LEDJ

Spectra Par 15Q8
Exterior Fixture

User Manual

Order code: LEDJ281

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!
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.
- 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 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.

![LEDj logo]

Spectra Par 15Q8

The exterior Spectra Par 15Q8 features 15 x 8W quad-colour LEDs, delivering a smooth wash of colour, ranging from intense, rich saturated hues through to pastel shades. Controllable via the onboard 4 button LED menu system for auto, static colour or master/slave modes, with the option of DMX control for larger installations. The silent running, convection cooled heavy-duty alloy enclosure features IP65 rated connectors for both DMX and mains input/output.

IP65

- 15 x 8W quad-colour LEDs (RGBW)
- Beam angle: 28°
- 6,454 Lux @ 2m (full on)
- 3kHz refresh rate
- DMX channels: 4, 6 or 8 selectable
- Static colour, colour change, colour fade

- and master/slave modes
- 0 - 100% dimming and variable strobe
- 4 push button menu with LED display
- IP rated power input/output
- IP rated 3-Pin DMX input/output

Specifications	Spectra Par 15Q8
Power consumption	130W
Power supply	100~240V, 50/60Hz
Dimensions	340 x 295 x 170mm
Weight	4.53kg
Order code	LEDJ281

28° - Lux

FULL ON	25816	6454	2868	1613	1032
R	4912	1228	545	307	196
G	7320	1830	813	457	292
B	1960	490	217	122	78.4
W	7756	1939	861	484	310

28°

0m   1m   2m   3m   4m   5m

295mm   170mm

340mm
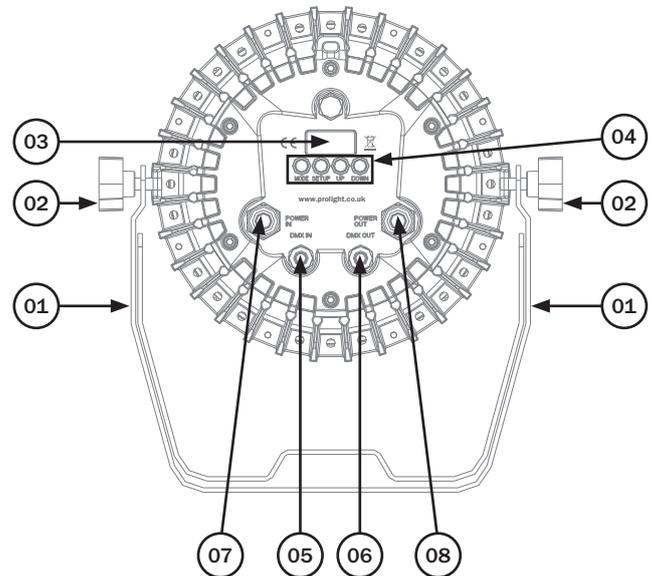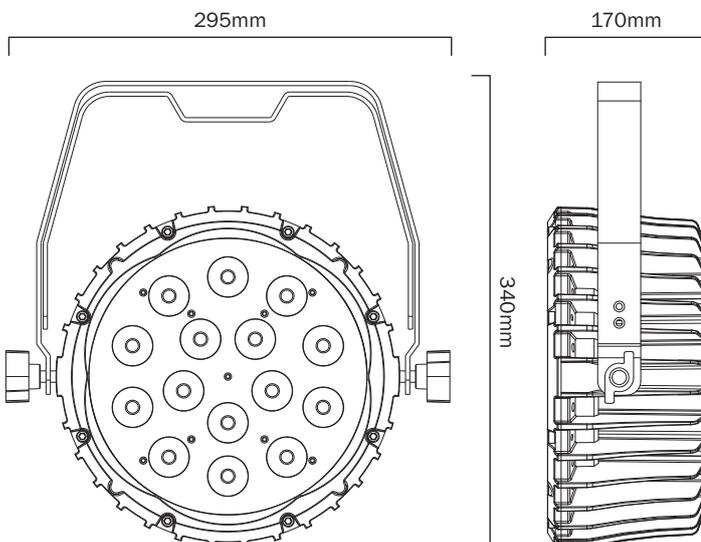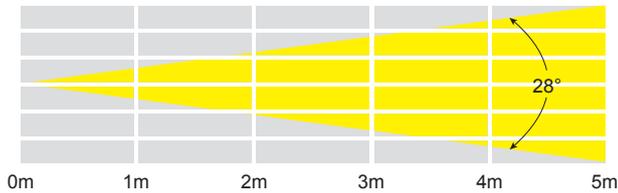
01 - Bracket
02 - Bracket tightening knobs
03 - LED display
04 - Function buttons
05 - IP rated DMX input
06 - IP rated DMX ouput

07 - IP rated power input
08 - IP rated power ouput

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

> **IMPORTANT! PLEASE NOTE:** The LED display for this fixture has a menu locking function where after 30 seconds of inactivity it will lock. To unlock the menu hold the "**MODE**" and "**DOWN**" buttons for 3 seconds.

DMX channel mode:

Operating in a DMX control mode environment gives the user the greatest flexibility when it comes to customising or creating a show. In this mode you will be able to control each individual trait of the fixture and each fixture independently.

To access the DMX channel mode, press the "**MODE**" button on the rear of the unit to show *d001* on the LED display. Now use the "**UP**" and "**DOWN**" buttons to set the desired DMX address. Now press the "**SETUP**" button to choose one of the 4, 6 or 8 DMX channel modes, press the "**SETUP**" button to confirm the setting.

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%)

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	000-255	Strobe (slow-fast)

8 channel mode:

Channel	Value	Function	
1	000-255	Master dimmer (0-100%)	
2	000-255	Red (0-100%)	
3	000-255	Green (0-100%)	
4	000-255	Blue (0-100%)	
5	000-255	White (0-100%)	
6	000	No function	
	001-026	Program 1	When 001-026 use CH7 for static colours.
	027-053	Program 2	
	054-080	Program 3	
	081-107	Program 4	
	108-134	Program 5	
	135-161	Program 6	When 027-255 use CH7 for speed (slow-fast)
	162-188	Program 7	
	189-215	Program 8	
	216-242	Program 9	
	243-255	Program 10	

8 channel mode (cont.):

Channel	Value	Function	
7	000-018	No function	
	019-037	R	
	038-056	RG	
	057-075	RG	
	076-094	G	
	095-113	GB	
	114-132	B	Speed (slow-fast) when CH6 is 027-255
	133-151	RB	
	152-170	RB	
	171-189	W	
	190-208	RW	
	209-227	GW	
	228-246	BW	
	247-255	RGBW	
8	000-255	Strobe (slow-fast)	

Built-in program mode:

To access the built-in program mode press "**MODE**" until the display shows $Pr.01$ on the LED display. Press "**SETUP**" to confirm the setting. Use the "**UP**" and "**DOWN**" buttons to select a program from $Pr.01 \sim Pr.10$. Press the "**SETUP**" button to confirm the setting.

To change the speed of the selected program press the "**SETUP**" button and then use the "**UP**" and "**DOWN**" buttons to select any value from $SP00 \sim SP99$. Press the "**SETUP**" button to confirm the setting, then use the "**UP**" and "**DOWN**" buttons to select and value from $FS00 \sim FS99$ for the strobe feature. Press the "**SETUP**" button to confirm the setting.

In $Pr.01$ you are able to set a specific static colour. When in $Pr.01$ press the "**SETUP**" button and then use the "**UP**" and "**DOWN**" buttons to go through the static colours. Press the "**SETUP**" button to confirm the setting, then use the "**UP**" and "**DOWN**" buttons to select and value from $FS00 \sim FS99$ for the strobe feature. Press the "**SETUP**" button to confirm the setting.

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

Programs:

Pr.01	Static colour
Pr.02	4 colour fade in/out
Pr.03	10 colour fade in/out
Pr.04	Colour fade
Pr.05	4 colour change

Pr.06	10 colour change
Pr.07	Red continous fade
Pr.08	Green continous fade
Pr.09	Blue continous fade
Pr.10	White continous fade

Static colours:

0.0FF - Blackout	7-rb - Violet
1--r - Red	8-rb - Magenta
2-rg - Orange	9--u - White
3-rg - Yellow	10.-ru - Pastel red
4--g - Green	11-gu - Pastel green
5-gb - Cyan	12-bug - Pastel blue
6--b - Blue	13-on - RGBW

Master/slave mode:

To set the master unit, press the "**MODE**" button on the rear of the master unit then select your desired program (sound active, auto, static colour or one of the built-in programs). To set the other units in slave mode, press the "**MODE**" button on the rear of the unit to show $SLAU$ on the LED display and press the "**SETUP**" button to confirm the setting. The units 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.

Auto mode:

To access the auto mode press "**MODE**" until the display shows $Auto$ on the LED display. The fixture will now run through its built in programs $Pr.02 \sim Pr.10$. To exit out of any of the above options, press the "**MODE**" button. NOTE: The user can set up the speed and flash speed for $Pr.02 \sim Pr.10$ under the built in programs mode. Changing this here will then take effect when running auto mode.

RGBW colour mix mode:

To access the static colour mode press "**MODE**" until $Colr$ shows on the LED display.
Now press the "**SETUP**" button and use the "**UP**" and "**DOWN**" buttons to select the brightness between $r.000 \sim r.255$. Press the "**SETUP**" button and repeat for green (G), blue (b) and white (u).
Value: 000 - 255 (000 = low brightness, 255 = high brightness)
To exit out of any of the above options, press the "**MODE**" button.

Fixture hours:

To access the fixture hours press "**MODE**" until $LiFE$ shows on the LED display.
Now press the "**SETUP**" button and the fixture hours will be displayed.
To exit out of any of the above options, press the "**MODE**" button.

Factory reset:

To reset the fixture to factory settings, power the fixture off. Press and hold the "**MODE**" and "**SETUP**" buttons whilst powering the unit up. Keep hold of the "**MODE**" and "**SETUP**" buttons for 3 seconds after power up. The unit will now have reset to factory settings.

Menu system

Built-in program	$Pr.01$ Static colour $Pr.02$ 4 colour fade in/out $Pr.03$ 10 colour fade in/out $Pr.04$ Colour fade $Pr.05$ 4 colour change $Pr.06$ 10 colour change $Pr.07$ Red continous fade $Pr.08$ Green continous fade $Pr.09$ Blue continous fade $Pr.10$ White continous fade $SP00{\sim}SP99$ (speed) $FS00{\sim}FS99$ (flash)
RGBW colour mix mode	$r.000{\sim}r.255$ Red $g.000{\sim}g.255$ Green $b.000{\sim}b.255$ Blue $u.000{\sim}u.255$ White
Auto mode	$AUTO$
Slave mode	$SLAU$
DMX mode	4CH, 6CH, 8CH
Address setting	$d001{\sim}d512$
Fixture hours	$LiFE$

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.

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

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.

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

LEDJ 1m Interior - Exterior DMX cable	LEDJ 1m Exterior DMX cable	LEDJ 2m Exterior DMX cable	LEDJ 5m Exterior DMX cable	LEDJ 10m Exterior DMX cable
Order code: LEDJ91	Order code: LEDJ141	Order code: LEDJ142	Order code: LEDJ143	Order code: LEDJ144

LEDJ 1m Exterior Power cable	LEDJ 2m Exterior Power cable	LEDJ 5m Exterior Power cable	LEDJ 10m Exterior Power cable	LEDJ Spectra Series End Cap Set
Order code: LEDJ146	Order code: LEDJ147	Order code: LEDJ148	Order code: LEDJ149	Order code: LEDJ93

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.
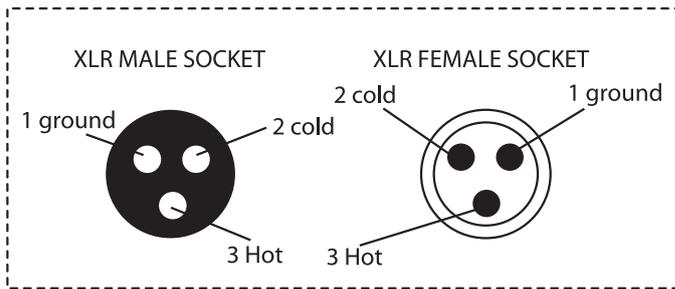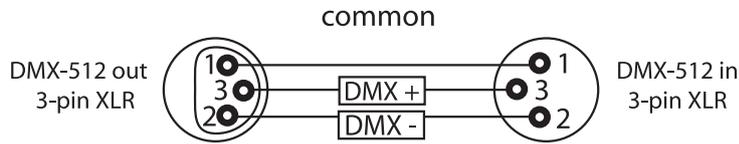
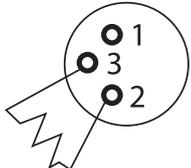| XLR Pin Configuration |
| --- |
| Pin 1 = Ground |
| Pin 2 = Negative |
| Pin 3 = Postive |

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: CABL9O, 5-pin - Order ref: CABL89)

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

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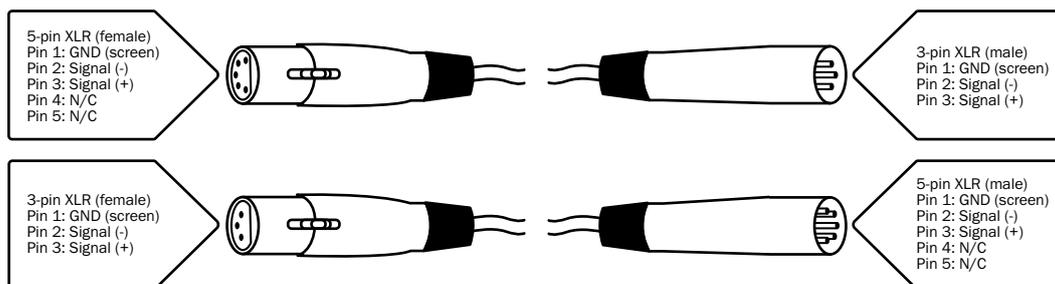
Correct Disposal of this Product
(Waste Electrical & Electronic Equipment)

(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.

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