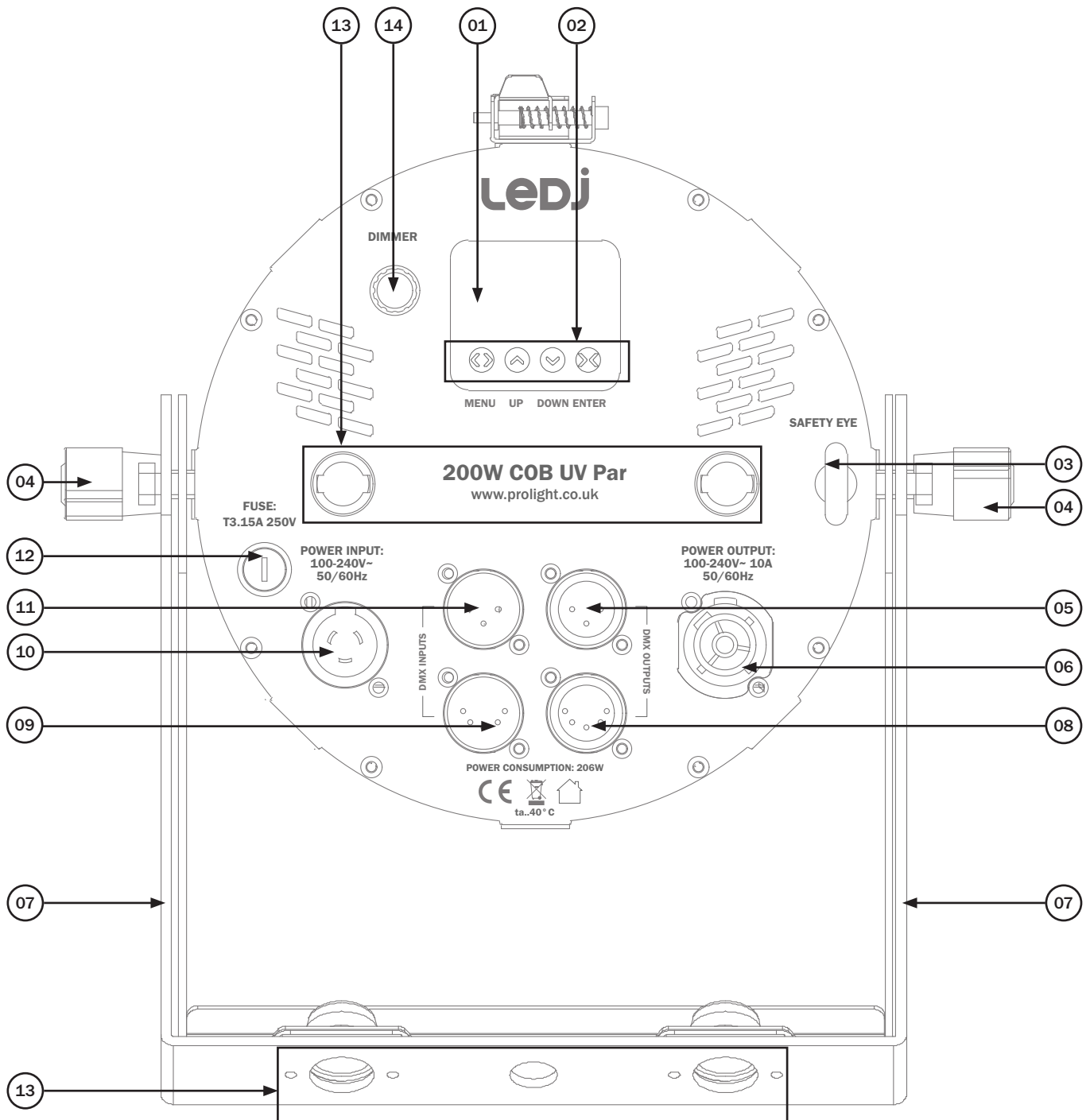
200W COB UV Par

The LEDJ 200W UV COB Par is a sleek and powerful lighting fixture loaded with a COB LED for high-output washes producing strong blacklight effects. It features an 80° beam angle and includes three interchangeable beam reduction lenses (25°, 40°, and 50°). This fixture has been designed to fill a variety of venues with a phenomenal UV glow.

- 1 x 200W UV COB LED
- Beam angle: 80° native, 25°, 40° and 50° beam reduction lenses included
- Ultra violet wavelength: 395-400nm
- Refresh rate: 1.5kHz
- DMX channels: 1 or 2 selectable
- Manual dimming mode via rotary control or menu
- 0-100% dimming
- Variable strobe
- Bracket allows for multiple rigging or floor standing applications
- Quick release omega clamp included
- 4 button menu with OLED display
- PowerTwist TR1 input/output
- 5-Pin XLR input/output
- 3-Pin XLR input/output
- Fan cooled

Specifications	200W COB RGBAL Par
Power consumption	206W
Power supply	100~240V, 50/60Hz
Fuse	T3.15A 250V
Dimensions	287 x 266 x 276mm
Weight	4.3kg
Order code	LEDJ378

266mm

276mm

287mm

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DIMMER

200W COB UV Par
www.prolight.co.uk

SAFETY EYE

FUSE:
T3.15A 250V

POWER INPUT:
100-240V~
50/60Hz

POWER OUTPUT:
100-240V~ 10A
50/60Hz

MENU   UP   DOWN ENTER

DMX INPUTS

DMX OUTPUTS

POWER CONSUMPTION: 206W

CE ta..40°C

01 - OLED display	08 - 5-Pin DMX output
02 - Function buttons	09 - 5-Pin DMX input
03 - Safety eye	10 - PowerCON input
04 - Adjustable knobs	11 - 3-Pin DMX input
05 - 3-Pin DMX output	12 - Fuse T3.15A 250V
06 - PowerCON output	13 - Omega clamp receivers
07 - Hanging bracket	14 - Master dimmer knob

In the box: **1 x fixture,**
1 x 25° beam reduction lens,
1 x 40° beam reduction lens,
1 x 50° beam reduction lens,
1 omega clamp & 1 x power cable

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Installation:

1. Fasten each clamp to the omega clamps with a bolt and lock nut through the hole in the omega clamp.

2. Align and insert the omega clamp quick-lock fasteners with the respective holes on the bracket of the unit.

3. Tighten both locking fasteners clockwise on each omega clamp ensuring they're fully secure.

4. Mount the fixture onto your truss system via the clamps and tighten to ensure that it's secure.

5. Pull the safety cable through the safety cable holes located on the metal base plate on the underside of the fixture and around the truss.
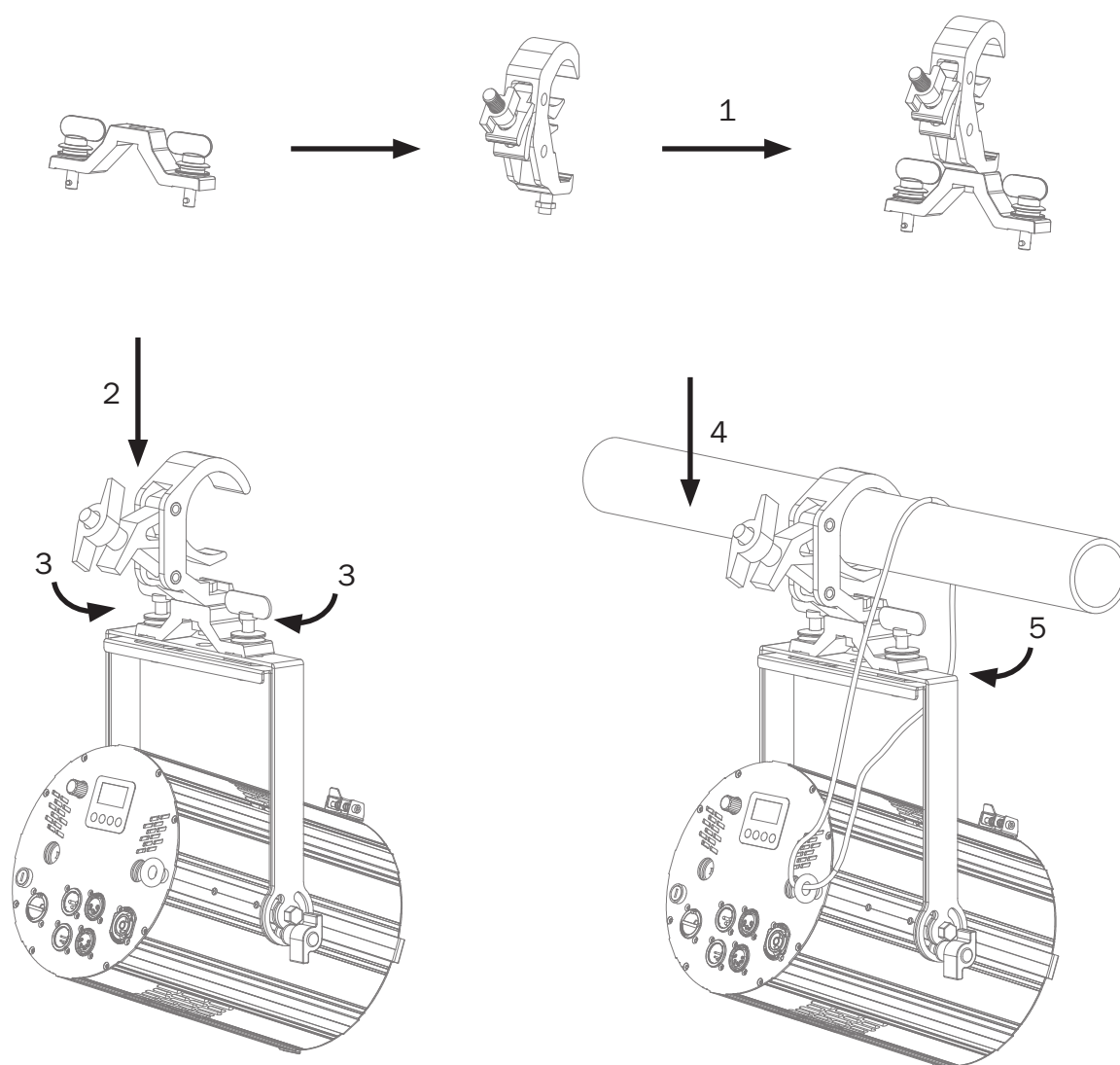
Installation:

1. Fasten each clamp to the omega clamps with a bolt and lock nut through the hole in the omega clamp.

2. Align and insert the omega clamp quick-lock fasteners with the respective holes on the bottom of the unit.

3. Tighten both locking fasteners clockwise on each omega clamp ensuring they're fully secure.

4. Mount the fixture onto your truss system via the clamps and tighten to ensure that it's secure.

5. Pull the safety cable through the safety cable holes located on the metal base plate on the underside of the fixture and around the truss.
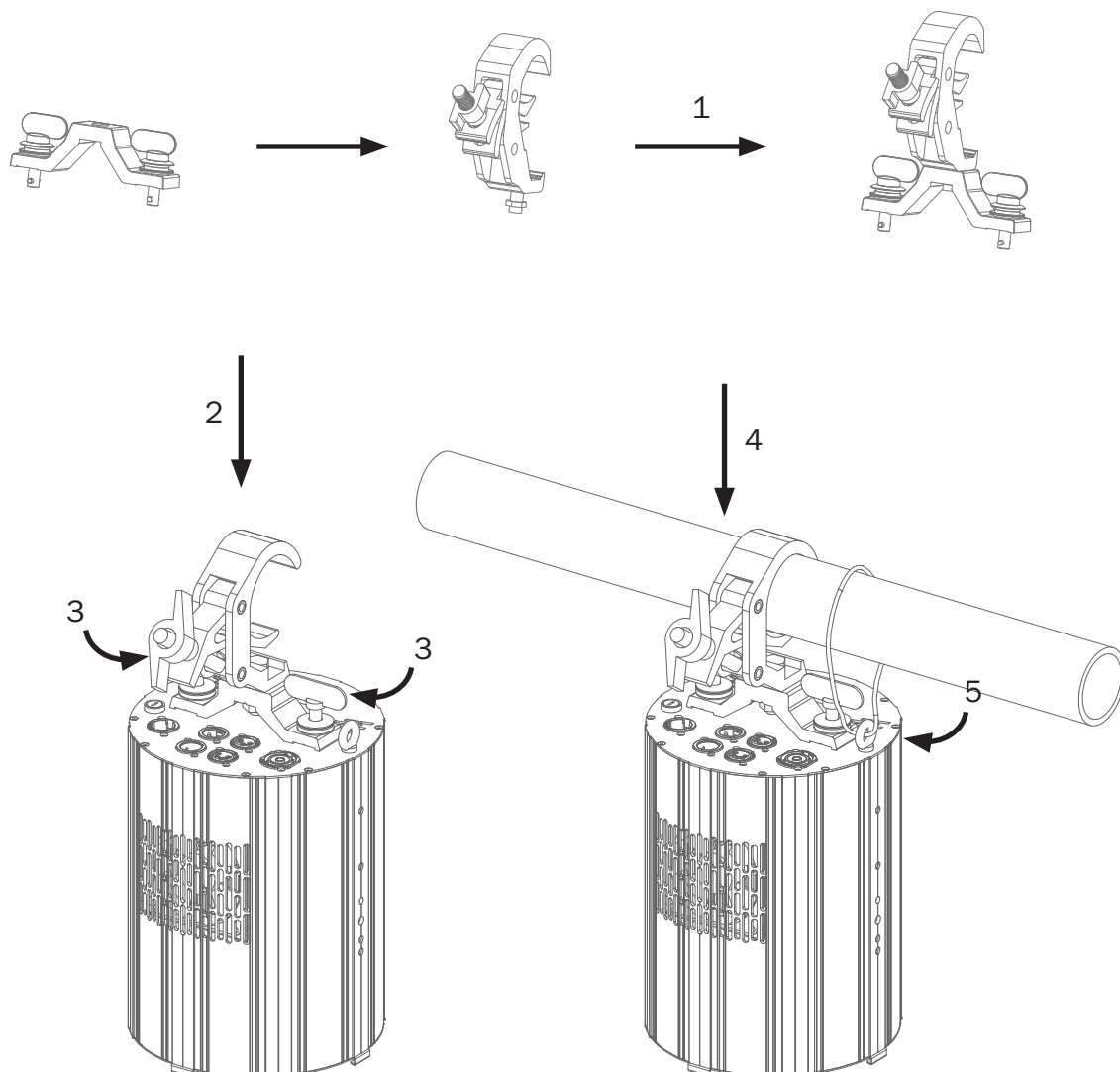
Main Menu	Sub Menu	Options/Values (Default Settings in BOLD)
DMX Functions	DMX Address	**001**-512
	Mode	1 Channel
		2 Channel
	DMX Fail	**Manu defined**
		Hold
		Blackout
	View DMX Value	Dimmer
		Shutter
Fixture Settings	Mode	**Rotary Knob**
		Manu Defined
Display Settings	Display Inverse	**No**
		Yes
	Backlight Auto Off	No
		Yes
	Display	0-30 (**15**)
Manual	Dimmer	**000**-255
	Shutter	**000**-255
Fixture Information	Fixture Hour	XXX
	Firmware Version	CPU-A V 0.0 B 1.0
Special Functions	Factory Settings	**No**
		Yes

DMX mode:

Channel		Value	Function
01	02		
1	1	000-255	Master dimmer (0-100%)
-	2	000-019	LED off
		021-024	LED on
		025-064	Strobe (slow-fast)
		065-069	LED on
		070-084	Strobe (fast close, slow open)
		085-089	LED on
		90-104	Strobe (slow close, fast open)
		105-109	LED on
		110-124	Strobe (random)
		125-129	LED on
		130-144	Strobe (random - fast close, slow open)
		145-149	LED on
		150-164	Strobe (random - slow close, fast open)
		165-169	LED on
		170-184	Strobe (burst pulse)
		185-189	LED on
		190-204	Strobe (random - burst pulse)
		205-209	LED on
		210-224	Strobe (slow close, slow open)
		225-229	LED on
		230-244	Strobe (burst)
		245-255	LED on

Rotary knob mode

Value	Function
000-255	Master dimmer (0-100%)

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 form 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 requires either a standard 3-pin or 5-pin XLR connector for data input/output, see images below.
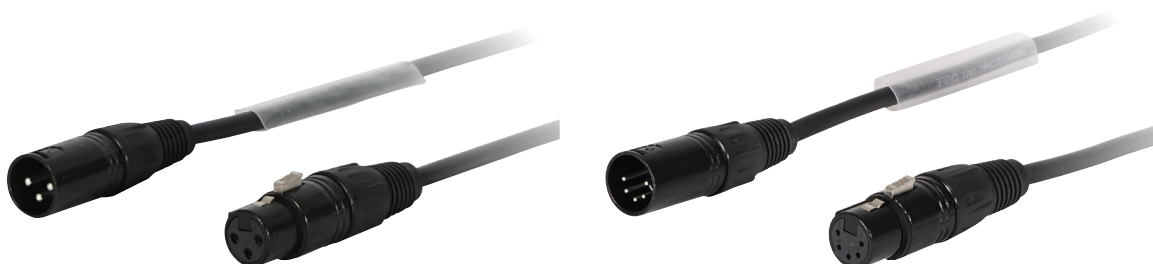
Further DMX cables can be purchased from all good sound and lighting suppliers or Prolight Concepts dealers.
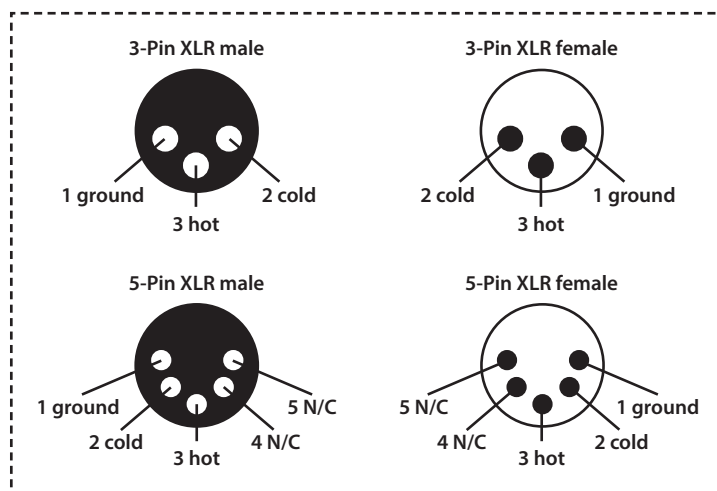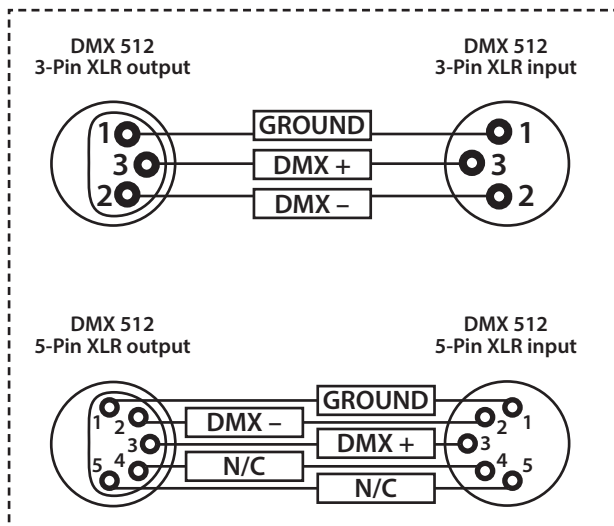
Please quote:	3-Pin:	CABL10 – 2m	CABL11 – 5m	CABL12 – 10m
	5-Pin:	CABL185 – 2m	CABL187 – 5m	CABL188 – 10m

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.

Pin Configuration	
3-Pin	**5-Pin**
Pin 1 - Ground	
Pin 2 - Negative	
Pin 3 - Positive	
–	Pin 4 - N/C
–	Pin 5 - N/C

DMX 512
3-Pin XLR output

DMX 512
3-Pin XLR input

GROUND
DMX +
DMX –

DMX 512
5-Pin XLR output

DMX 512
5-Pin XLR input

DMX –
GROUND
DMX +
N/C
N/C

3-Pin XLR male
1 ground   2 cold
3 hot

3-Pin XLR female
2 cold   1 ground
3 hot

5-Pin XLR male
1 ground   5 N/C
2 cold   4 N/C
3 hot

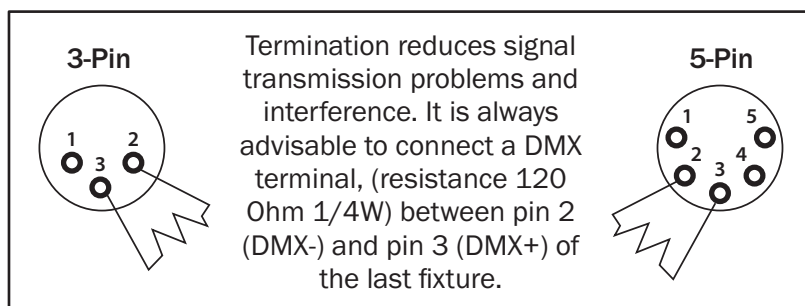**5-Pin XLR female**
5 N/C   1 ground
4 N/C   2 cold
3 hot

Line termination:

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

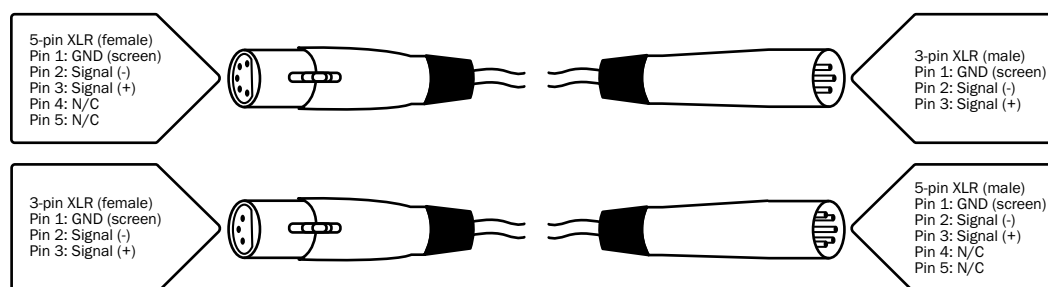**Using a cable terminator will decrease the possibilities of erratic behaviour. (3-pin - Order ref: CABL90, 5-pin - Order ref: CABL89)**

3-Pin
1 2
3

Termination reduces signal transmission problems and interference. It is always advisable to connect a DMX terminal, (resistance 120 Ohm 1/4W) between pin 2 (DMX-) and pin 3 (DMX+) of the last fixture.

5-Pin
1   5
2   4
3

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.

5-pin XLR (female)
Pin 1: GND (screen)
Pin 2: Signal (-)
Pin 3: Signal (+)
Pin 4: N/C
Pin 5: N/C

3-pin XLR (male)
Pin 1: GND (screen)
Pin 2: Signal (-)
Pin 3: Signal (+)

3-pin XLR (female)
Pin 1: GND (screen)
Pin 2: Signal (-)
Pin 3: Signal (+)

5-pin XLR (male)
Pin 1: GND (screen)
Pin 2: Signal (-)
Pin 3: Signal (+)
Pin 4: N/C
Pin 5: N/C

<u>Power linking:</u>

This fixture provides power linking via the power output on the rear allowing multiple units to be connected together. The maximum number of fixtures that can be connected is 6 fixtures @ 240V or 3 fixtures @ 120V (including the first fixture). After the maximum number of fixtures are connected a new power run will need to be started.

Please note: Caution should be used when power linking other fixtures to the 200W COB UV Par as the power consumption of other fixtures will vary. Fixtures fitted with lamps often require 2/3 times more current on startup, these may require their own power source.

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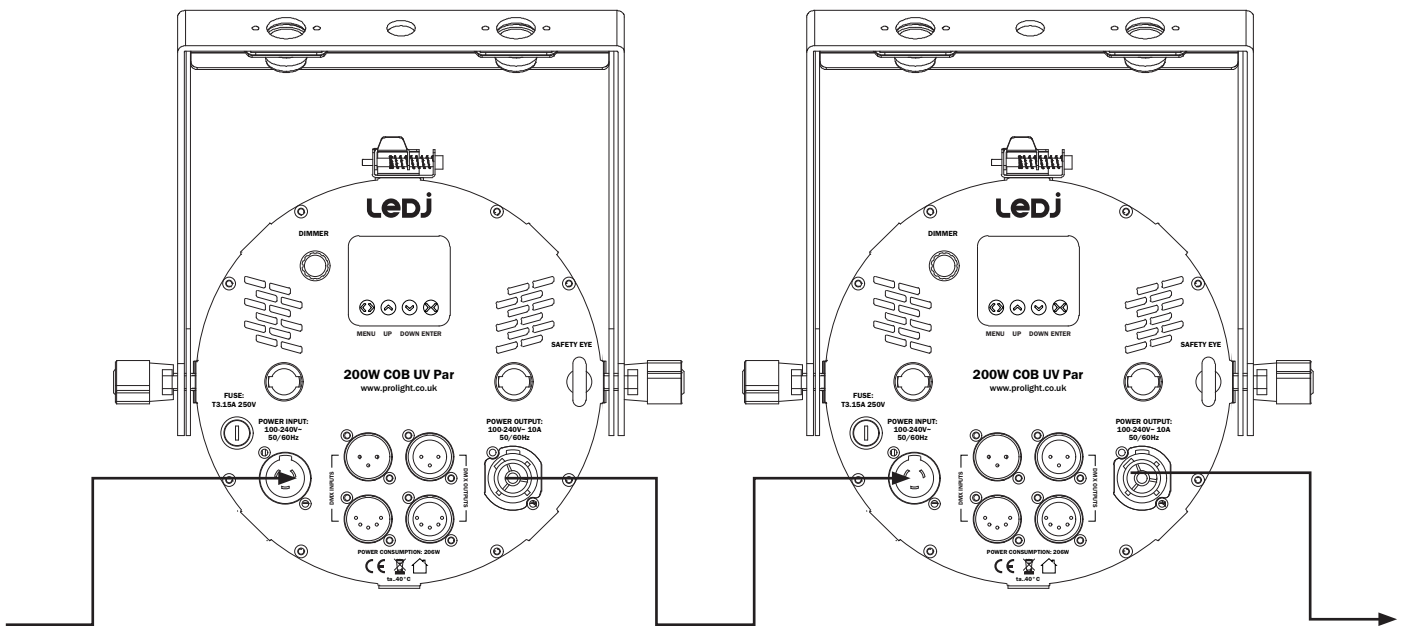
Correct Disposal of this Product
(Waste Electrical & Electronic Equipment)

**(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 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.

CE