200W COB CW/WW Par

User Manual

Order code: LEDJ374

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.
- 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.

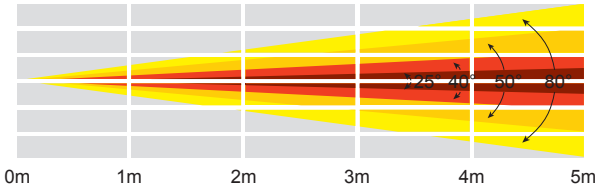
200W COB CW/WW Par

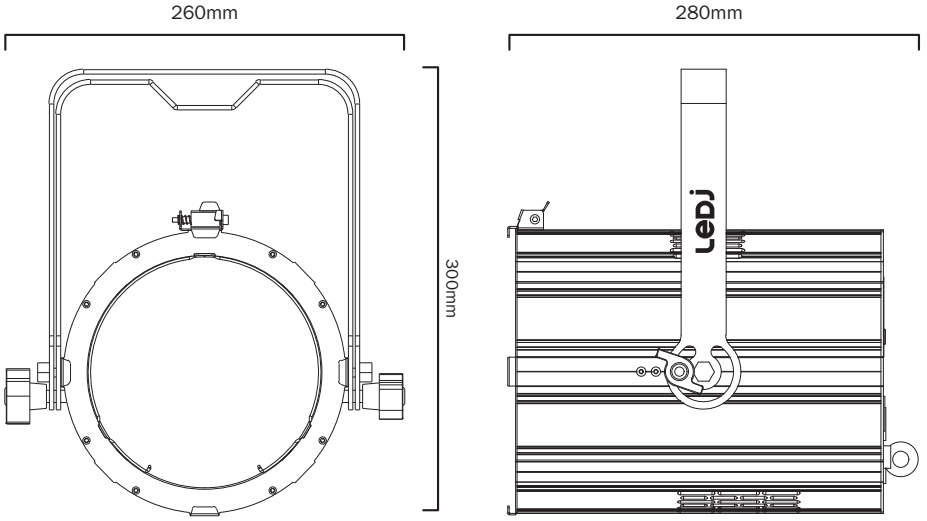
The LEDJ 200W COB CW/WW Par is a powerful lighting fixture with a COB LED for multiple applications. It features a high CRI for accurate colour representation, an 80° beam angle and includes three interchangeable beam reduction lenses (25°, 40°, and 50°). The 4-button menu display allows easy access to built-in colour temperature presets and DMX modes.

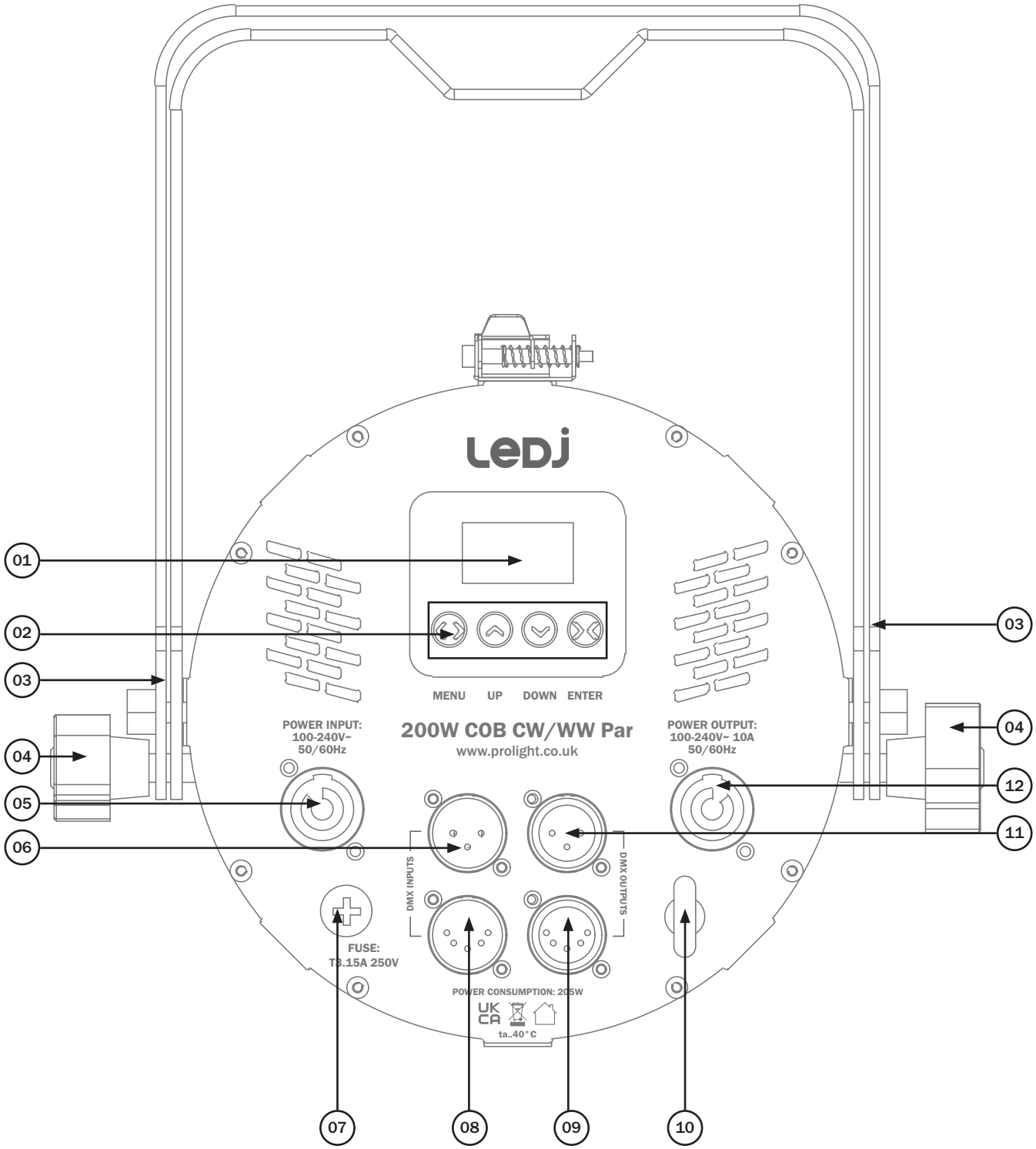
- 1 x 200W cool white (6600K) and warm white (2800K) COB LED (CW/WW)
- Beam angle: 80° native, 25°, 40° and 50° beam reduction lenses supplied
- 80° - 3,789 Lux @ 2m (full on)
- 25° - 24,351 Lux @ 2m (full on)
- 40° - 9,102 Lux @ 2m (full on)
- 50° - 7,183 Lux @ 2m (full on)
- Refresh rate: 900Hz, 1kHz, 1.2kHz, 1.5kHz, 2.5kHz, 4kHz, 5kHz, 10kHz, 15kHz or 20kHz selectable
- DMX channels: 2/4/5 or 7 selectable
- CRI: CW-90, WW-93
- Manual and master/slave modes plus colour temperature presets
- 0-100% dimming
- Variable strobe
- Bracket allows for multiple rigging or floor standing applications
- 4 push button menu with OLED display
- PowerCON input/output
- 5-Pin XLR input/output
- 3-Pin XLR input/output
- Fan cooled
- Filter frame included

Specifications	200W COB CW/WW Par
Power consumption	205W
Power supply	100~240V, 50/60Hz
Fuse	T3.15A 250V
Dimensions	300 x 260 x 280mm
Weight	4.3kg
Order code	LEDJ374

25° - Lux					
FULL ON	97404	24351	10823	6088	3896
CW	59024	14756	6558	3689	2361
WW	41360	10340	4595	2585	1654
40° - Lux					
FULL ON	36408	9102	4045	2275	1456
CW	22644	5661	2516	1415	906
WW	14840	3710	1649	927	594
50° - Lux					
FULL ON	28732	7183	3192	1796	1149
CW	18076	4519	2008	1130	723
WW	11824	2956	1314	739	473
80° - Lux					
FULL ON	15156	3789	1684	947	606
CW	9640	2410	1071	602	386
WW	6304	1576	700	394	252







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

In the box:
1 x fixture, 1 x filter frame,
1 x 25° beam reduction lens,
1 x 40° beam reduction lens,
1 x 50° beam reduction lens,
& 1 x power cable

Main Menu	Sub Menu	Options/Values (Default Settings in BOLD)
DMX Address	DMX Address	**001**-512
	Channel	2 Channel
		4 Channel
		5 Channel
		7 Channel
	Dimmer Curve	**Linear**
		Square Law
		Inv SQ Law
		S Curve
	LED Refresh	900Hz, 1000Hz, 1200Hz, 1500Hz, 2500Hz, 4000Hz, 5000Hz, 10kHz, **15kHz**, 20kHz
	DMX Fail	Blackout
		Last
		Program
Master/Slave	Slave	Master
		Slave
Manual Dimming	CW	000-**255**
	WW	000-**255**
	Flash	**0**-15
Static CCT	Colour	2800K, 3200K, 3600K, 4000K, 4400K, 5600K, 6000K, 6600K
	Flash	**0**-15
Display	Display Backlight Auto	**On**
		Off
	Display Inverse	**No**
		Yes
	Display Contrast	1-10 **(9)**
Fixture Information	Fixture use time	0
	Fixture version	CPU-A V 1.0 B 1.0
Reset Factory	Default No	**No**
		Yes

DMX mode:

2 channel mode:

Channel	Value	Function
1	000-255	Cool White dimmer (0-100%)
2	000-255	Warm White dimmer (0-100%)

4 channel mode:

Channel	Value	Function	
1	000-255	Cool White dimmer (0-100%)	
2	000-255	Warm White dimmer (0-100%)	
3	000-020	Linear	Dimming curve
	021-040	Square Law	
	041-060	Inverse Square Law	
	061-080	S-Curve	
	081-255	Default (set via menu)	
4	000-015	Default (set via menu)	
	016-040	900Hz	
	041-065	1000Hz	
	066-090	1200Hz	
	091-115	1500Hz	
	116-140	2500Hz	
	141-165	4000Hz	
	166-190	5000Hz	
	191-215	10KHz	
	216-240	15KHz	
	241-255	20KHz	

5 channel mode:

Channel	Value	Function	
1	000-255	Cool White dimmer (0-100%)	
2	000-255	Warm White dimmer (0-100%)	
3	000-255	Master dimmer (0-100%)	
4	000-020	Linear	Dimming curve
	021-040	Square Law	
	041-060	Inverse Square Law	
	061-080	S-Curve	
	081-255	Default (set via menu)	
5	000-015	Default (set via menu)	
	016-040	900Hz	
	041-065	1000Hz	
	066-090	1200Hz	
	091-115	1500Hz	
	116-140	2500Hz	
	141-165	4000Hz	
	166-190	5000Hz	
	191-215	10KHz	
	216-240	15KHz	
	241-255	20KHz	

DMX mode (cont.):

7 channel mode:

Channel	Value	Function	
1	000-255	Cool White dimmer (0-100%)	
2	000-255	Warm White dimmer (0-100%)	
3	000	No Function	
	001-255	Variable White (3200K - 6400K)	
4	000-031	No Function	
	032-063	Open	
	064-095	Strobe (slow-fast)	
	096-127	Open	
	128-159	Strobe Burst (slow-fast)	
	160-191	Open	
	192-223	Random Strobe (slow-fast)	
	224-255	Open	
5	000-255	Master dimmer (0-100%)	
6	000-020	Linear	Dimming curve
	021-040	Square Law	
	041-060	Inverse Square Law	
	061-080	S-Curve	
	081-255	Default (set via menu)	
7	000-015	Default (set via menu)	
	016-040	900Hz	
	041-065	1000Hz	
	066-090	1200Hz	
	091-115	1500Hz	
	116-140	2500Hz	
	141-165	4000Hz	
	166-190	5000Hz	
	191-215	10KHz	
	216-240	15KHz	
	241-255	20KHz	

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.

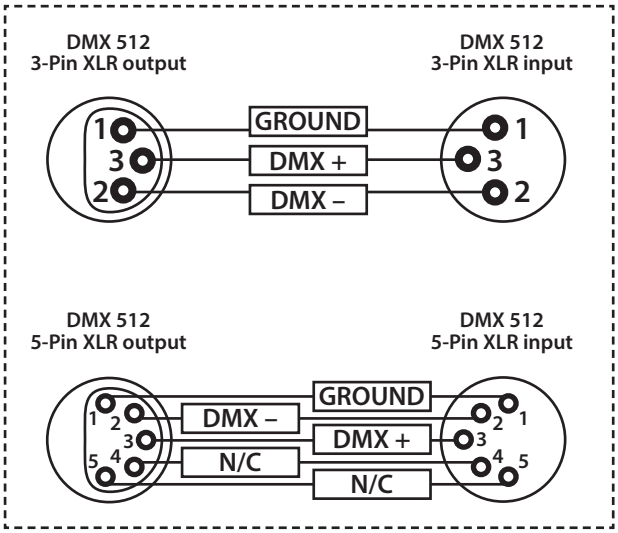
Please quote:	3-Pin:	**CABL10 – 2m**	**CABL11 – 5m**	**CABL12 – 10m**
	5-Pin:	**CABL185 – 2m**	**CABL187 – 5m**	**CABL188 – 10m**

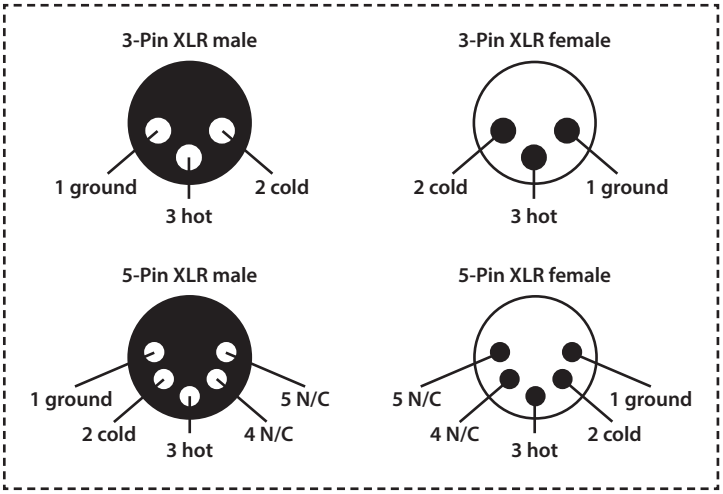
Also remember that DMX cable must be daisy chained and cannot be split.

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

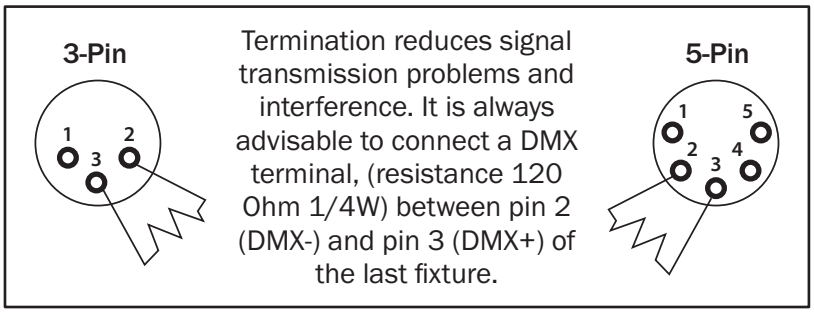




Line termination:

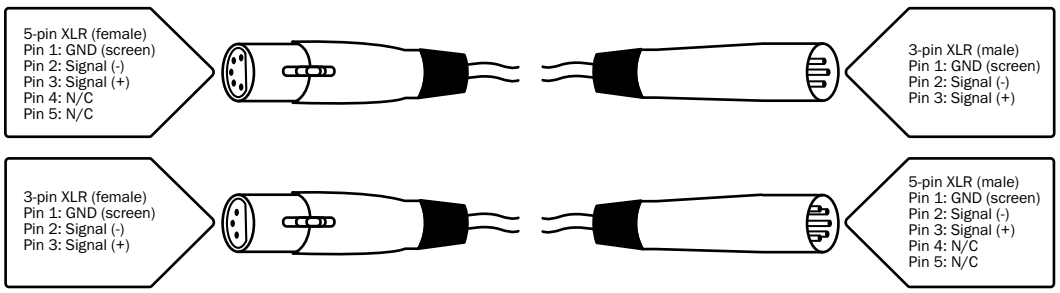
When longer runs of cable are used, you may need to use a terminator on the last unit to avoid erratic behaviour.

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:

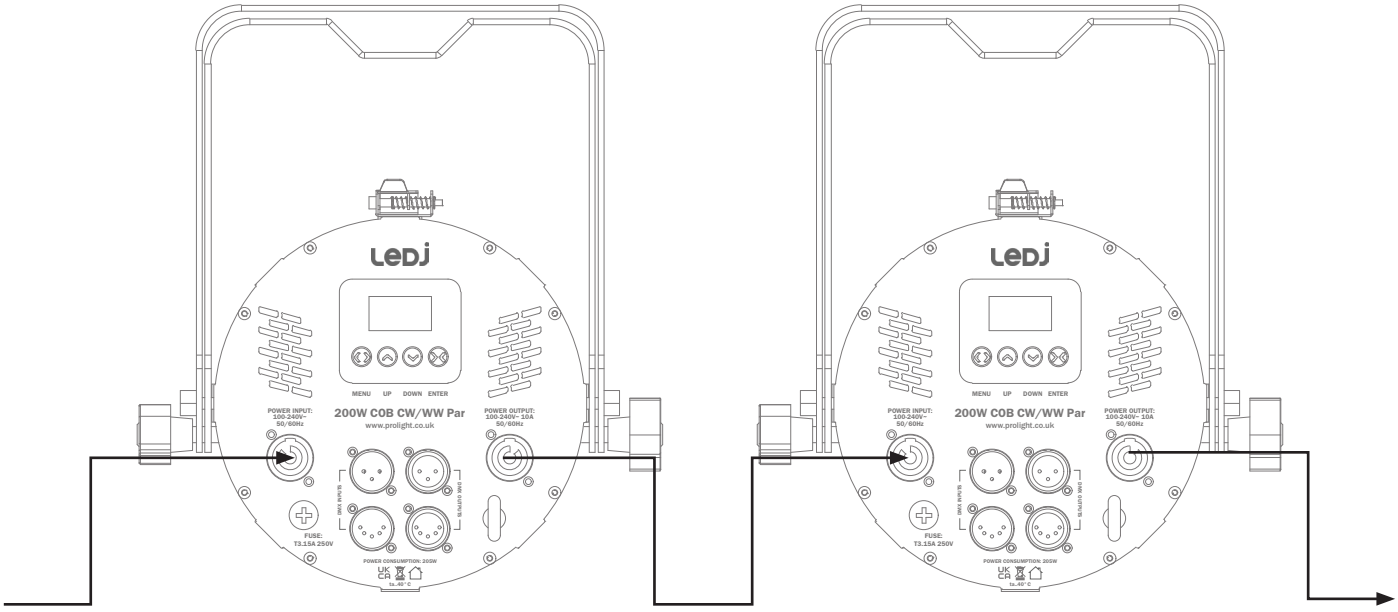
Some manufactures use 5-pin XLR connectors for data transmission in place of 3-pin. 5-pin XLR fixtures may be implemented in a 3-pin XLR DMX line. When inserting standard 5-pin XLR connectors in to a 3-pin line a cable adaptor must be used. The diagram below details the correct cable conversion.



Power linking:

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 12 fixtures @ 240V or 6 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 CW/WW 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.



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.