EclPar IPMVW

100W IP65 Variable White single source LED PAR

USER MANUAL

REV.01-12/23

English version

Thank you for choosing PROLIGHTS

Please note that every PROLIGHTS product has been designed in Italy to meet quality and performance requirements for professionals and designed and manufactured for the use and application as shown in this document.

Any other use, if not expressly indicated, could compromise the good condition/operation of the product and/or be a source of danger.
This product is meant for professional use. Therefore, commercial use of this equipment is subject to the respectively applicable national accident prevention rules and regulations.

Features, specifications and appearance are subject to change without notice. Music & Lights S.r.l. and all affiliated companies disclaim liability for any injury, damage, direct or indirect loss, consequential or economic loss or any other loss occasioned by the use of, inability to use or reliance on the information contained in this document.

Product user manual can be downloaded from the website www.prolights.it , or can be inquired to the official PROLIGHTS distributors of your territory (***https://www.prolights.it/sales_network.html***).

Scanning the below **QR Code**, you will access the download area of the product page, where you can find a broad set of always updated technical documentation: specifications, user manual, technical drawings, photometrics, personalities, fixture firmware updates.

Visit the download area of the product page

INDEX

SAFETY INFORMATION

WARNING!

- See https://www.prolights.it/product/ECLPARIPMFC#download for installation instructions.
- Please read carefully the instruction reported in this section before installing, powering, operating or servicing the product and observe the indications also for its future handling.

This unit is not for household and residential use, only professional applications.

Connection to mains supply

- The Connection to the mains supply must be carried out by a qualified electrical installer.
- Use only AC supplies 100-240V 50-60 Hz, the fixture must be electrically connected to ground (earth).
- Select the cable cross section in according with the maximum current draw of the product and the possible number of products connected at the same power line.
- The AC mains power distribution circuit must be equipped with magnetic+residual current circuit breaker protection.
- Do not connect it to a dimmer system; doing so may damage the product.

Protection and Warning against electrical shock

- Do not remove any cover from the product, always disconnect the product from AC power before servicing.
- Ensure that the fixture is electrically connected to ground (earth). And use only a source of AC power that complies with local building and electrical codes and has both overload and ground-fault (earth-fault) protection.
- Before using the fixture, check that all power distribution equipment and cables are in perfect condition and rated for the current requirements of all connected devices.
- Isolate the fixture from power immediately if the power plug or any seal, cover, cable, or other components are damaged, defective, deformed or showing signs of overheating.
- Do not reapply power until repairs have been completed.
- Refer any service operation not described in this manual to PROLIGHTS Service team or an authorized PROLIGHTS service center.

Installation

- Make sure that all visible parts of the product are in good visible condition before its use or installation.
- Make sure the point of anchorage is stable before positioning the projector.
- When suspending the fixture above ground level, secure it against failure of primary attachments by attaching a safety cable that is approved as a safety attachment for the weight of the fixture to the attachment point on the main frame of the product. In case the safety cable, enter in action, it needs to be replaced with a new one.
- Install the product only in well ventilated places.
- For non temporary installations, ensure that the fixture is securely fastened to a load-bearing surface with suitable corrosionresistant hardware.
- For a temporary installation with clamps, ensure that the quarter-turn fastener and/or screws are turned fully, and secured with a suitable safety cable.

Minimum distance of illuminated objects

- The projector needs to be positioned so that the objects hit by the beam of light are at least 0,5 meters (1,64 ft) from the lens of the projector.

T_a 45°C

Max operating ambient temperature (Ta)

- Do not operate the fixture if the ambient temperature (Ta) exceeds 45 °C (113 °F).

T_a -20°C

Minimum operating ambient temperature (Ta)

- Do not operate the fixture if the ambient temperature (Ta) is below -20 °C (-4 °F).

Protection from burns and fire

- The exterior of the fixture becomes hot during use. Avoid contact by persons and materials.
- Ensure that there is free and unobstructed airflow around the fixture.
- Keep flammable materials well away from the fixture.
- Do not expose the front glass to sunlight or any other strong light source from any angle. Lenses can focus the sun's rays inside the fixture, creating a potential fire hazard.
- Do not attempt to bypass thermostatic switches or fuses.

IP65

Outdoor (temporary) use

- This product is rated with an IP (Ingress protection) for temporary outdoor use when used and serviced according to the instruction contained in this document.
- Never use the fixture in places subject to vibrations or bumps.
- Make certain that no inflammable liquids, water or metal objects enter the fixture.
- Excessive dust, smoke fluid, and particle build up degrades performance, causes overheating and will damage the fixture.
- Damages caused by inadequate cleaning or maintenance are not covered by the product warranty.

T_c 75°C

Temperature of the external surface

- The surface of the fixture can reach up to 75 °C (167 °F) during operation. Avoid contact with people and materials.

Maintenance

- Warning! Disconnect the fixture from AC mains power and allow to cool for at least 10 minutes before handling.
- Only technicians who are authorized by PROLIGHTS or Authorised service partners are permitted to open the fixture.
- Users may carry out external cleaning, following the warnings and instructions provided, but any service operation not described in this manual must be referred to a qualified service technician.
- Important! Excessive dust, smoke fluid, and particle build up degrades performance, causes overheating and will damage the fixture. Damages caused by inadequate cleaning or maintenance is not covered by the product warranty.

Photobiological safety

- This device emits potentially dangerous optical radiation and is identified in the category of Risk Group 1 according to EN 62471.

Do not stare at the operating light source

- Do not look directly at the LED source during operation. It can be harmful to the eyes and skin.
- During Installation, operation and maintenance, be prepared for the fixture to light and move suddenly when connected to power.

Disposal

- This product is supplied in compliance with European Directive 2012/19/EU – Waste Electrical and Electronic Equipment (WEEE). To preserve the environment please dispose/ recycle this product at the end of its life according to the local regulation.

The products to which this manual refers comply with:

- 2014/35/EU - Safety of electrical equipment supplied at low voltage (LVD).
- 2014/30/EU - Electromagnetic Compatibility (EMC).
- 2011/65/EU - Restriction of the use of certain hazardous substances (RoHS).

The products to which this manual refers comply with:

- UL 1573 + CSA C22.2 No. 166 - Stage and Studio Luminaires and Connector Strips.
- UL 1012 + CSA C22.2 No. 107.1 - Standard for power units other than class 2.

FCC Compliance:

- This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

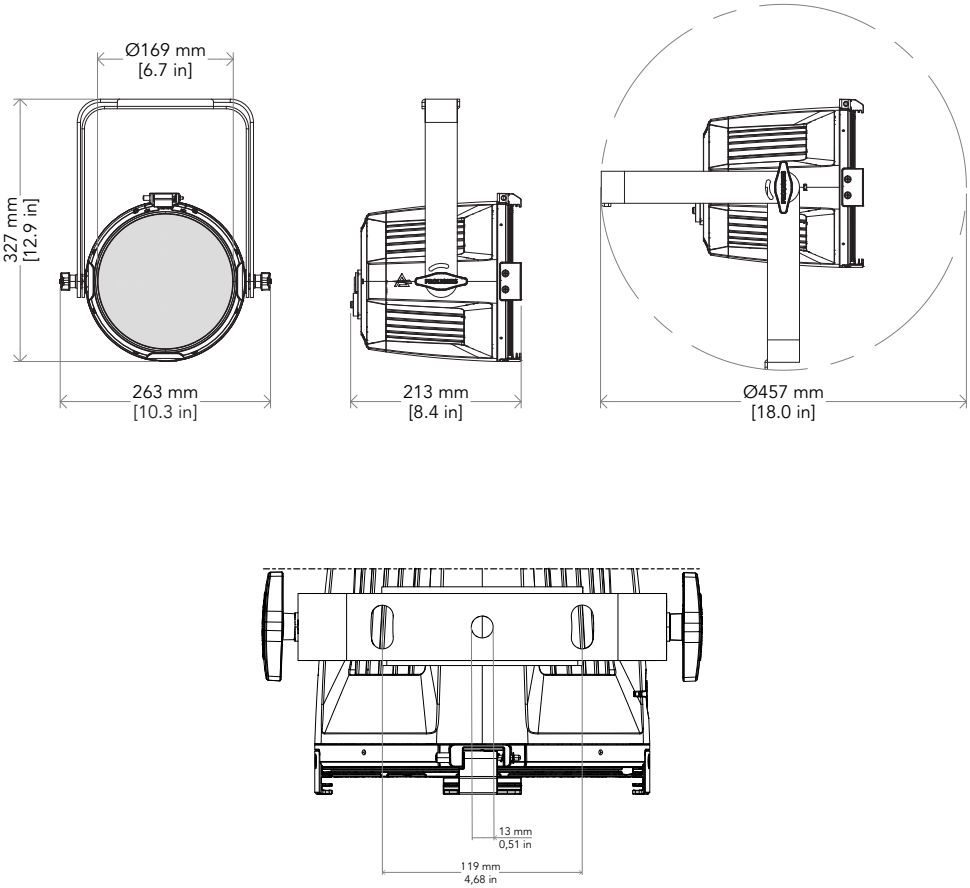
Other approvals

1 - PACKAGING

PACKAGE CONTENT
- 1 x ECLPARIPMVW
- 1 x EPIPMLENS15
- 1 x ECLPARTPG
- 1 x 1,5 meters power cable (BARE END - SEETRONIC IP65 power connector)
- 1 x User Manual

OPTIONAL ACCESSORIES
- FCLECLPARIPM: Flight case for 6 pcs of ECLPARIPM series
- EPIPMBAG1U: Empty ABS case for 1 pc of ECLPARIPM series
- ECLPARIPMBDBK: Barn door with 8 directional flaps to adjust the light beam, ECLPARIPM, black
- ECLPARTPG: Gel filter frame for ECLPAR projectors
- EPIPMRFFBK: Round filter frame for ECLPARIPM series, black
- ECLPARIPMWKBK: CRMX Timo Fx kit for ECLPARIPM serie, black
- EPIPMLENS15: ECLPARIPM series 15° lens
- EPIPMLENS30: ECLPARIPM series 30° lens
- EPIPMLENS60: ECLPARIPM series 60° lens
- EPIPMFHBK: Filter holder for ECLPARIPM series, black
- EPIPMFILT1020: Light diffusion filter for ECLPARIPM series, asymmetric 10°x20°
- EPIPMFILT1040 Light diffusion filter for ECLPARIPM series, asymmetric 10°x40°
- 0EPIPMFILT1060: Light diffusion filter for ECLPARIPM series, asymmetric 10°x60°
- EPIPMFILT3060: Light diffusion filter for ECLPARIPM series, asymmetric 30°x60°
- EPIPMFSNOOTBK: Full snoot for ECLPARIPM series, black
- EPIPMHLOUVREBK: Honeycomb louvre for ECLPARIPM series, black
- EPIPMCLOUVREBK: Concentric louvre for ECLPARIPM series, black
- SPGM10: 28mm spigot for fixtures, M10 bolt
- SPGM12: 28mm spigot for fixtures, M12 bolt
- UPBOX1UP5: Firmware uploader kit, USB IN, 5pin XLR DMX OUT, USB OUT
- TOUR53415L03: Dmx cable HC5340. CANC5MXX XLR 5p->CANC5FXX XLR (f) 5p, L.3m
- TOUR53413L03: Dmx cable HC5340. CANC3MXX XLR 3p->CANC3FXX XLR (f) 3p, L.3m
- 958025L03: 3x2.5mm TH07 Cable, 20A 3p PwCon FCA, 20A 3p PwCon FCB, L. 3m
- 9513FCAL03: Ass. 3x2.5mm TH07 cable, 16A 3p 230V CEE plug, MENAC3FCA socket, L.3m
- RSR0630B: Steel security cable for hanging bodies, inox steel shackle, L=60 cm, black
- C6002B: Slim aluminum clamp, 200kg loading, 48-51mm tubes, M10 bolt, Black
- 9533FCAL03: Ass. 3x2.5mm TH07 cable, SCHUKO plug, MENAC3FCA socket, L.3m

2 - TECHNICAL DRAWING



Weight: 4,1Kg - 9,04 lbs

Fig. 01

3 - INSTALLATION

MOUNTING

Check that the supporting structure can safely bear the weight of all installed fixtures, clamps, cables, auxiliary equipment, etc. and complies with locally applicable regulations.

When suspending the fixture above ground level, secure it against failure of primary attachments by attaching a safety wire that is approved as a safety attachment for the weight of the fixture to an anchor point on the product main frame.

Do not use removable parts or weak anchors for secondary attachment.

Warning! When clamping the fixture to a truss or other structure at any angle, use clamps of half-coupler type. Do not use any type of clamp that does not completely encircle the structure when fastened.

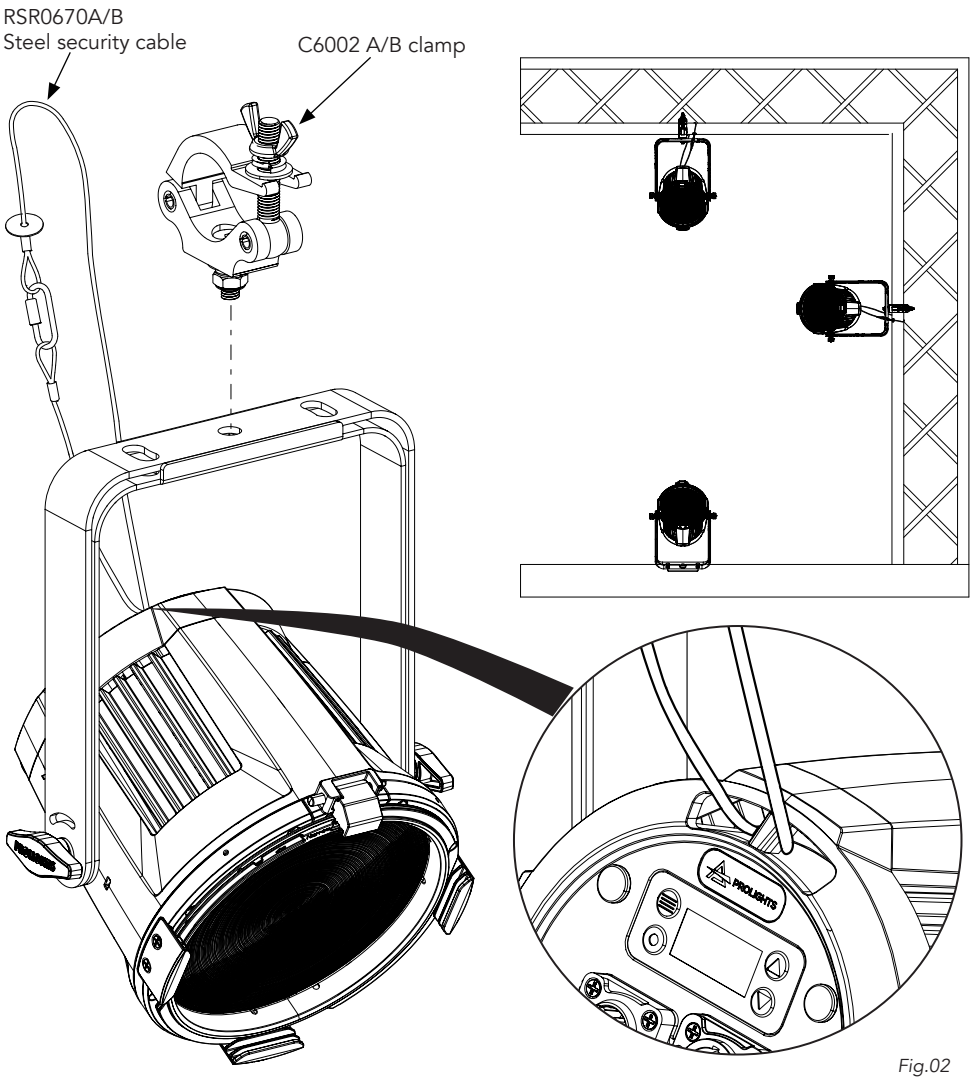


Fig.02

4 - CONNECTION TO THE MAINS SUPPLY

WARNING: For protection from electric shock, the fixture must be earthed!
The product is equipped with auto-switching power supply that automatically adjusts to any 50-60Hz AC power source from 100-240 Volts.
If you need to install a power plug on the power cable to allow connection to power outlets, install a grounding-type (earthed) plug, following the plug manufacturer's instructions. If you have any doubts about proper installation, consult a qualified electrician.
The max power consumption is 112 W.

Core (EU)	Core (US)	Connection	Plug terminal marking
Brown	Black	Live	L
Blue	White	Neutral	N
Yellow+green	Green	Earth	⏚

5 - START UP

CONNECT AND DISCONNECT POWER FROM THE PRODUCT
To apply and disconnect power to the product:

- Check that the product is installed and secured as indicated in the Safety Informations, and that personal safety will not be put at risk when the fixture lights up.
- Connect the power connector into the Mains input socket (100-240 VAC-50/60 Hz).
- The product is then ready for its operations and can be controlled through the available input signals on board.
- To disconnect power from the product, disconnect the Mains from the socket.

6 - PRODUCT OVERVIEW

1. BRACKET for hanging safe.
2. BRACKET for floor positioning.
3. HOLDER CLIP for filter frame and barndoor accessory.
4. SAFETY EYE to attach safety cable.
5. USER INTERFACE with display and buttons for access to the control panel functions.
6. POWER IN: for connection to the Mains 100-240V~/50-60Hz.
7. DMX IN (5-p XLR): 1 = GND, 2 = sign-, 3 = sign+, 4 N/C, 5 N/C.
8. DMX OUT (5-p XLR): 1 = GND, 2 = sign-, 3 = sign+, 4 N/C, 5 N/C.
9. KNOB for bracket.
10. POWER OUT: power output for connection of multiple units in series.
11. ACCESSORY HOLDER for filter frame and barndoor accessory.

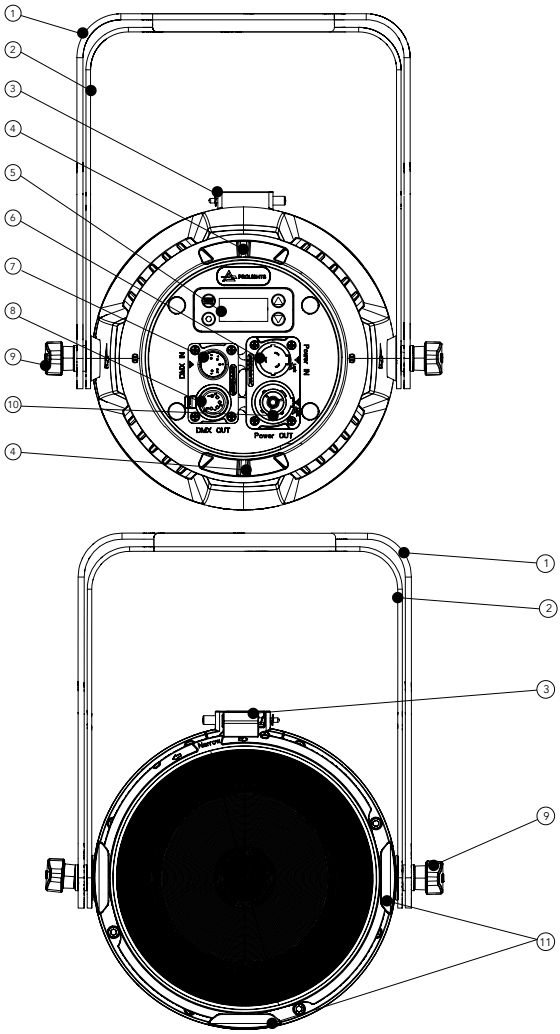


Fig 03

7 - DMX CONNECTION

CONNECTION OF THE CONTROL SIGNAL: DMX LINE
The product has XLR sockets for DMX input and output.
The default pin-out on both socket is as the following diagram:

DMX - INPUT
XLR plug

Pin1 : GND - Shield
Pin2 : - Signal
Pin3 : + Signal
Pin4 : N/C
Pin5 : N/C

DMX - OUTPUT
XLR socket

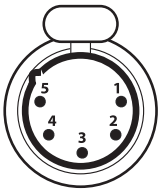


Fig. 04

INSTRUCTIONS FOR A RELIABLE DMX CONNECTION
Use shielded twisted-pair cable designed for RS-485 devices: standard microphone cable cannot transmit control data reliably over long runs. 24 AWG cable is suitable for runs up to 300 meters (1000 ft). Heavier gauge cable and/or an amplifier is recommended for longer runs.
To split the data link into branches, use splitter-amplifiers in the connection line.
Do not overload the link. Up to 32 devices may be connected on a serial link.

CONNECTION DAISY CHAIN
Connect the DMX data output from the DMX source to the product DMX input (male connector XLR) socket.
Run the data link from the product XLR output (female connector XLR) socket to the DMX input of the next fixture.
Terminate the data link by connecting a 120 Ohm signal termination. If a splitter is used, terminate each branch of the link.
Install a DMX termination plug on the last fixture on the link.

CONNECTION OF THE DMX LINE
DMX connection employs standard XLR connectors. Use shielded pair-twisted cables with 120Ω impedance and low capacity.
The following diagram shows the connection mode:

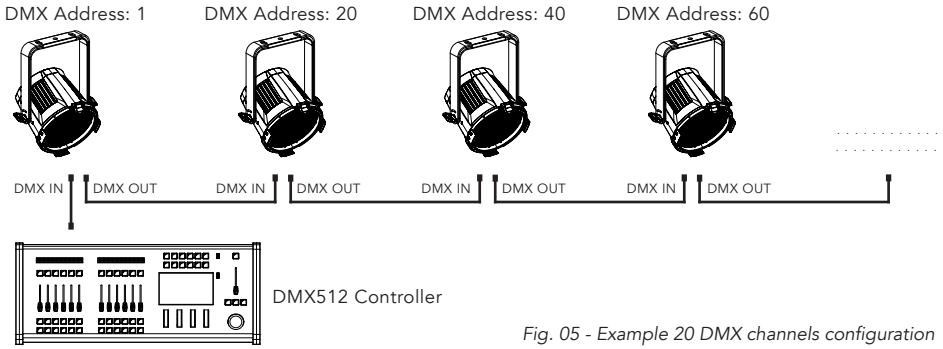
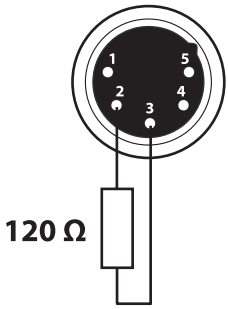
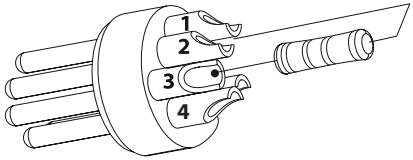


Fig. 05 - Example 20 DMX channels configuration

CONSTRUCTION OF THE DMX TERMINATION

The termination is prepared by soldering a 120Ω 1/4 W resistor between pins 2 and 3 of the male XLR connector, as shown in figure.





Example:
5 pin XLR connector

Fig. 06

DMX ADDRESSING

In order to start controlling the product via DMX, the first step is to select a DMX address, also known as the start channel, this is the first channel used to receive instructions from a DMX controller. If you wish to control the product individually, it is necessary to assign a different starting address channel to each fixture.

The number of channels occupied from the product depends on the DMX mode selected, so always verify the DMX Mode in the MENU before start addressing.

If you assign two fixtures the same address, they will be executing the same behaviour. Selecting the same address to multiple fixtures can be useful for diagnostic purposes and symmetrical control.

DMX addressing is limited to make it impossible to set the DMX address so high that you are left without enough control channels for the product.

To set the fixture's DMX address:

1. Press ENTER to open the main menu.
2. Reach the addressing menu, then select the DMX ADDRESS settings.
3. Select the address from 1 to 512 using the navigation arrows/buttons and confirm by pressing ENTER.
4. Press Menu to exit and return to the Home screen.

OPERATION AS A WIRELESS TRANSMITTER

ECLPARIPMFC can be used as wireless transmitter to transmit DMX signal to different wireless receivers. To use ECLPARIPMFC as wireless transmitter, please follow the procedure below:

1. Push ENTER button untill you show CONNECT on display, then press ENTER button to confirm.
2. Use UP/DOWN buttons for select WIRELESS, then press ENTER to confirm.
3. Push ENTER button on CRMX ON/OFF function and enable it to ON.
4. Select CRMX mode and set it on Transmitter (please note that CRMX mode will be available only if CRMX ON/OFF is set to ON).
5. Ensure that the receiver units are not connected to any other transmitter. Please refer to "Reset the receiver" paragraph.
6. Enable TX LINK to ON to link transmitter to receivers (please note that TX LINK will be available only if CRMX mode is set to Transmitter).

- The transmitter scans for all unlinked receivers for a period of about 5 seconds.
- If the connection fails, check the position of the receiver.
- The wireless icon on the receiver display indicates the received signal strength.

Unlinking the transmitter
Follow the procedure below to unlink the transmitter from all receivers connected with the unit.
1. Push ENTER button untill you show CONNECT on display, then press ENTER button to confirm.
2. Use UP/DOWN buttons for select Wireless, then press ENTER to confirm.
3. Enable TX UNLINK to ON 8 (please note that TX UNLINK will be available only if CRMX mode is set to Transmitter).

- All connected receivers will be unlinked.

IN TO CRMX
This function enable or disable the transmission throught wireless of the DMX signal from the transmitter side to the receiver.
Any incoming signal (ArtNet, sACN or DMX) is retransmitted throught wireless. It's possible to choose retransmission of Main Fixture or Pixel Engine.
If the ECLPARIPMFC protocol selected is ArtNet / sACN, the CRMX module will retransmit the DMX values contained in the ArtNet / sACN signal received from the ECLPARIPMFC.

NOTE: Artnet and sACN have higher priority on DMX if they are connected to transmitter.
NOTE: Do not use IN TO CRMX and ETH TO DMX simultaneously, this will cause data conflict on DMX output signal.

OPERATION AS A WIRELESS RECEIVER
ECLPARIPMFC can be used as wireless receiver connected to a wireless transmitter.
To use ECLPARIPMFC as wireless receiver, please follow the procedure below:
1. Push ENTER button untill you show CONNECT on display, then press ENTER button to confirm.
2. Use UP/DOWN buttons for select Wireless, then press ENTER to confirm.
3. Push ENTER button on CRMX ON/OFF function and enable it to ON.
4. Select CRMX mode and set it on Receiver (please note that CRMX mode will be available only if CRMX ON/OFF is set to ON).
5. Enable RX RESET to ON to reset the receiver (please note that RX RESET will be available only if CRMX mode is set to Receiver).
6. On the transmitter, enable TX LINK to ON to link transmitter to the receivers.
7. If the connection is successful and DMX input is available the display the display on the receiver unit will shows the DMX address. If DMX signal is not available, the display will shows "No signal" but keeps the transmitter linked.
8. If the connection fails, check the position of the receiver.
9. The wireless icon on the receiver display indicates the received signal strength.

Reset the receiver
Follow the procedure below to reset the receiver.
1. Push MENU button untill you show CONNECT on display, then press ENTER button to confirm.
2. Use UP/DOWN buttons for select Wireless, then press ENTER to confirm.
3. Enable RX RESET to ON.

- The wireless icon on the receiver display indicates the received signal strength.

CRMX TO DMX (RX)
This function enable or disable the retransmission of the wireless DMX signal received throught the DMX port on the receiver side.

8 - CONTROL PANEL

The product has a display and buttons for access to the control panel functions.

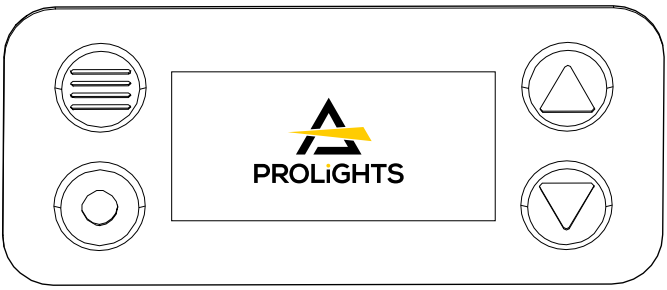


Fig. 07

DISPLAY AND BUTTONS LAYOUT

The product has a display and buttons for access to the control panel functions:

1		• MODE / ESC: used to access the menu tree or to return a previous menu window.
2		• ENTER: used to confirm the current menu or confirm the current function value or option within a menu.
3		• UP: browse upwards through the menu list and increases the numeric value displayed.
4		• DOWN: browse downwards through the menu list and decreases the numeric value displayed.

9 - MENU STRUCTURE

The following chart describes the MENU tree of the product, the terms shown in **BOLD** indicates the default settings.

CONNECT	ADDRESS	VALUE (**1**-512)				*Set address used for Fixture.*
	DMX MODE	UNO DUO	CCT PRESET	2700K		*Set DMX chart for Main Fixture.* *For Uno and Duo mode selection of CCT or Manual WW/CW is available.*
				2800K		
				3000K		
				3200K		
				3500K		
				4000K		
				4500K		
				5000K		
				5600K		
				6000K		
				6500K		
			MANUAL WW/CW	WW		
				CW		
		BASIC				
		BASIC 16BIT				
		STANDARD				
		EXTENDED				
		ADVANCED				
	WIRELESS	CRMX ON/OFF	ON/**OFF**			*Enable/Disable the wireless card.*
		CRMX MODE	TX CRMX			*Choose whether to set the wireless card as Transmitter or Receiver.* *For Transmitter mode you can also select which protocol to transmit.* *CRMX mode is unlocked only if CRMX ON / OFF is ON*
			TX G4S			
			TX G3			
			RECEIVER			
		TX LINK	ON/**OFF**			*TX link unlock when the unit is set as a transmitter.*
		TX UNLINK	ON/**OFF**			*Disconnect the transmitter from all receivers.* *TX unlink unlocks only if CRMX mode is on transmitter.*
		RX RESET	ON/**OFF**			*Disconnect the transmitter from all receivers.* *TX unlink unlocks only if CRMX mode is on transmitter*
		IN TO CRMX (TX)	**ON**/OFF			*Enable/Disable the transmission of the DMX from the transmitter to the receiver via CRMX.*
		CRMX TO DMX (RX)	**ON**/OFF			*Enable/Disable the retransmission of the DMX from the receiver to the other units connected by cable to the receiver itself.*
		LINKING KEY	When In RX Mode: 1. Insert 8 digit code 2. Ask for mode (CRMX or CRMX²) 3. Ask for universe (CRMX: A,C,E,G | CRMX²: A,B,C,D,E,F,G,H) When in TX CRMX Mode: 1. Insert 8 digit code			*Linking key can be used as a simple way to link receivers to a transmitter without the need to initiate the linking process on the transmitter. This allows the user to just enter the code into the receiver and it will be linked to the transmitter with the same code.*

		UNIVERSE METADATA	In RX Mode: 1. RGB Color code received from TX 2. Universe name received from TX In TX CRMX Mode: 1.RGB Color code set from R,G,B combo list 2. Universe name by default takes first 16 characters of Model Name			*CRMX transmitters may transmit some universe metadata information used to identify the received universe on the receiver side. These are;* *Universe name: A 16 character string with a human readable name identifying the universe.* *Universe color: RGB code for an LED that can easily be used to visually identify the universe by color.*
SET UP	SCREEN	BACKLIGHT	ON/**10S**/20S/30S			*Allows you to select the timing after that display will switch automatically off when unactive.*
		FLIP DISPLAY	ON/**OFF**			*Allows you to rotate the display by 180°.*
		KEY LOCK	ON/**OFF**			*Allows you lock the buttons on the control panel by a password. Press following combinations (password) in order to access to the user menu : UP, DOWN, UP, DOWN.*
		TEMPERATURE UNIT	**°C**/°F			*Choose Temperature unit.*
	TRANSFER CONFIGURATION	WITHOUT DMX ADDRESS				*To transfer the same menu settings of one fixtures to all the other in the daisy chain, including or not the dmx address.*
		WITH DMX ADDRESS				
ADVANCED	DIMMER CURVE	LINEAR				*Set Dimmer Curve for Main Dimmer function.*
		S-CURVE				
		SQUARE LAW				
		INVERSE SQUARE LAW				
	DIMMER SPEED	**AUTO**				*Linear dimmer behaviour.*
		FAST				*Dimmer curve adding long fade.*
		MEDIUM				*Dimmer curve adding medium fade.*
		SLOW				*Dimmer curve adding little fade.*
		OFF				
	LED FREQUENCY	600HZ				*Select CCT when RGBW@Full.*
		1200HZ				
		2000HZ				
		4000HZ				
		6000HZ				
		25KHZ				
		36KHZ				
		40KHZ				
	DMX FAULT	**HOLD**				*To choose the behaviour of fixture in case of dmx signal lost.*
		BLACKOUT				
		STANDALONE				
		EMERGENCY				
	OUTPUT CONTROL	CONSTANT				*Choose Output Control mode.*
		DYNAMIC				
	FACTORY RELOAD	ON/**OFF**				*Default of all parameters*

INFORMATION	DEVICE TIME	FIXTURE HOURS	TOTAL	(READ)		*To check the total working hours of the unit.*
			PARTIAL	(READ AND RESET)		
		CURRENT HOURS	TOTAL	(READ AND RESET)		*To check the current working hours of the unit.*
			PARTIAL	(READ AND RESET)		
		SOURCE HOURS	TOTAL	(READ)		*To see the total operating hours of the LED source.*
			PARTIAL	(READ AND RESET)		
		POWER ON CYCLE	TOTAL	(READ)		*To see the power cycles of the machine.*
			PARTIAL	(READ AND RESET)		
		MAINTENANCE TIME	ELAPSED TIME	(READ AND RESET)		*To choose and reset unit maintenance warning hours.*
			ALERT PERIOD	10 – 750		
	POWER CONSUMPTION	** W				*Show estimated power consumption.*
	TEMPERATURE	NEAR SOURCE TEMP, DRIVER PCB TEMP, LED PCB TEMP,…				*To see the unit temperature.*
	WIRELESS QUALITY					*To see the wireless quality..*
	CHANNEL VALUE					*To see the dmx value of those channels.*
	ERROR MESSAGE					*To see any error messages*
	FIXTURE MODEL	ECLPARIPMFC				*View informations about fixture model*
	DEVICE LABEL	<RDM LABEL>				*View LABEL for the RDM control.*
	SOFTWARE VERSION	1U01 V1.1.00.0...				*View informations about software version.*
	CRMX CARD VERSION	TimoFX: Vx.x.xx				*Show firmware version of TimoFX module.*
	RDM UID	(READ)				*View ID for the RDM control*
STAND ALONE	MASTER/ SLAVE	MASTER DMX				*Allow you to link and operating in synk multiple units without a DMX console. Choose a unit to perform as the Master. Master No DMX: fixture is not broadcasting signal*
		MASTER NO DMX				
		SLAVE				

EFFECTS	EFFECT 1 - 5	DIMMER	<1-100>		*Effects modes allows creation and editing of 5 effects maximum. Each effect contains up to 20 colors, a Main Dimmer and a Main Strobe.* *COLOR section:* *SWITCH is used to toggle On/Off the color in the sequence.* *DIMMER is used to individually DIM the selected color.* *STROBE is used to individually STROBE the selected color.* *HOLD TIME defines how long the color is hold on the output.* *FADE IN/OUT TIME defines the timings of fading in/out.* *The effects can be considered as CHASE, once last color has finished playing the sequence will start again*
		STROBE	<1-100>		
		COLOR 1	SWITCH	ON	
				OFF	
			DIMMER		
			STROBE		
			HOLD TIME	0 - 360s (Step by 0.5s)	
			FADE IN TIME	0 - 60s (Step by 0.5s)	
			FADE OUT TIME	0 - 60s (Step by 0.5s)	
			CCT PRESETS	Show list of STATIC mode	*List of CCT Presets like per Static Mode.*
			MANUAL WW/CW	Show list of STATIC mode	*List of Manual WW/CW like per Static Mode.*
		...	...		
		COLOR 20	SWITCH	ON	
				OFF	
			DIMMER		
			STROBE		
			HOLD TIME	0 - 360s (Step by 0.5s)	
			FADE IN TIME	0 - 60s (Step by 0.5s)	
			FADE OUT TIME	0 - 60s (Step by 0.5s)	
			CCT PRESETS	Show list of STATIC mode	
			MANUAL WW/CW	Show list of STATIC mode	
STATIC	CCT PRESETS	2700K	Dimmer <000-**255**>		
		2800K			
		3000K			
		3200K			
		3500K			
		4000K			
		4500K			
		5000K			
		5600K			
		6000K			
		6500K			
	MANUAL WW/CW	WW	<000-255>		
		CW	<000-255>		

10 - SHORTCUT

Keys	Mode	Description
MENU + ENTER then power on	Clear All	Clear all value of functions + factory default
UP + DOWN after power on	Flip Display	Directly flip display without enter inside menu

11 - RDM FUNCTIONS

The product can communicate using RDM (Remote Device Management) protocol over a DMX512 Networks.
RDM is a bi-directional communications protocol for use in DMX512 control systems, it is the open standard for DMX512 device configuration and status monitoring.
The RDM protocol allows data packets to be inserted into a DMX512 data stream without affecting existing non-RDM equipment. It allows a console or dedicated RDM controller to send commands to and receive messages from specific fixtures.
The PIDs in the following tables are supported in the product.
RDM is also available on Wireless. WDMX Tiny's Downstream must be enabled in its custom PIDs to work.

Parameter	Category	PID Address	GET	SET	Value	Description	Default Value
DEVICE_INFO	Product Information	0x0060	x				
PRODUCT_DETAIL_ID_LIST	Product Information	0x0070	x				
DEVICE_MODEL_DESCRIPTION	Product Information	0x0080	x				
MANUFACTURER_LABEL	Product Information	0x0081	x				
DEVICE_LABEL	Product Information	0x0082	x	x			
FACTORY_DEFAULTS	Product Information	0x0090	x	x			
SOFTWARE_VERSION_LABEL	Product Information	0x00C0	x				
BOOT_SOFTWARE_VERSION_ID	Product Information	0x00C1	x				
BOOT_SOFTWARE_VERSION_LABEL	Product Information	0x00C2	x				
DMX_PERSONALITY	DMX512 Setup	0x00E0	x	x			
DMX_PERSONALITY_DESCRIPTION	DMX512 Setup	0x00E1	x				
DMX_START_ADDRESS	DMX512 Setup	0x00F0	x	x			
SLOT_INFO	DMX512 Setup	0x0120	x				
SLOT_DESCRIPTION	DMX512 Setup	0x0121	x				
DEFAULT_SLOT_VALUE	DMX512 Setup	0x0122	x				
DMX_BLOCK_ADDRESS	DMX512 Setup	0x0140	x	x			
DMX_FAIL_MODE	DMX512 Setup	0x0141	x	x			
DMX_STARTUP_MODE	DMX512 Setup	0x0142	x	x			
DIMMER_INFO	Dimmer Settings	0x0340	x				
MINIMUM_LEVEL	Dimmer Settings	0x0341	x	x			
MAXIMUM_LEVEL	Dimmer Settings	0x0342	x	x			

Parameter	Category	PID Address	GET	SET	Value	Description	Default Value
CURVE	Dimmer Settings	0x0343	x	x			
CURVE_DESCRIPTION	Dimmer Settings	0x0344	x	x			
OUTPUT_RESPONSE_TIME	Dimmer Settings	0x0345	x	x			
OUTPUT_RESPONSE_TIME_ DESCRIPTION	Dimmer Settings	0x0346	x				
MODULATION_FREQUENCY	Dimmer Settings	0x0347	x	x			
MODULATION_FREQUEN-CY_ DESCRIPTION	Dimmer Settings	0x0348	x				
SENSOR_DEFINITION	Sensors	0x0200	x				
SENSOR_VALUE	Sensors	0x0201	x	x			
RECORD_SENSORS	Sensors	0x0202		x			
BURN_IN	Sensors	0x0440	x	x			
DEVICE_HOURS	Power/Lamp Settings	0x0400	x	x			
LAMP_HOURS	Power/Lamp Settings	0x0401	x	x			
LAMP_STRIKES	Power/Lamp Settings	0x0402	x	x			
LAMP_STATE	Power/Lamp Settings	0x0403	x	x			
LAMP_ON_MODE	Power/Lamp Settings	0x0404	x	x			
DEVICE_POWER_CYCLES	Power/Lamp Settings	0x0405	x	x			
DISPLAY_INVERT	Display Settings	0x0500	x	x			
DISPLAY_LEVEL	Display Settings	0x0501	x	x			
LOCK_PIN	Configura-tion	0x0640	x	x			
LOCK_STATE	Configura-tion	0x0641	x	x			
LOCK_STATE_DESCRIPTION	Configura-tion	0x0642	x				
IDENTIFY_DEVICE	Control	0x1000	x	x			
RESET_DEVICE	Control	0x1001		x			
POWER_STATE	Control	0x1010	x	x			
PERFORM_SELFTEST	Control	0x1020	x	x			
SELF_TEST_DESCRIPTION	Control	0x1021	x				
CAPTURE_PRESET	Control	0x1030	x	x			
PRESET_PLAYBACK	Control	0x1031	x	x			
IDENTIFY_MODE	Control	0x1040	x	x			
PRESET_INFO	Control	0x1041	x				
PRESET_STATUS	Control	0x1042	x	x			
POWER_ON_SELF_TEST	Control	0x1044	x	x			
DMX FAULT	Manufacturer PIDs	0x82DD	x	x	0-3	"0: HOLD 1: BLACKOUT 2:STAND ALONE 3:EMERGENCY"	2

Parameter	Category	PID Address	GET	SET	Value	Description	Default Value
MASTER/SLAVE	Manufacturer PIDs	0x8211	x	x	0-2	"0:MASTER DMX 1:MASTER NO DMX 2: SLAVE"	2
ST. AL. MODE	Manufacturer PIDs	0x82EC	x	x	0-2	0:Stand Alone EF-FECTS 1:Stand Alone CCT Preset 2:Stand Alone Manual WW / CW	1
EFFECTS	Manufacturer PIDs	0x8209	x	x	1-5	"1: FX1 2: FX2 3: FX3 4: FX4 5: FX5"	1
EFFECTS SPEED	Manufacturer PIDs	0x8210	x	x	1-10	Linear 0% to 100%	100
CCT PRESET	Manufacturer PIDs	0x82BE	x	x	0-10	0: 2700K 1: 2800K 2: 3000K 3: 3200K 4: 3500K 5: 4000K 6: 4500K 7: 5000K 8: 5600K 9: 6000K 10: 6500K	2
MANUAL WW	Manufacturer PIDs	0x82C0	x	x	0-255	Linear WW 0% to 100%	255
MANUAL CW	Manufacturer PIDs	0x82C1	x	x	0-255	Linear CW 0% to 100%	255
OUTPUT CONTROL	Manufacturer PIDs	0x830C	x	x	0-1	"0:CONSTANT OUTPUT 1:DYNAMIC OUTPUT"	1
CURRENT HOURS	Manufacturer PIDs	0x82C5	x	x		-	0
POWER CONSUMPTION(AC 220V)	Manufacturer PIDs	0x82DE	x			AC:220V	0
MAINTENANCE TIME:ALERT PERIOD	Manufacturer PIDs	0x82DF	x	x	10-300	-	300
MAINTENANCE TIME:ELAPSED TIME	Manufacturer PIDs	0x82E0	x	x	0-ALERT PERIOD		0
ERROR MESSAGES	Manufacturer PIDs	0x82EA	x		0-4	" 0 - NO ERROR 1 - LED ERROR 2 - LED TEMPERATURE ERROR 3 - LED TEMP. SEN-SOR ERROR 4 - DRV ERROR"	0
CLEAN ALL DATA	Manufacturer PIDs	0x82C8	x	x	0-1	0:NO,1:YES	0

13 - DMX CHARTS

RDM Personality ID List

ID	Mode	DMX Footprint
1	UNO	1CH
2	DUO	2CH
3	BASIC	2CH
5	BASIC 16BIT	4CH
6	STANDARD	5CH
7	EXTENDED	9CH
8	ADVANCED	11CH

RDM Model ID

0xD149

DMX Chart Summary

Channel	UNO	DUO	BASIC	BASIC 16BIT	STANDARD	EXTENDEND	ADVANCED
1	DIMMER	DIMMER	DIMMER	DIMMER	DIMMER	DIMMER	DIMMER
2		DIMMER FINE	CCT	DIMMER FINE	DIMMER FINE	DIMMER FINE	DIMMER FINE
3				CCT	CCT	CCT	CCT
4				CCT FINE	STROBE	CCT FINE	CCT FINE
5					CONTROL	CROSSFADE	CROSSFADE
6						WARM WHITE	WARM WHITE
7						COLD WHITE	WARM WHITE FINE
8						STROBE	COLD WHITE
9						CONTROL	COLD WHITE FINE
10							STROBE
11							CONTROL

Dimmer

Function	8 bit value		16 bit value		Note
	From	To	From	To	
Dimmer	0	255	0	65535	Default @ 0

Strobe

Function	8 bit value		16 bit value		Note
	From	To	From	To	
Open	0	1	-	-	Default @ 255
Strobe from Slow to Fast	2	62	-	-	
Open	63	64	-	-	
Pulse In from slow to fast	65	125	-	-	
Close	126	127	-	-	
Pulse Out from slow to fast	128	188	-	-	
Open	189	190	-	-	
Random from slow to fast	191	251	-	-	
Open	252	255	-	-	

CCT

Function		8 bit value		16 bit value		Note
CCT From	CCT To	From	To	From	To	
2700	2800	0	7	0	1725	Default @ 0
2800	2900	7	13	1725	3449	
2900	3000	13	20	3449	5174	
3000	3100	20	27	5174	6898	
3100	3200	27	34	6898	8623	
3200	3300	34	40	8623	10348	
3300	3400	40	47	10348	12072	
3400	3500	47	54	12072	13797	
3500	3600	54	60	13797	15521	
3600	3700	60	67	15521	17246	
3700	3800	67	74	17246	18971	
3800	3900	74	81	18971	20695	
3900	4000	81	87	20695	22420	
4000	4100	87	94	22420	24144	
4100	4200	94	101	24144	25869	
4200	4300	101	107	25869	27594	
4300	4400	107	114	27594	29318	
4400	4500	114	121	29318	31043	
4500	4600	121	128	31043	32768	
4600	4700	128	134	32768	34492	
4700	4800	134	141	34492	36217	
4800	4900	141	148	36217	37941	
4900	5000	148	154	37941	39666	
5000	5100	154	161	39666	41391	

CCT

Function		8 bit value		16 bit value		Note
CCT From	CCT To	From	To	From	To	
5100	5200	161	168	41391	43115	
5200	5300	168	174	43115	44840	
5300	5400	174	181	44840	46564	
5400	5500	181	188	46564	48289	
5500	5600	188	195	48289	50014	
5600	5700	195	201	50014	51738	
5700	5800	201	208	51738	53463	
5800	5900	208	215	53463	55187	
5900	6000	215	221	55187	56912	
6000	6100	221	228	56912	58637	
6100	6200	228	235	58637	60361	
6200	6300	235	242	60361	62086	
6300	6400	242	248	62086	63810	
6400	6500	248	255	63810	65535	

Crossfade from CCT to WW/CW

Function	8 bit value		16 bit value		Note
	From	To	From	To	
Linear Crossfade	0	255	0	65535	Default @ 255 / 65535

Warm White

Function	8 bit value		16 bit value		Note
	From	To	From	To	
0 - 100%	0	255	0	65535	Default @ 255 / 65535

Cold White

Function	8 bit value		16 bit value		Note
	From	To	From	To	
0 - 100%	0	255	0	65535	Default @ 255 / 65535

Control Channel					
Function	8 bit value		16 bit value		Note
	From	To	From	To	
No Functon	0	1	-	-	Default @ 0
DISPLAY ON	2	3	-	-	Hold 3s to take function
DISPLAY 10S	4	5	-	-	
DISPLAY 20S	6	7	-	-	
DISPLAY 30S	8	9	-	-	
FLIP DISPLAY ON	10	11	-	-	
FLIP DISPLAY OFF	12	13	-	-	
KEY LOCK ON	14	15	-	-	
KEY LOCK OFF	16	17	-	-	
DIMMER CURVE LINEAR	18	19	-	-	
DIMMER CURVE S-CURVE	20	21	-	-	
DIMMER CURVE SQUARE LAW	22	23	-	-	
DIMMER CURVE INVERSE SQUARE LAW	24	25	-	-	
DIMMER SPEED AUTO	26	27	-	-	
DIMMER SPEED FAST	28	29	-	-	
DIMMER SPEED MEDIUM	30	31	-	-	
DIMMER SPEED SLOW	32	33	-	-	
DIMMER SPEED OFF	34	35	-	-	
LED FREQUENCY 600HZ	36	37	-	-	
LED FREQUENCY 1200HZ	38	39	-	-	
LED FREQUENCY 2000HZ	40	41	-	-	
LED FREQUENCY 4000HZ	42	43	-	-	
LED FREQUENCY 6000HZ	44	45	-	-	
LED FREQUENCY 25KHZ	46	47	-	-	
LED FREQUENCY 36KHZ	48	49	-	-	
LED FREQUENCY 40KHZ	50	51	-	-	
DMX FAULT HOLD	52	53	-	-	
DMX FAULT BLACKOUT	54	55	-	-	
DMX FAULT STAND ALONE	56	57	-	-	
DMX FAULT EMERGENCY	58	59	-	-	
OUTPUT CONTROL CONSTANT	60	61	-	-	
OUTPUT CONTROL DYNAMIC	62	63	-	-	
STAND ALONE MASTER DMX	64	65	-	-	
STAND ALONE MASTER NO DMX	66	67	-	-	
STAND ALONE SLAVE	68	69	-	-	
STAND ALONE EFFECTS	70	71	-	-	
STAND ALONE CCT PRESETS	72	73	-	-	
STAND ALONE MANUAL WW / CW	74	75	-	-	
Reserved	76	249	-	-	
Reset all channel controlled	250	251	-	-	
Reserved	252	255	-	-	

14 - ERROR MESSAGES

The error is shown on the unit display. In the table below, the "ERROR SHOWED ON SCREEN" column lists the possible errors, accompanied by a possible cause ("POSSIBLE" CAUSES "column).
The color of the error messages (listed in the "COLOR MESSAGES" column) is different for each board it refers to ("PCB" column).

ERROR SHOWED ON SCREEN	POSSIBLE CAUSES	CODE
[LED ERROR]	This error message is displayed when the lamp is switched OFF without a command from the product control system	1
[LED TEMPERATURE ERROR]	LAMP sensor damaged (open or in short circuit)	2
[LED TEMP. SENSOR ERROR]	Communication failure between DISP and DRV	3
[DRV ERROR]	Communication failure between calibration chip and DRV2 or Calibration returning unexpected/wrong datas	4

IDENTIFICATION OF ELECTRONIC BOARDS

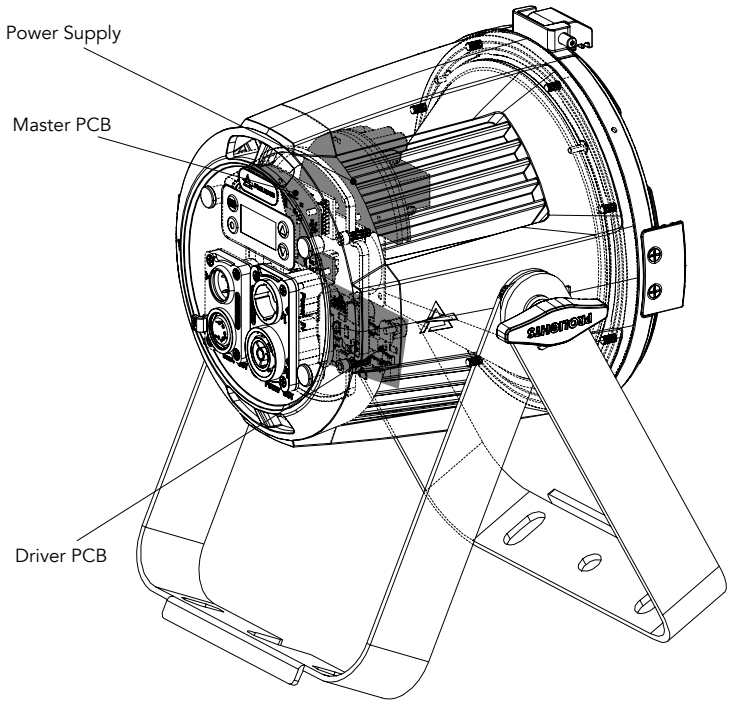
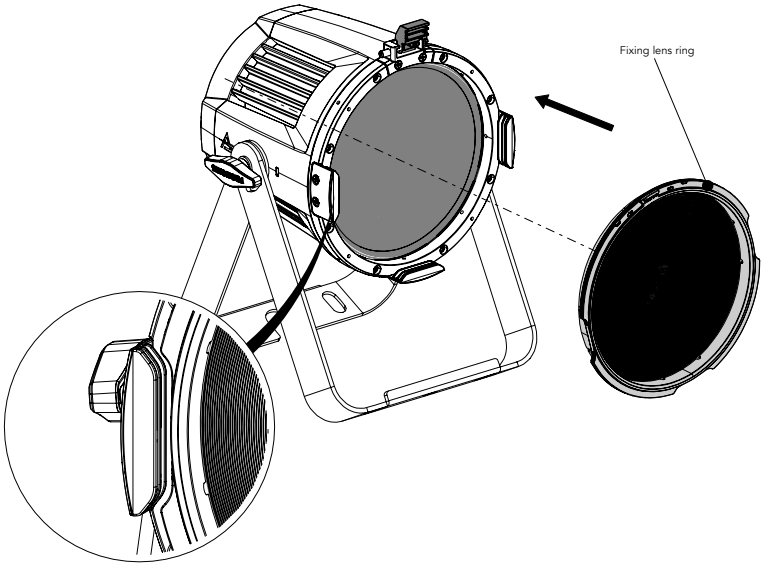


Fig. 08

15 - ACCESSORIES INSTALLATION

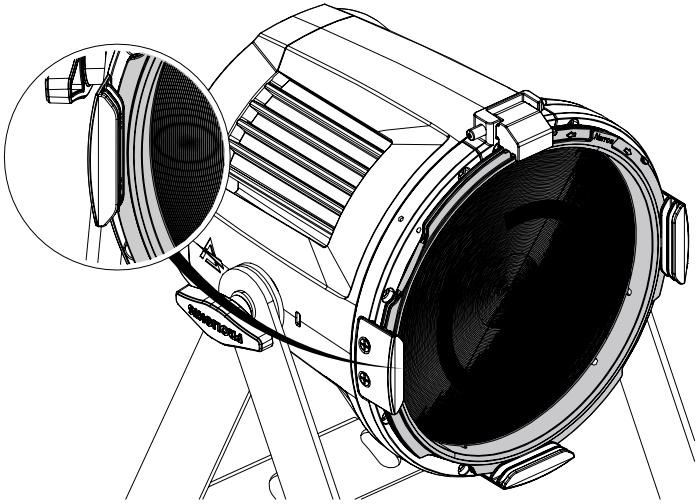
LENS ASSEMBLY (EPIPMLENS15 - 15° lens INCLUDE; EPIPMLENS30 - 30° lens OPTIONAL; EPIPMLENS60 - 60° lens OPTIONAL;)

1



Open the Holder Clip and insert in the fixing lens accessory, pay attention to match the holders with the slots in the accessory.

2



Mount the accessory for fixing lens on the lens cover and rotate to lock it.

Fig.09

To distinguish the projection angle of different accessory lenses, they are identified by color:

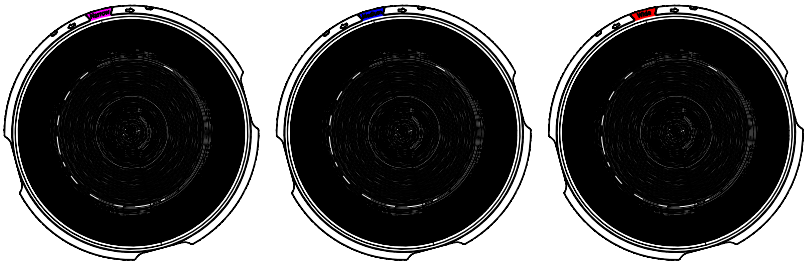
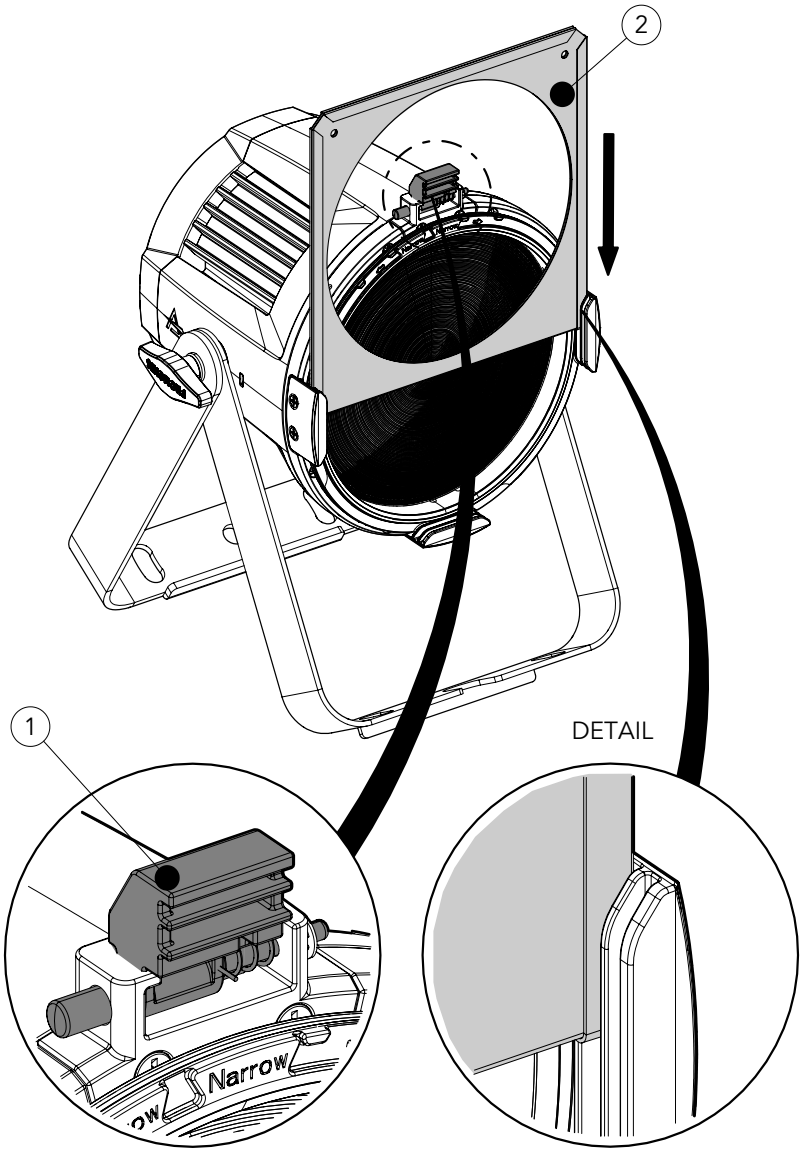


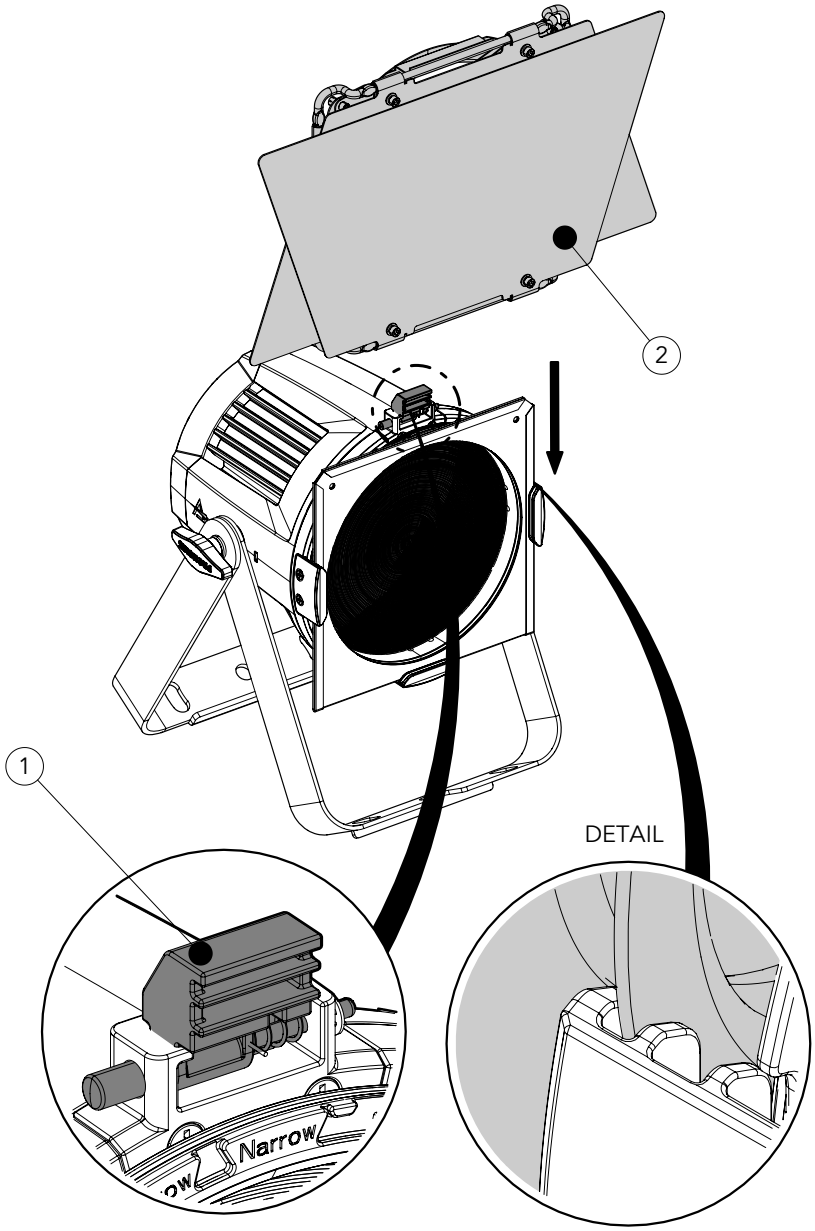
Fig.10

Code:	*EPIPMLENS15*	*EPIPMLENS30*	*EPIPMLENS60*
Lens Model:	Narrow Lens	Medium Lens	Wide Lens
Color Code:	**MAGENTA**	**BLUE**	**RED**
Beam Angle:	15°	30°	60°



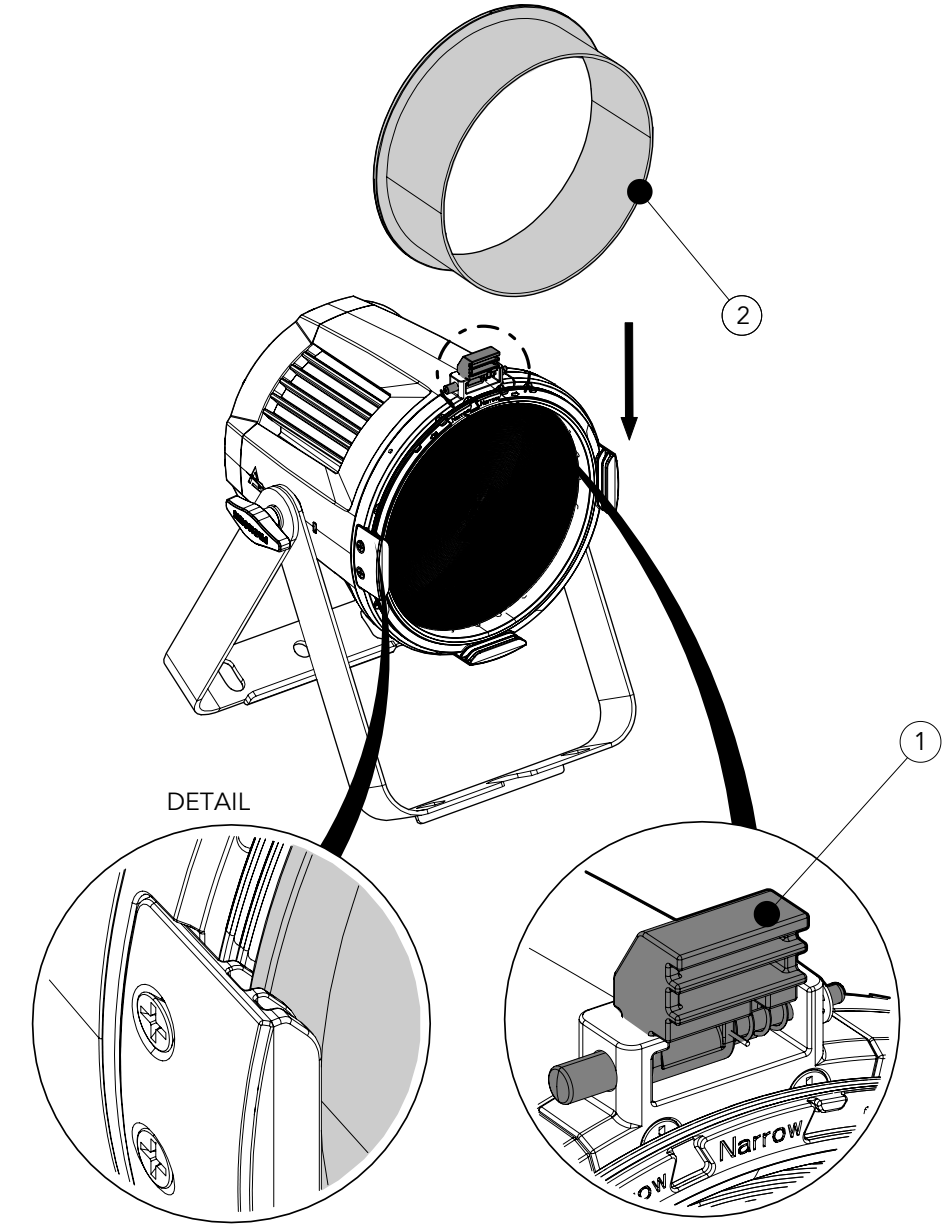
Lift the pin (1) upwards. Insert the filter frame (2) into the gel frame lock (DETAIL) and close down the snap.
NOTE: To remove the accessory, reverse the procedure.

Fig.11



Lift the pin (1) upwards. Insert the barn door (2) into the gel frame lock (DETAIL) and close down the snap.
NOTE: To remove the accessory, reverse the procedure.

Fig.12

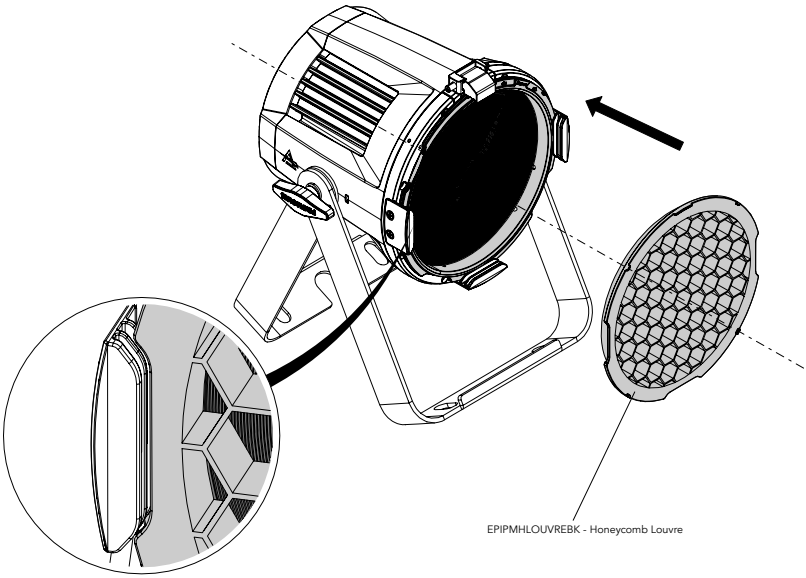


Lift the pin (1) upwards. Insert the snoot (2) into the gel frame lock (DETAIL) and close down the snap.
NOTE: To remove the accessory, reverse the procedure.

Fig.13

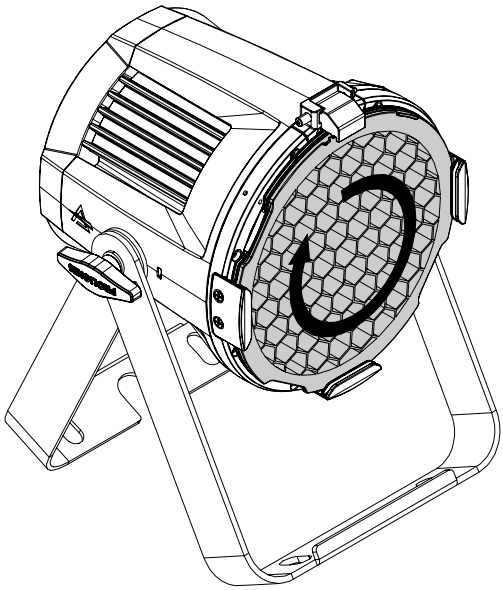
HONEYCOMB LOUVRE (CODE EPIPMHLOUVREBK - OPTIONAL)

1



Open the Holder Clip and insert in the fixing lens accessory, pay attention to match the holders with the slots in the accessory.

2

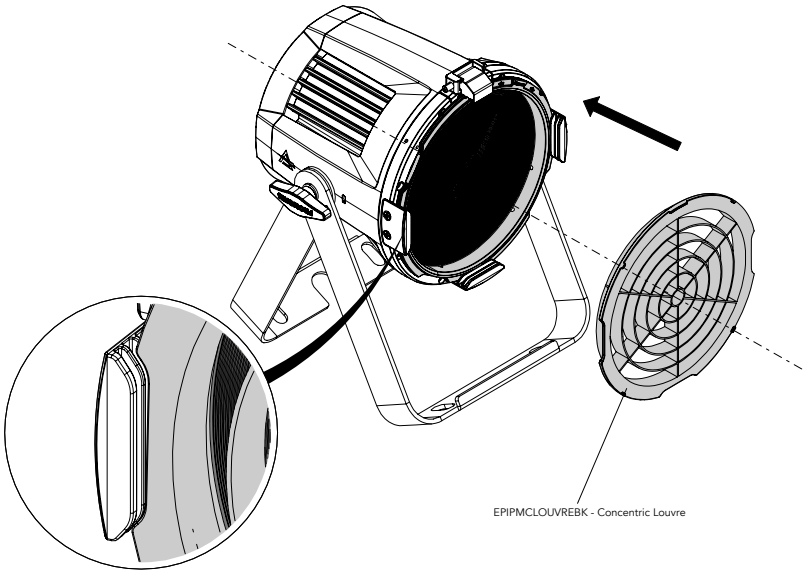


Mount the accessory for fixing lens on the lens cover and rotate to lock it.

Fig.14

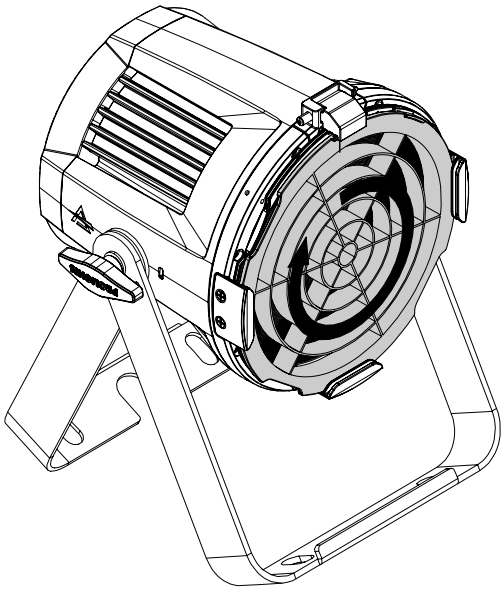
CONCENTRIC LOUVRE (CODE EPIPMCLOUVREBK - OPTIONAL)

1



Open the Holder Clip and insert in the fixing lens accessory, pay attention to match the holders with the slots in the accessory.

2

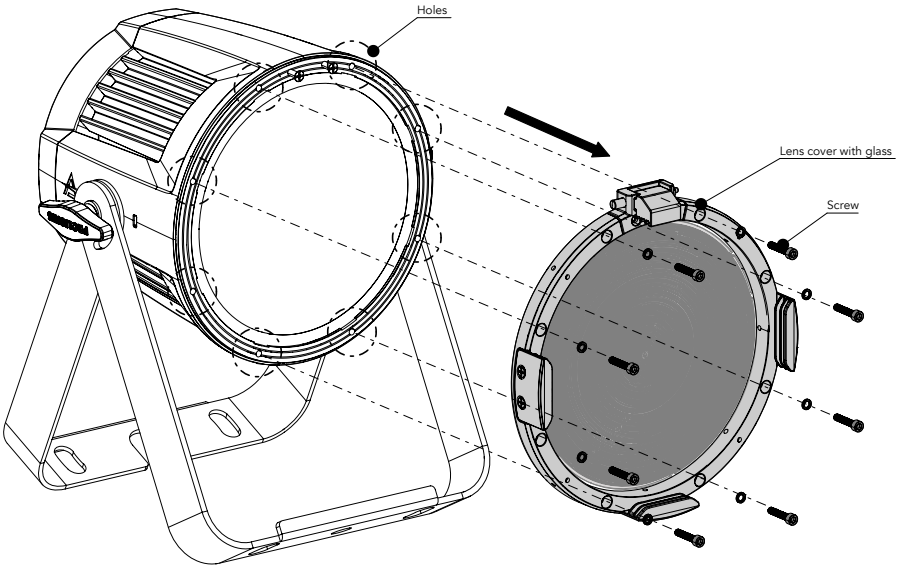


Mount the accessory for fixing lens on the lens cover and rotate to lock it.

Fig.15

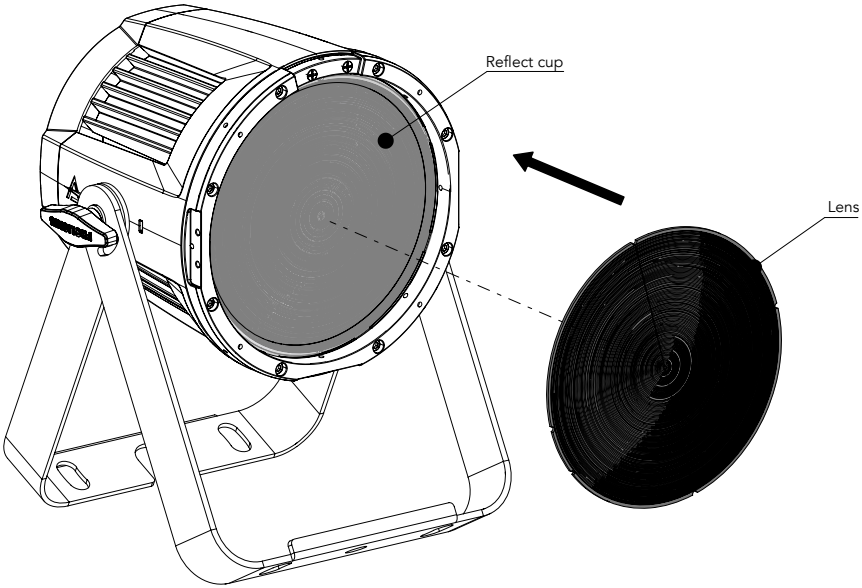
LENS ASSEMBLY FROM INSIDE

1



Loosen the 8 M4x20 screws and the M4 washers to remove the lens cover and glass.

2

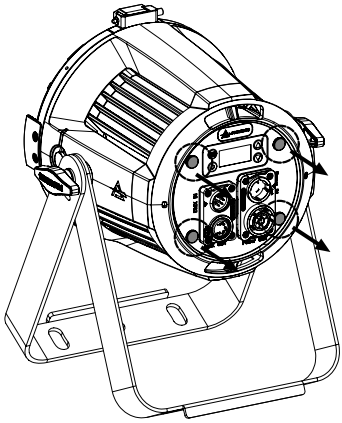


Mount the lens on the reflect cup and then carry out the reverse operation of the previous point to reassemble the lens cover with the glass.

Fig.16

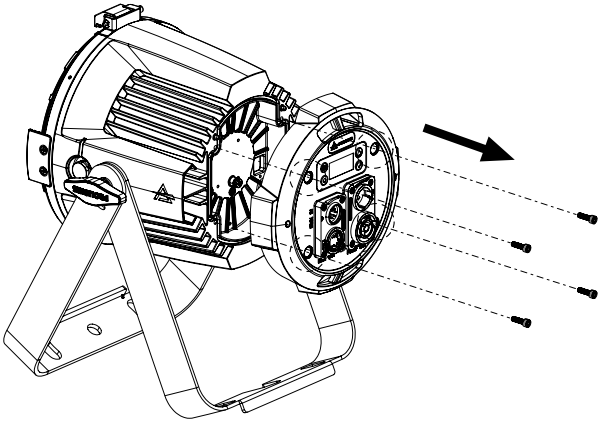
WIRELESS KIT (CODE ECLPARIPMWK - OPTIONAL)

1



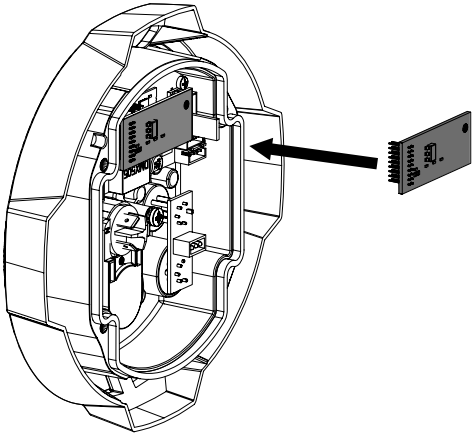
Remove the 4 grommets as shown in Figure 1.

2

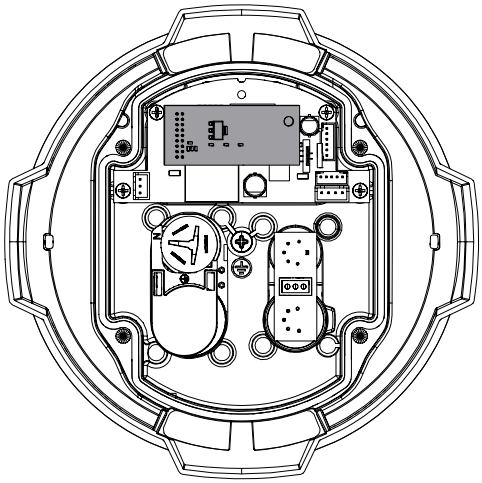


Unscrew the screws under the grommets and remove the cover with the connectors and the user interface as shown in Figure 2.

3



4

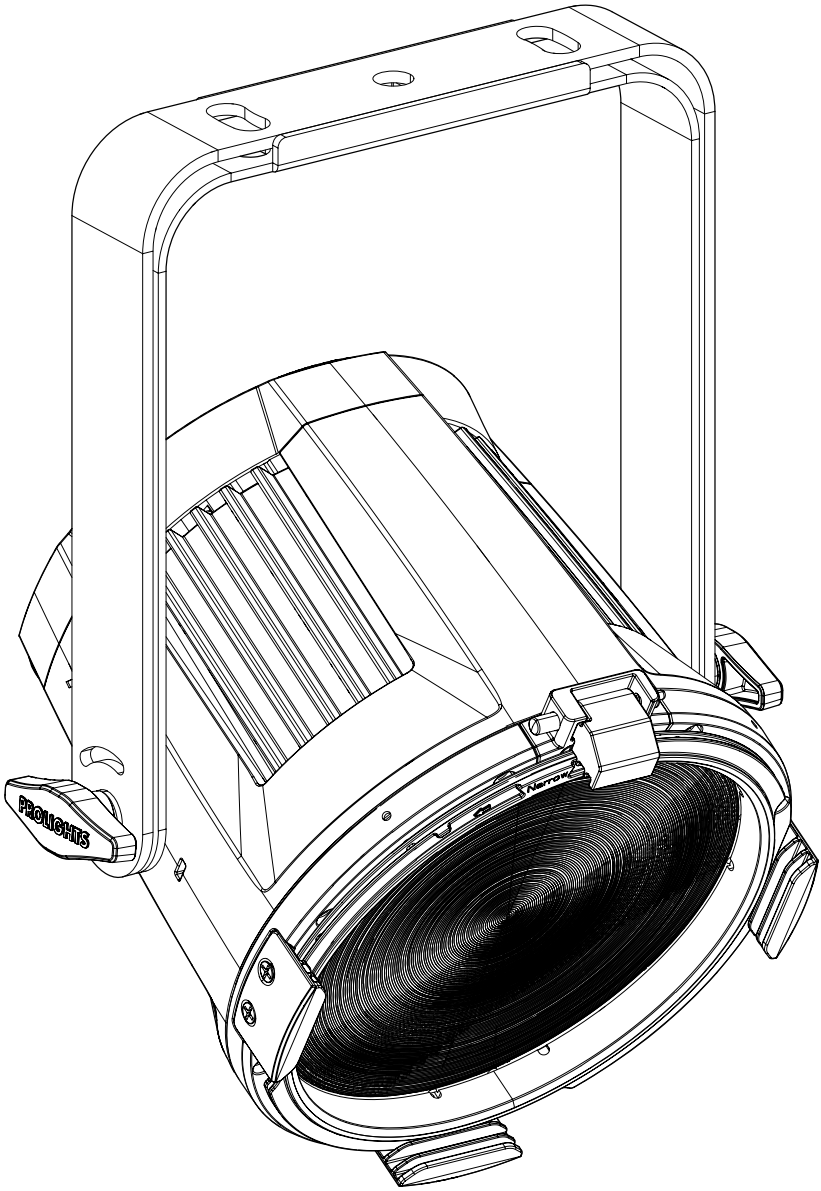


Connect the radio board to the appropriate connector on the master pcb and secure the antenna using an nylon cable tie.
NOTE: Visit https://www.prolights.it/product/ECLPARIPMWK#download for further information.

Fig.17

16 - PERIODICAL CLEANING

WARNING! Turn OFF power and allow approximately 20 minutes for the fixture to cool down.



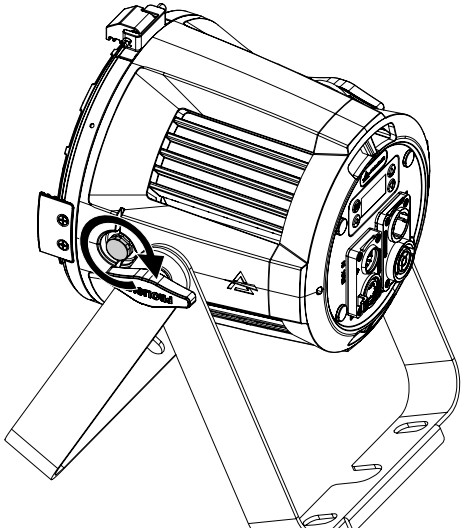
Use a soft cloth dampened with any detergent liquid for cleaning to remove the dirt from the optics.

Fig. 18

17 - TEST OF IP65 RATING

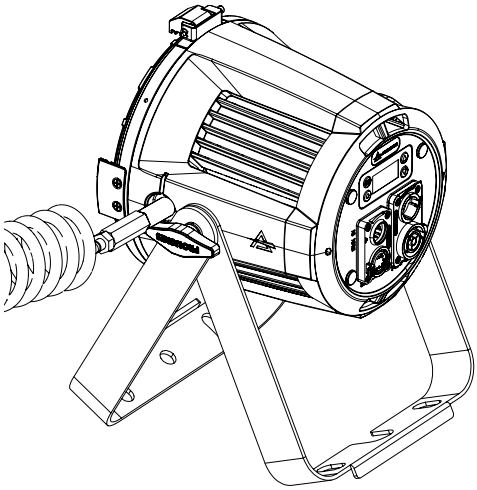
To check sealing after servicing use the IPTESTBOX.

1



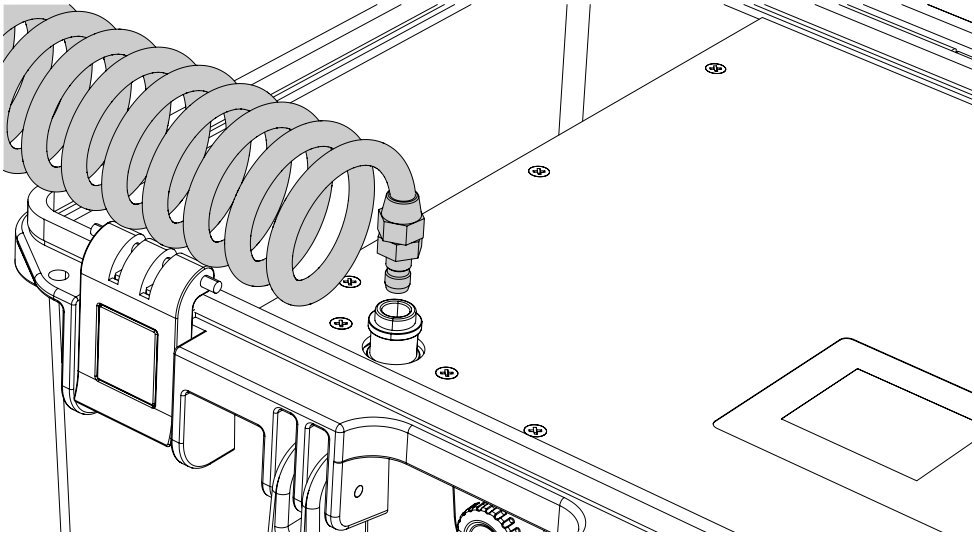
Remove the gore valve from the side of fixture.

2



Insert the threaded end into the threaded valve hole socket.

2



Connect the air hose to the IPTESTBOX by inserting the quick-connect fitting into the coupler.

Fig. 19

18 - MAINTENANCE

MAINTENANCE AND CLEANING THE PRODUCT

WARNING: Disconnect from the mains before starting any maintenance work

It is recommended to clean the front at regular intervals, from impurities caused by dust, smoke, or other particles to ensure that the light is radiated at maximum brightness.

- For cleaning, disconnect the main plug from the socket. Use a soft, clean cloth moistened with a mild detergent. Then carefully wipe the part dry. For cleaning other housing parts use only a soft, clean cloth. Never use a liquid, it might penetrate the unit and cause damage to it.
- The user must clean the product periodically to maintain optimum performance and cooling. The user may also upload firmware (product software) to the fixture via the DMX signal input port or USB port using firmware and instructions from PROLIGHTS.
- The frequency of such maintenance operations is to be performed according to various factors, such as the amount of the use and the condition of the installation environment (air humidity, presence of dust, salinity, etc.). It is recommended that the product is subject to annual service by a qualified technician for special maintenance involving at least the following procedures:
- General cleaning of internal parts.
- For all the parts subject to friction, using lubricants specifically supplied by PROLIGHTS.
- General visual check of the internal components, cabling, mechanical parts, etc.
- Electrical, photometric and functional checks; eventual repairs.
- Cleaning the lenses. Only use neutral soap and water to clean the lenses, then dry it carefully with a soft, non-abrasive cloth.

WARNING: the use of alcohol or any other detergent could damage the lenses.

- All other service operations on the product must be carried out by PROLIGHTS, its approved service agents or trained and qualified personnel.
- It is PROLIGHTS policy to apply the strictest possible calibration procedures and use the best quality materials available to ensure optimum performance and the longest possible component lifetimes. However, optical components are subject to wear and tear over the life of the product, resulting in gradual changes in colours over many thousands of hours of use. The extent of wear and tear depends heavily on operating conditions and environment, so it is impossible to specify precisely whether and to what extent performance will be affected. However, you may eventually need to replace optical components if their characteristics are affected by wear and tear after an extended period of use and if you require fixtures to perform within very precise optical and colour parameters.
- Do not apply filters, lenses or other materials on lenses or other optical components. Use only accessories approved by PROLIGHTS.

REPLACING THE FUSE

WARNING: Before replacing the fuse, unplug the product from the mains.

- Remove the old fuse from the housing with a suitable screwdriver (anticlockwise) and replace it with one of the same type and of the same classification (T8A 250V).

VISUAL CHECK OF PRODUCT HOUSING

- The parts of the product cover/housing should be checked for eventual damages and breaking start at least every two months. In addition, especially the parts of the front lens holder have to be checked mechanically (by means of movement by the part) if it is firmly fastened to the fixture. If hint of a crack is found on some plastic part, do not use the product until the damaged part will be replaced.
- Cracks or another damages of the cover/housing parts can be caused by the product transportation or manipulation and also ageing process may influence materials.
- This checking is necessary for both fixed installations and preparing product for renting. Any free moving parts inside of the product, cracked cover/housing or any part of front lens not sitting properly in place need to be immediately replaced.

TROUBLESHOOTING

Problems	Possible causes	Checks and remedies
Product doesn't power ON	• No power to the product	• Check that power is switched ON and cables are plugged in.
	• Fuse blown or internal fault	• Check if the Fuse is intact and eventually replace it if necessary. • Contact the PROLIGHTS Service or authorized service partner. Do not remove parts and/or covers, or carry out any repairs or service that are not described in this Safety and User Manual unless you have both authorization from PROLIGHTS and the service documentation.
Product reset correctly but does not respond correctly to the contoller.	• Bad signal connection	• Inspect connections and cables. Fix eventual bad connections. Repair or replace damaged cables.
	• Signal connection not terminated	• Insert DMX termination plug in signal output socket of the last product on the signal line.
	• Incorrect addressing of the product	• Check the product address and control settings
	• One of the product is defective and is corrupting the signal transmission on the signal line	• Unplug the XLR in and out connectors and connect them directly together to bypass one product at a time until normal operation is regained. Once found the error, have that fixture serviced by a qualified technician.
Timeout error after fixture reset.	• One or more hardware components requires mechanical adjustments	• Check product stored error messages for more information. Contact PROLIGHTS Service or an authorized service partner.
Mechanical effect loses position	• Mechanical hardware require cleaning, adjustment or lubrification	• Check product stored error messages for more information. Contact PROLIGHTS Service or an authorized service partner.
Light output turn OFF Intermittently	• Fixture is too hot	• Check product stored error messages. • Allow product to cool. • Clean the product and airflow filters. • Reduce ambient temperature.
	• Hardware failure (temperature sensor, fans, Light source...)	• Check product stored error messages for more information. Contact. PROLIGHTS Service or an authorized service partner.
General low light intensity	• Dirty lens assembly • Dirty or damaged filters	• Clean the fixture regularly. • Install lens assembly properly.

Contact an authorized service center in case of technical problems or not reported in the table can not be resolved by the procedure given in the table.

Note

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