



EclPar DotVW

20W Variable White LED pins-
pot, 5° beam angle



USER MANUAL

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.

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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**



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SAFETY INFORMATION



WARNING!

- See <https://www.prolights.it/product/ECLPARDOTVW#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.
- The product has XLR sockets for DMX input and output.
- Connection of the control signal: DMX LINE.
- Notice: this control circuit is not isolated.
- Cumulative leakage current of less than 3.5mA on the control circuit.



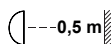
Protection and Warning against electrical shock

- 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 (T_a)

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

T_a -10 °C

Minimum operating ambient temperature (T_a)

- Do not operate the fixture if the ambient temperature (T_a) is below -10 °C (14 °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.



Indoor use

- This product is designed for indoor and dry environments.
- Do not use in wet location and do not expose the fixture to rain or moisture.
- 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 70 °C

Temperature of the external surface

- The surface of the fixture can reach up to 70 °C (158 °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.



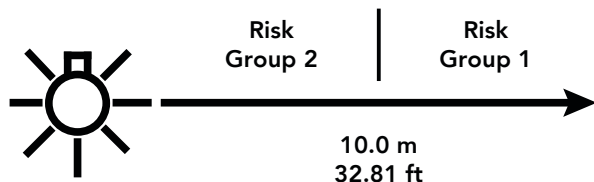
Photobiological safety

- This device emits potentially dangerous optical radiation and is identified in the category of Risk Group 2 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.
- The device should be positioned so that prolonged staring into the luminaire at a distance closer than 10,0 m (32,81 ft) is not expected.



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).



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

- The product meets the safety requirements of the certification procedures of the market in which it is placed and sold.

1 - PACKAGING

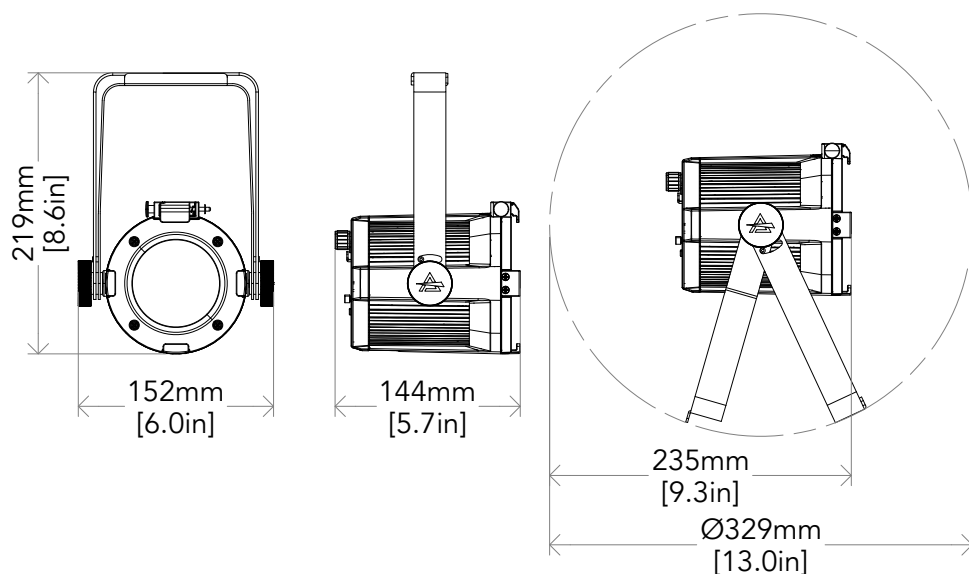
PACKAGE CONTENT

- 1x ECLPARDOTVW;
- 1 x 1,5 meters 3G1,5mmq power cable (BARE END - SEETRONIC IP65 power connector);
- User Manual.

OPTIONAL ACCESSORIES

Check the updated accessories list, description and informations of the product at the following link:
<https://www.prolights.it/product/ECLPARDOTVW#accessories>

2 - TECHNICAL DRAWING



Weight: 1,2 kg - 2,65 lbs

Fig. 01

3 - INSTALLATION

MOUNTING

Ensure the supporting structure can safely bear the combined weight of all installed fixtures, clamps, cables, auxiliary equipment, etc., and complies with local regulations.

When suspending the fixture above ground level, secure it with a safety wire rated for the fixture's weight, attaching it to an anchor point on the 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 half-coupler clamps only. Do not use clamps that do not fully encircle the structure when fastened.

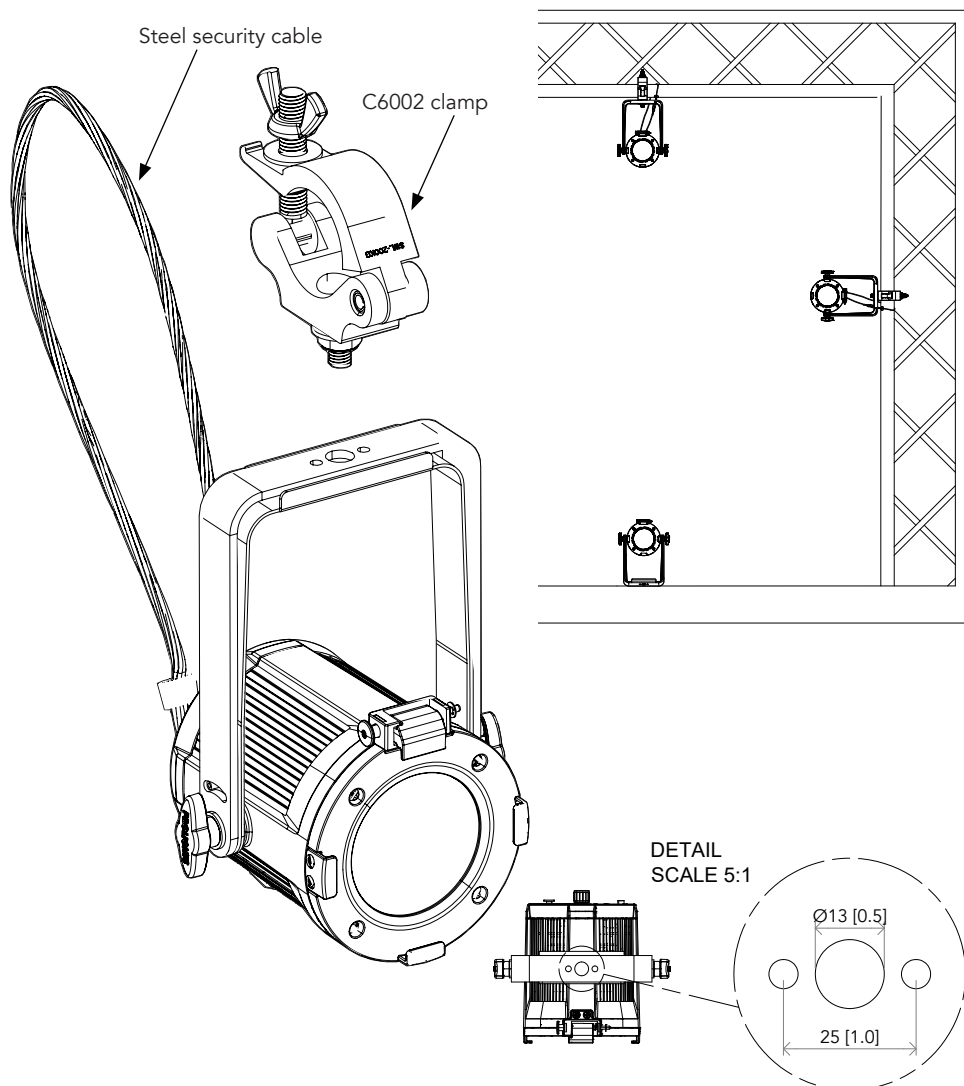


Fig.02

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: 25W.

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. ADJUSTABLE BRACKET for hanging safe.
 2. KNOBS to lock the bracket.
 3. SAFETY HOLE: to attach safety cable.
 4. POWER IN: for connection to the Mains 100-240V~/50-60Hz.
 5. DMX IN (5-p XLR): 1 = GND, 2 = sign-, 3 = sign+, 4 N/C, 5 N/C.
 6. DMX OUT (5-p XLR): 1 = GND, 2 = sign-, 3 = sign+, 4 N/C, 5 N/C.
 7. POWER OUT: for connection to the Mains 100-240V~/50-60Hz.
 8. USER INTERFACE with display and buttons for access to the control panel functions.
 9. TOP CLIP to lock/unlock the accessories.
-

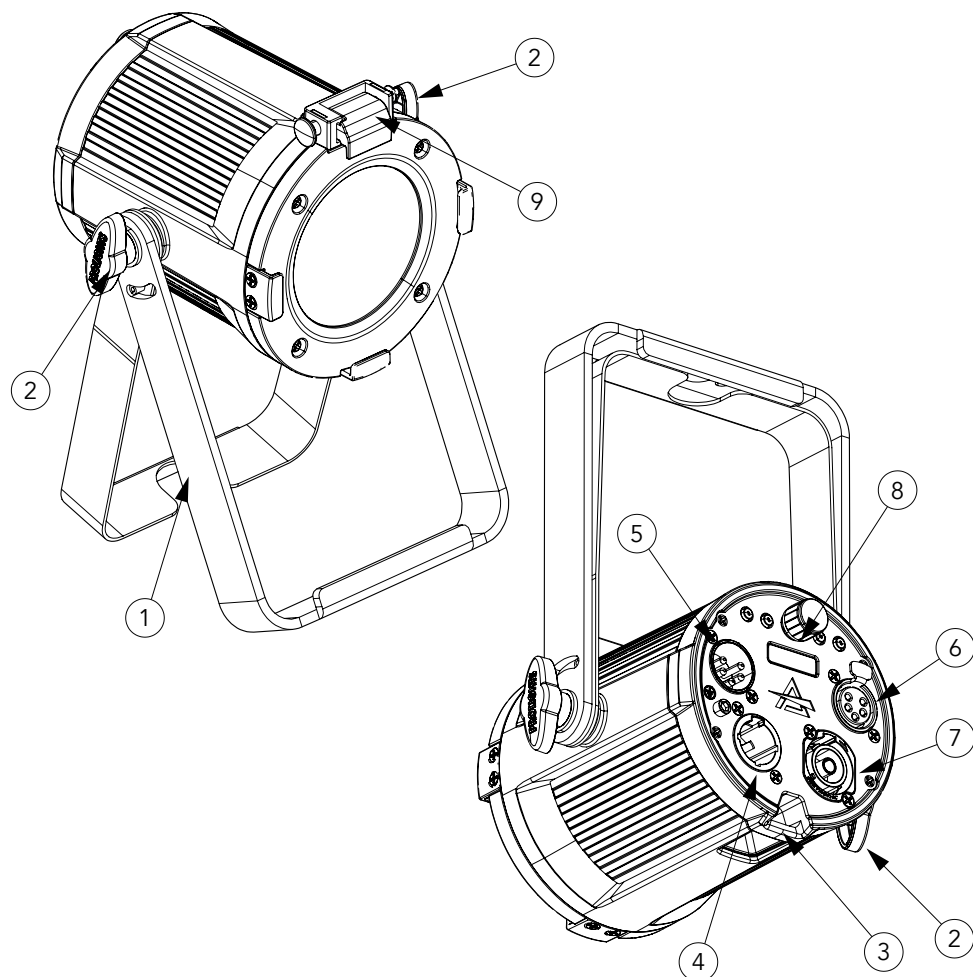


Fig. 03

7 - DMX CONNECTION

CONNECTION OF THE CONTROL SIGNAL: DMX LINE

The product has XLR sockets for DMX input and output.

DMX - INPUT
XLR plug



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

DMX - OUTPUT
XLR socket

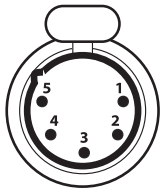


Fig. 04

The default pin-out on both socket is as the following diagram:

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's DMX input (male XLR connector). Run the data link from the product's DMX output (female XLR connector) to the DMX input of the next fixture.

Terminate the data link by connecting a 120 Ω termination resistor. If using a splitter, terminate each branch of the link. Install a DMX termination plug on the last fixture in the link.

CONNECTION OF THE DMX LINE

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

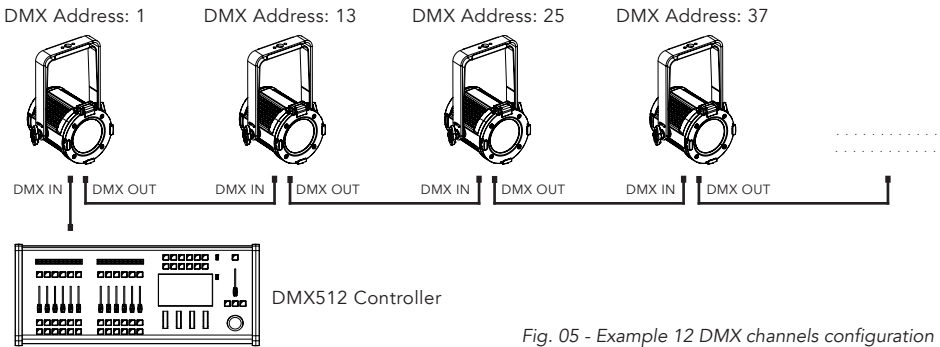


Fig. 05 - Example 12 DMX channels configuration

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.

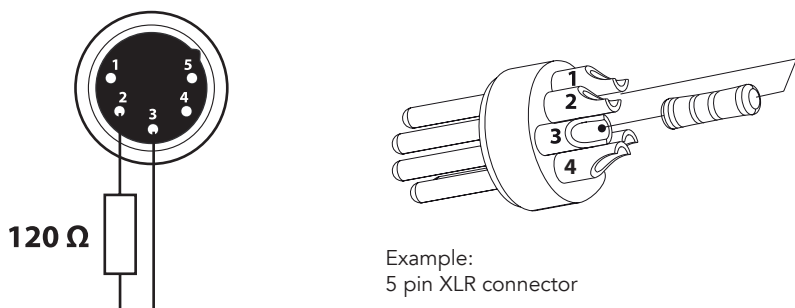


Fig. 06

DMX ADDRESSING

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. To control multiple fixtures individually, assign a unique starting address to each fixture.

The number of channels used by the fixture depends on the selected DMX mode, so always check the DMX Mode in the MENU before setting the address.

If two fixtures are assigned the same address, they will behave identically. Assigning the same address to multiple fixtures can be helpful for diagnostic purposes and symmetrical control.

DMX addressing is limited to ensure there are enough control channels available for the fixture.

To set the fixture's DMX address:

1. Press MENU to open the main menu.
2. Navigate to the addressing menu, then select the DMX ADDRESS settings.
3. Choose an 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.

8 - CONTROL PANEL

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

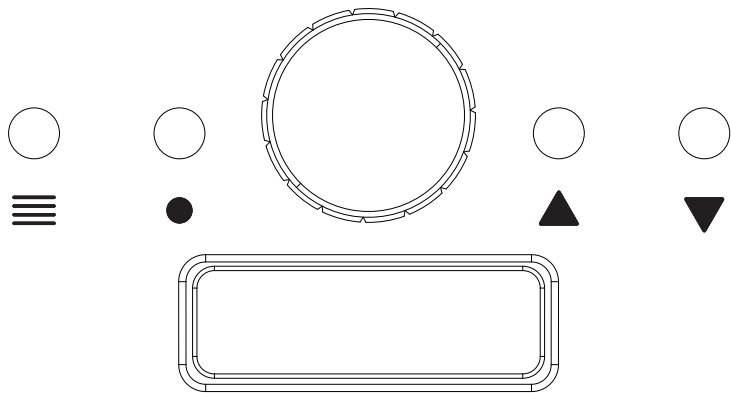


Fig. 07

DISPLAY AND BUTTONS LAYOUT

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

	MENU - Used to access the menu tree and to return to the upper level. Hold to go back to the home screen.
	UP - Browse upwards through the menu list and increases the numeric value displayed.
	DOWN - Browse downwards through the menu list and decreases the numeric value displayed.
	ENTER - Used to confirm the displayed value, or activate the displayed function.
	PUSH-ENCODER - Used for standalone purposes.

SHORTCUT

Keys	Mode	Description
UP + DOWN after power on	Flip Display	Directly flip display without enter inside menu
ENTER for 3s	Home screen (Keep 3 sec)	Stand Alone menu
DOWN for 3s	Home screen (Keep 3 sec)	Factory Reload

9 - MENU STRUCTURE

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

MENU: CONNECT						
LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	DESCRIPTION	
DMX ADDRESS	1-512				Set DMX Address	
DMX MODE	UNO	WHITE PRESETS	2700K		Set DMX Mode	
			2800K			
			3000K			
			3200K			
			3500K			
			4000K			
			4200K			
			4500K			
			5000K			
			5600K			
		MANUAL COLORS	WARM WHITE	0-255		
			COLD WHITE	0-255		
	2CH					
	3CH					
	4CH1					
	4CH2					
	9CH					

MENU: SETUP					
LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	DESCRIPTION
SCREEN	BACKLIGHT	ON			Select the timing after that display will switch automatically off when unactive.
		10S			
		20S			
		30S			
	FLIP DISPLAY	ON			Allows you to rotate the display by 180°
		OFF			
	KEY LOCK	ON			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, ENTER
		OFF			
	TEMPERATURE UNIT	°C			Choose Temperature unit.
		°F			
TRANSFER CONFIG	WITHOUT DMX ADDRESS				Transfer settings from current fixture to other fixture of the same model using DMX Protocol. If there is signal coming from other source Transfer Configuration it's not available.
	WITH DMX ADDRESS				

MENU: ADVANCED

LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	DESCRIPTION
DIMMER CURVE	LINEAR				"DIMMER CURVES" on page 17
	S-CURVE				
	SQUARE LAW				
	INVERSE SQUARE LAW				
DIMMER SPEED	AUTO				"DIMMER SPEEDS" on page 18
	FAST				
	MEDIUM				
	SLOW				
	OFF				
WHITE CALIBRATION	OFF				Default: calibrated; if no calibration need to be on manual to 255 on both colors.
	MANUAL	WARM WHITE	<125-255>		
		COLD WHITE	<125-255>		
LED FREQUENCY	1000HZ				Select PWM frequency. NOTE: Using higher LED Frequency color accuracy may be slightly compromised at low level of dimmer.
	2000HZ				
	4000HZ				
	6000HZ				
	25KHZ				
DMX FAULT	HOLD				Select behaviour in case of Signal fault.
	BLACKOUT				
	STAND ALONE				
FACTORY RELOAD	ON				Factory Reload to bring back all default values and settings.
	OFF				

MENU: INFORMATIONS

LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	DESCRIPTION
DEVICE TIME	FIXTURE HOURS	<99999H>			View informations about product operating lifetime. Fixture Hours is countered based on general operation time. Hours are countered since Power is plugged in. Source Hours is countered based on LED Activity time.
	CURRENT HOURS	<99999H>			
	SOURCE HOURS	<99999H>			
	AC POWER ON CYCLE	<99999H>			
	MAINTENANCE TIME	ELAPSED TIME			
		ALERT PERIOD	10 - 1000		
POWER CONS.	** W				Show estimated power consumption.
TEMPERATURE	NEAR SOURCE TEMP, DRIVER PCB TEMP, LED PCB TEMP,...				Show all NTC temperatures.
CHANNEL VALUE					Show all Channel values as a list, value shown depends on DMX Mode
ERROR MESSAGE					Show error message
FIXTURE MODEL	< - >				Show RDM fixture model
DEVICE LABEL	<RDM LABEL>				Show RDM Label.
SOFTWARE VERSION	" <V1.0> "				Show firmware version of the fixture
CRMX MODULE VERSION	TimoFX: Vx.x.xx				Show firmware version of TimoFX module.
RDM UID	15D00228****				Show RDM UID of the fixture.

MENU: STAND ALONE

LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	DESCRIPTION
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 to 5	EFFECT 1	SPEED: 1-100		Effects modes allows creation and editing of 5 effects maximum.
		EFFECT 2			
		EFFECT 3			
		EFFECT 4			
		EFFECT 5			
CCT	2700K - 5600K	DIMMER: 0-255			Default: 3200K
WHITE PRESETS	2700K	DIMMER 000 - 255			
	2800K				
	3000K				
	3200K				
	3500K				
	4000K				
	4200K				
	4500K				
	5000K				
	5600K				
MANUAL COLORS	WARM WHITE	000 - 255			
	COLD WHITE	000 - 255			

ENCODER BEHAVIOUR WHEN DMX FAULT@STAND ALONE

STAND ALONE MODE	ONE TIME PRESS	MOVE ENCODER	DOUBLE PRESS	HOLD for 3 sec
EFFECTS/SPEED	Switch between: EFFECTS SPEED	Change the Speed value / scroll Effects	HIGHLIGHT / LEAVE HIGHLIGHT	Encoder Lock / Encoder Unlock
CCT/ DIMMER	Switch between: CCT DIMMER	set value of CCT / Change the Dimmer value	HIGHLIGHT / LEAVE HIGHLIGHT	Encoder Lock / Encoder Unlock
WHITE PRESETS / DIMMER	Switch between: WHITE PRESETS DIMMER	scroll White Presets / Change the Dimmer value	HIGHLIGHT / LEAVE HIGHLIGHT	Encoder Lock / Encoder Unlock
"DIMMER / WARM WHITE / COLD WHITE"	Switch between: DIMMER WARM WHITE COLD WHITE	Change the Dimmer value / set linearly value of Warm White-Cold White	HIGHLIGHT / LEAVE HIGHLIGHT	Encoder Lock / Encoder Unlock

MASTER/SLAVE

The MASTER/SLAVE function enables the fixture to operate in standalone mode, where it must be set to MASTER. When configured correctly, this allows one fixture to control multiple fixtures in a daisy chain setup, ensuring synchronized operation. Below are the available modes:

- **MASTER DMX** - The fixture operates as the master, with standalone mode active, and transmits the same standalone functionality via DMX to other fixtures in the daisy chain.
- **MASTER NO DMX** - The device works as master but does not transmit the DMX signal to the other devices connected in the daisy chain.
- **SLAVE** - The fixture remains in standby, waiting to receive a signal from another device set to MASTER DMX. If a standalone mode is selected on the fixture, it will automatically switch to MASTER NO DMX.saved presets or factory settings.

DIMMER CURVES

Five dimming modes are available:

1. **LINEAR** - Light intensity increases proportionally to the DMX value, creating a linear perception.
2. **S-CURVE** - Light intensity is finer at low and high levels, with coarser control at mid-levels.
3. **SQUARE LAW** - Light intensity is finer at low levels and becomes coarser at higher levels.
4. **INVERSE SQUARE LAW** - Light intensity is coarser at low levels and finer at higher levels.

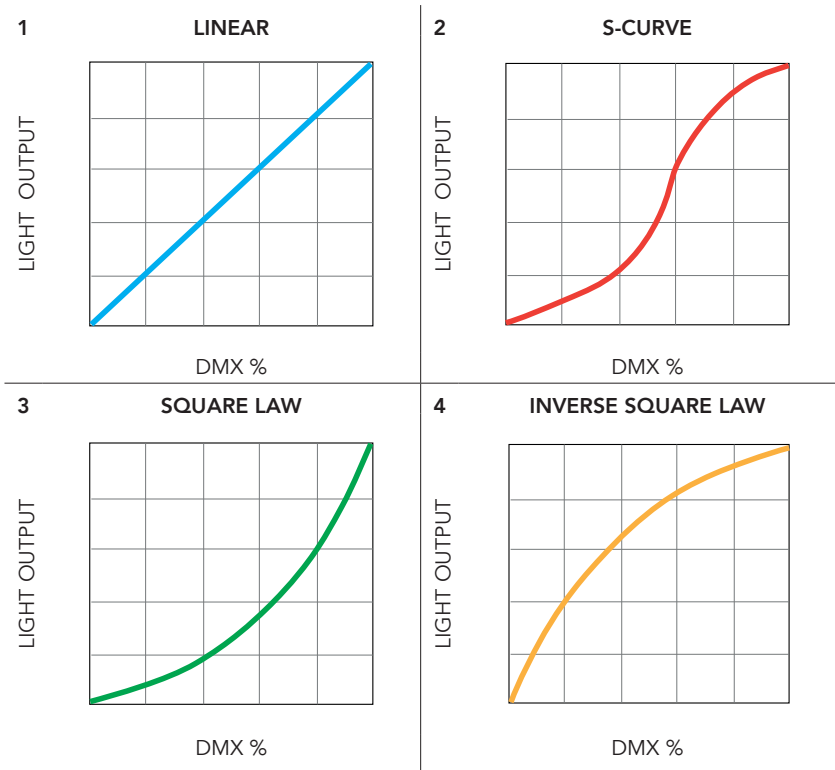


Fig. 08

DIMMER SPEEDS

Five dimming speeds are available:

1. **AUTO** - When the DMX value changes by more than 50 DMX values, the intensity will instantly adjust to the new value. For changes less than 50 DMX values, the fast dimming curve will be applied.
2. **FAST** - Indicates the fast speed dimming curve. Refer to the diagram for reference.
3. **MEDIUM** - Indicates the medium speed dimming curve. Refer to the diagram for reference.
4. **SLOW** - Indicates the slow dimming curve. Refer to the diagram for reference.
5. **OFF** - The intensity will immediately adjust to the new value (essentially no delay effect).

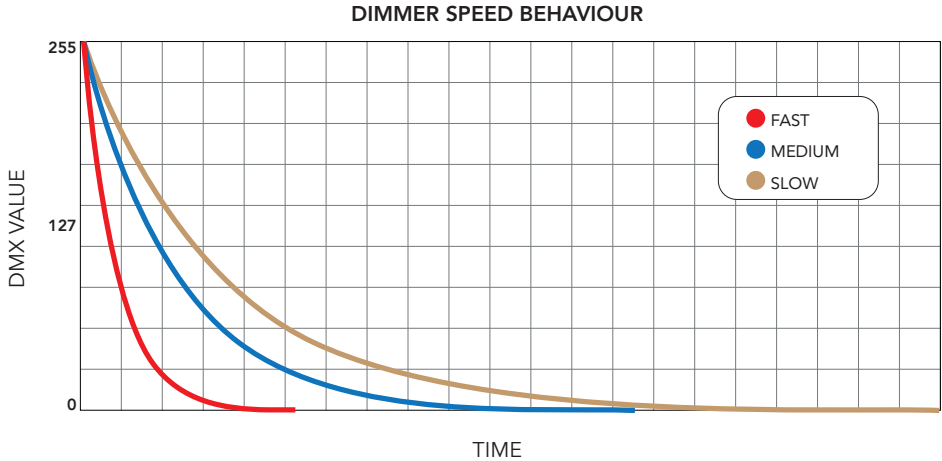


Fig. 09

USER SETTINGS

This function allows the fixture to store and manage custom settings, which are saved as user presets. Factory default settings will not overwrite these saved presets, preserving each user's configuration.

- **SAVE** - Available when a preset slot is empty, enabling users to save the current fixture settings into that slot. Up to five presets can be saved for quick recall of different configurations.
- **RECALL** - Loads the settings stored in a selected preset slot, applying them to the fixture and making it easy to switch between saved configurations as needed.
- **DELETE** - Clears the selected preset slot, freeing it up for a new save. Deleting a preset does not impact any other saved presets or factory settings.

10 - DMX CHARTS

RDM Model ID: 0xD184

RDM Personality ID List

ID	DMX Mode	Footprint
1	UNO	1
2	DUO	2
3	2CH	2CH
4	3CH	3CH
5	4CH1	4CH1
6	4CH2	4CH2
7	9CH	9CH

DMX BASIC MODES

PARAMETER	UNO	DUO	2CH	3CH	4CH1	4CH2	9CH
DIMMER	1	1	1	-	1	1	1
DIMMER FINE	-	2	-	-	2	-	2
STROBE	-	-	-	-	-	-	3
CCT	-	-	2	-	3	-	4
CROSSFADE	-	-	-	-	-	-	5
WARM WHITE	-	-	-	1	-	2	6
COLD WHITE	-	-	-	2	-	3	7
RESERVED	-	-	-	3	4	4	8
CONTROL	-	-	-	-	-	-	9

CHANNEL DEFINITION

Dimmer					
Function	8 bit value		16 bit value		Note
	From	To	From	To	
Dimmer	0	255	0	65535	Default @ 0 (Linear Dimmer 0 - 100%)

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	-	-	

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

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

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

CCT (2700K - 6500K)

Function		8 bit value		16 bit value		Note
CCT(K) From	CCT(K) 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	
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	

Control Channel

Function		8 bit value		Note
		From	To	
	No Function / Safe	0	1	Default @ 0
DISPLAY	ON	2	3	Hold 3s to take function
	10s	4	5	
	20s	6	7	
	30s	8	9	
FLIP DISPLAY	ON	10	11	
	OFF	12	13	
KEY LOCK	ON	14	15	
	OFF	16	17	
TEMPERATURE UNIT	°C	18	19	
	°F	20	21	
DIMMER CURVE	LINEAR	22	23	
	S-CURVE	24	25	
	SQUARE LAW	26	27	
	INVERSE SQUARE LAW	28	29	
DIMMER SPEED	AUTO	30	31	
	FAST	32	33	
	MEDIUM	34	35	
	SLOW	36	37	
	OFF	38	39	
WHITE CALIBRATION	OFF	40	41	
	MANUAL	42	43	
LED FREQUENCY	1000HZ	44	45	
	2000HZ	46	47	
	4000HZ	48	49	
	6000HZ	50	51	
	25KHZ	52	53	
DMX FAULT	HOLD	54	55	
	BLACKOUT	56	57	
	STAND ALONE	58	59	
STANDALONE	MASTED DMX	60	61	
	MASTER NO DMX	62	63	
	SLAVE	64	65	
	EFFECTS	66	67	
	CCT	68	69	
	WHITE PRESETS	70	71	
	MANUAL	72	73	
	Reserved	74	251	
	Reset all channel controlled	252	253	
	Reserved	254	255	

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.

Category	Parameter	Value	GET	SET
RDM Information	SUPPORTED_PARAMETERS	0x0050	x	
	PARAMETER_DESCRIPTION	0x0051	x	
Product Information	PRODUCT_DETAIL_ID_LIST	0x0070	x	
	DEVICE_MODEL_DESCRIPTION	0x0080	x	
	MANUFACTURER_LABEL	0x0081	x	
	DEVICE_LABEL	0x0082	x	x
	FACTORY_DEFAULTS	0x0090	x	x
DMX512 Setup	DMX_PERSONALITY	0x00E0	x	x
	DMX_PERSONALITY_DESCRIPTION	0x00E1	x	
	DMX_START_ADDRESS	0x00F0	x	x
	SLOT_INFO	0x0120	x	
	SLOT_DESCRIPTION	0x0121	x	
	DEFAULT_SLOT_VALUE	0x0122	x	
Sensors	SENSOR_DEFINITION	0x0200	x	
	SENSOR_VALUE	0x0201	x	x
Dimmer Settings	CURVE	0x0343	x	x
	CURVE_DESCRIPTION	0x0344	x	x
	OUTPUT_RESPONSE_TIME	0x0345	x	x
	OUTPUT_RESPONSE_TIME_DESCRIPTION	0x0346	x	
	MODULATION_FREQUENCY	0x0347	x	x
	MODULATION_FREQUENCY_DESCRIPTION	0x0348	x	
Power/Lamp Settings	DEVICE_HOURS	0x0400	x	x
	LAMP_HOURS	0x0401	x	x
	LAMP_STRIKES	0x0402	x	x
	LAMP_STATE	0x0403	x	x
	LAMP_MODE	0x0404	x	x
	DEVICE_POWER_CYCLES	0x0405	x	x

Manufacturer Specific PIDs

Parameter	PID	GET	SET	Value	Description
MASTER/SLAVE	0x8211	x	x	0-2	0: Master DMX 1: Master NO DMX 2: Slave
DMX FAULT	0x82DD	x	x	0-2	0: Hold 1: Blackout 2: Stand Alone
MANUAL WW	0x82C1	x	x	0-255	DEFAULT: 255
MANUAL CW	0x82C2	x	x	0-255	DEFAULT: 255
MANUAL DIMMER	0x82C3	x	x	0-255	DEFAULT: 255
CCT	0x82C4	x	x	0-255	
CCT DIMMER	0x82C5	x	x	0-255	DEFAULT: 255
WHITE PRESETS	0x82C6	x	x	0-9	0: 2700K 1: 2800K 2: 3000K 3: 3200K 4: 3500K 5: 4000K 6: 4200K 7: 4500K 8: 5000K 9: 5600K
WHITE BALANCE CW	0x82C7	x	x	125-255	
WHITE BALANCE 2W	0x82C8	x	x	125-255	
CURRENT HOURS	0x82C9	x		0-1	
ERROR MESSAGES	0x82EA	x		0-2	
CLEAN ALL DATA	0x82D0	x	x	0-1	0: No 1: Yes
EFFECTS	0x8210	x	x	1-5	DEFAULT: 1
EFFECTS SPEED	0x82BE	x	x	0-255	DEFAULT: 255
POWER CONSUMPTION	0x82EF	x			
STAND ALONE MODE	0x82EC	x	x	0-3	0: Effects 1: CCT 2: White Presets 3: Manual Colors

12 - ERROR MESSAGES

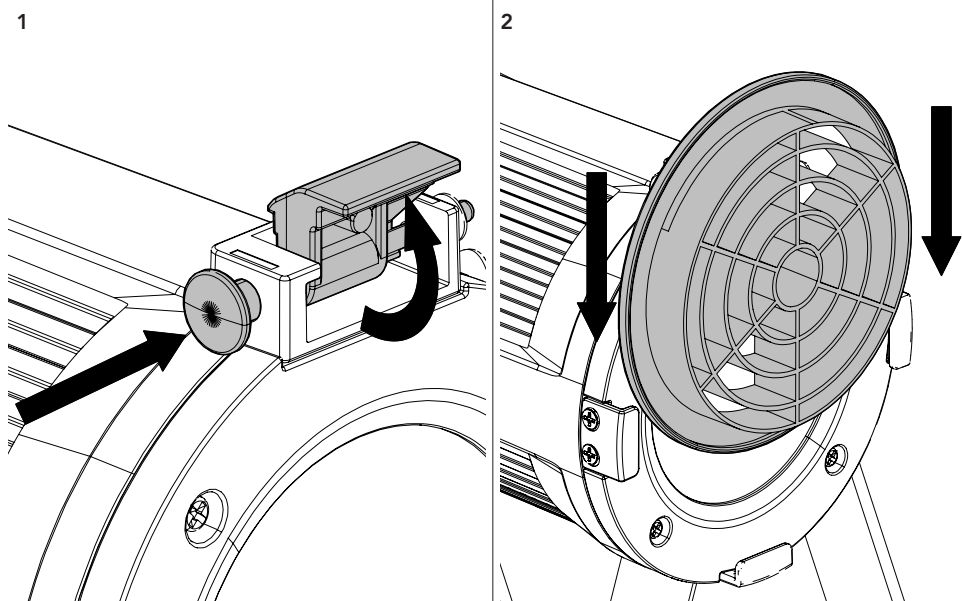
The error is shown on the unit display. In the table below, the "ERROR SHOWED ON SCREEN" column lists the possible errors, accompanied by a possible cause ("POSSIBLE" CAUSES "column).

ERROR SHOWED ON SCREEN	POSSIBLE CAUSES	POSSIBLE PCB WITH ANOMALY
NO ERROR	No error	-
TEMPERATURE HIGH	The temperature is higher than the set temperature	LED MODULE
SENSOR ERROR	Sensor error	TEMP. SENSOR
MAINTENANCE	Maintenance time is up	DISPLAY / DRV

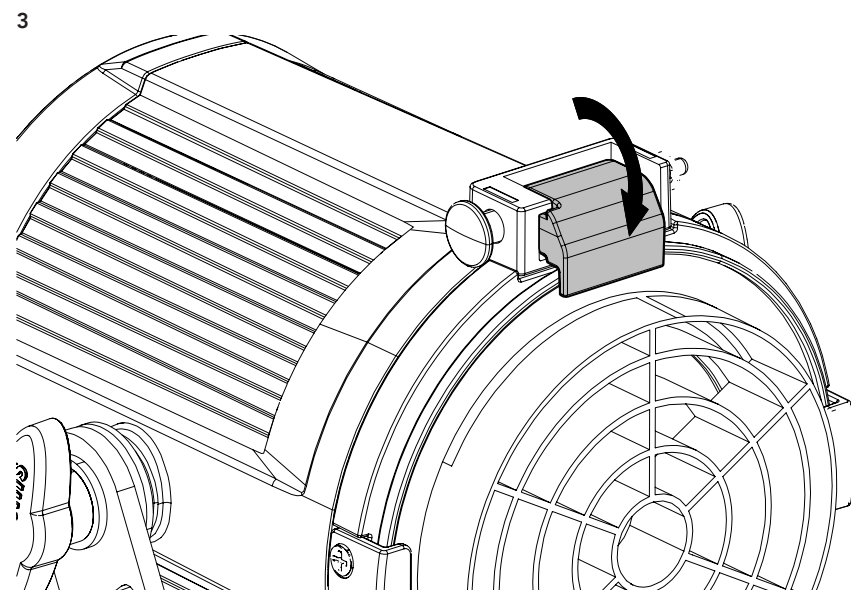
13 - ACCESSORIES INSTALLATION

SNOOT, LOUVRE

(PDOTFSNOOT; PDOTCLOUVRE - OPTIONAL)



Open the Holder Clip (1) and insert the accessory (2).



Once the accessory is inserted close the top clip (3).

Fig. 10

14 - 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.

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.	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 does not respond correctly to the controller.	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	One or more hardware components requires mechanical adjustments.	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. - Reduce ambient temperature.
	Hardware failure (temperature sensor, 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	Clean the fixture regularly.
	Dirty or damaged filters	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.

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This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

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