



ArcPod 300FCLT

Outdoor IP66 LED 2.5° narrow-beam Full Color wash light.



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.

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**



The PROLIGHTS Logo, PROLIGHTS names and all other trademark in this document pertaining to PROLIGHTS services or PROLIGHTS product are trademarks OWNED or licensed by Music & Lights S.r.l., its affiliates, and subsidiaries. PROLIGHTS is a registered trademark by Music & Lights S.r.l. All right reserved. Music & Lights – Via A. Olivetti, snc - 04026 - Minturno (LT) ITALY.

INDEX

SAFETY INFORMATION	02
1 - PACKAGING	05
PACKAGE CONTENT	05
2 - TECHNICAL DRAWING	05
3 - INSTALLATION	06
MOUNTING	06
4 - PRODUCT OVERVIEW	07
5 - CONNECTION TO THE MAINS SUPPLY	08
6 - DMX CONNECTION	09
CONNECTION OF THE CONTROL SIGNAL: DMX LINE	09
INSTRUCTIONS FOR A RELIABLE DMX CONNECTION	09
CONNECTION DAISY CHAIN OF THE DMX LINE	09
DMX ADDRESSING	10
7 - RDM FUNCTIONS	11
8 - OPERATION VIA DATAMASTER	13
RDM SETTING	13
STAND ALONE FUNCTION	15
9 - DMX CHARTS	16
10 - ACCESSORIES INSTALLATION	18
LIGHT DIFFUSION FILTER (CODE A300FCLTFILT3/5/8)	18
BARN DOOR (CODE S48QBD - OPTIONAL)	19
11 - MAINTENANCE	20
MAINTENANCE AND CLEANING THE PRODUCT	20
VISUAL CHECK OF PRODUCT HOUSING	20
TROUBLESHOOTING	21
12 - TEST OF IP66 RATING	22
To check sealing after servicing use the IPTESTBOX	22

SAFETY INFORMATION



WARNING!

- See <https://www.prolights.it/product/ARCP0D300FCLT#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 -20 °C

Minimum operating ambient temperature (T_a)

- Do not operate the fixture if the ambient temperature (T_a) 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.

IP66

Permanent Outdoor use

- This product is rated with an IP (Ingress protection) for permanent 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 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.



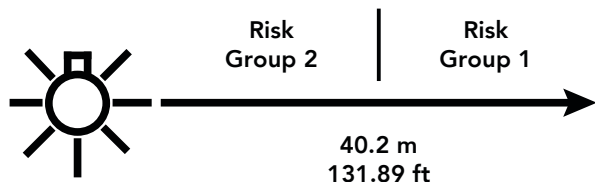
Photobiological safety

- 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 40,2 m (131,89 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

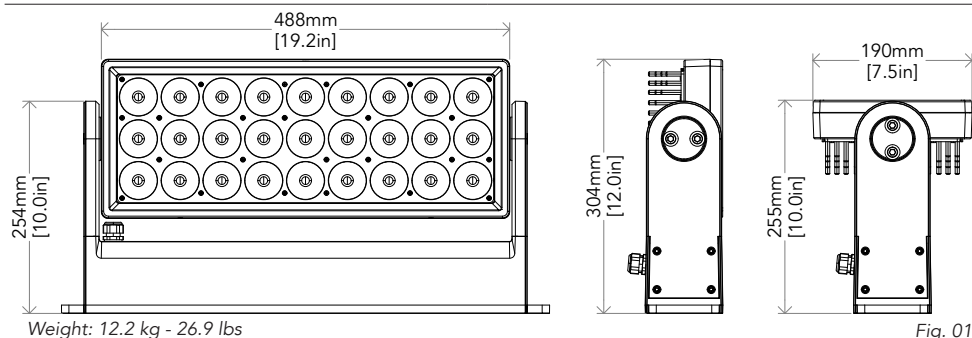
PACKAGE CONTENT

- 1x ARCP0D300FCLT;
- 1x 0,28 meters 3G1mmq power cable (BARE END - IP connection adapter);
- 1x 5p XLR - IP connection female adapter;
- 1x 5p XLR - IP connection male adapter;
- 1x User manual

OPTIONAL ACCESSORIES

Check the updated accessories list, description and informations of the product at the following link:
<https://www.prolights.it/product/ARCP0D300FCLT#accessories>

2 - TECHNICAL DRAWING



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.

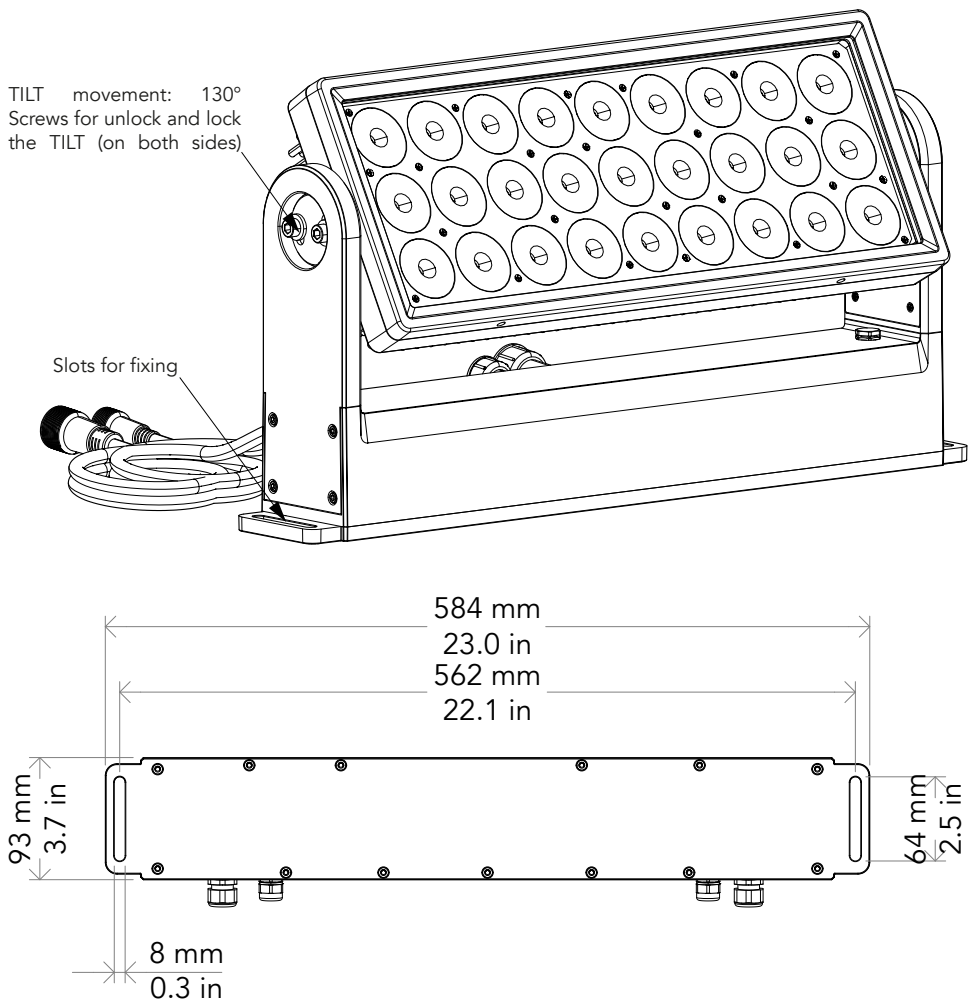


Fig. 02

4 - PRODUCT OVERVIEW

1. POWER IN: for connection to a mains (100-240V~/50-60Hz). The max power consumption is 120W.
 2. DMX IN (3-pole): 1 = GND, 2 = sign-, 3 = sign+.
 3. DMX OUT (3-pole): 1 = GND, 2 = sign-, 3 = sign+.
 4. POWER OUT: power output for connection of multiple units in series.
 5. Gore Valves.
-

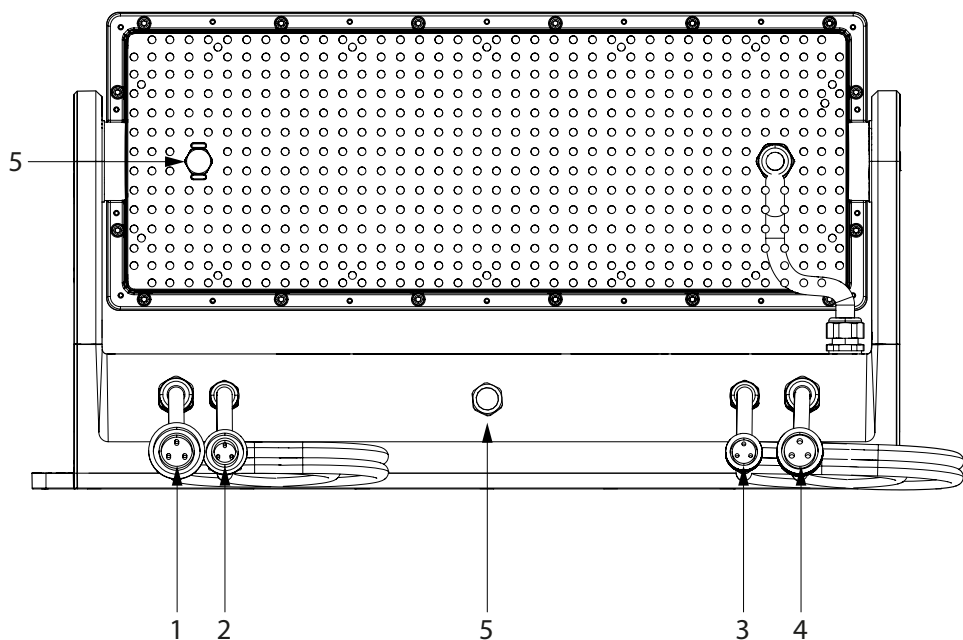


Fig. 03

5 - 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 260W.
You can link up tp 2 units at 120 V; 4 at 230 V. Never exceed this number. Power linking cords can be purchased separately.
When connecting the unit to a local power, it may be necessary to use the Schuko to IP67 adapters supplied with this product.

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

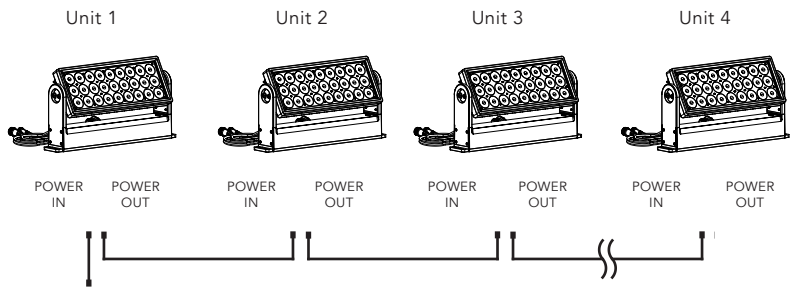
MALE POWER
IP67 CONNECTOR



FEMALE POWER
IP67 CONNECTOR



Fig. 04



MAINS 230V

NOTE: when not using the Power output connectors, you must seal the cable ends with the supplied caps.

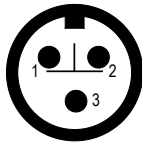
Fig. 05 - Example configuration (Output at 230 V)

6 - DMX CONNECTION

CONNECTION OF THE CONTROL SIGNAL: DMX LINE

The product has connectors for DMX input and output.

DMX - INPUT
IP67 CONNECTOR



Pin1 : GND - Shield
Pin2 : - Signal
Pin3 : + Signal

DMX - OUTPUT
IP67 CONNECTOR

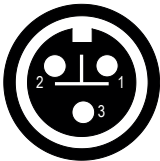


Fig. 06

The default pin-out on both connectors 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.**

NOTE: To connect the unit to your DMX network, it is necessary to use the adapters XLR 5 pin-IP67 signal connector, supplied with this product.

CONNECTION DAISY CHAIN OF THE DMX LINE

Connect the DMX data output from the DMX source to the product DMX input (male connector).
Run the data link from the product DMX output (female connector) connector to the DMX input of the next fixture.
Terminate the data link by connecting a 120 Ohm signal termination.
The termination is prepared by 120Ω 1/4 W resistor between pins 2 and 3 of the male DMX connector.
Install a DMX termination plug on the last fixture on the link. If a splitter is used, terminate each branch of the link.

NOTE: when not using the DMX input or DMX output connectors, you must seal the cable ends with the supplied caps.

The following diagram shows the DMX connection:

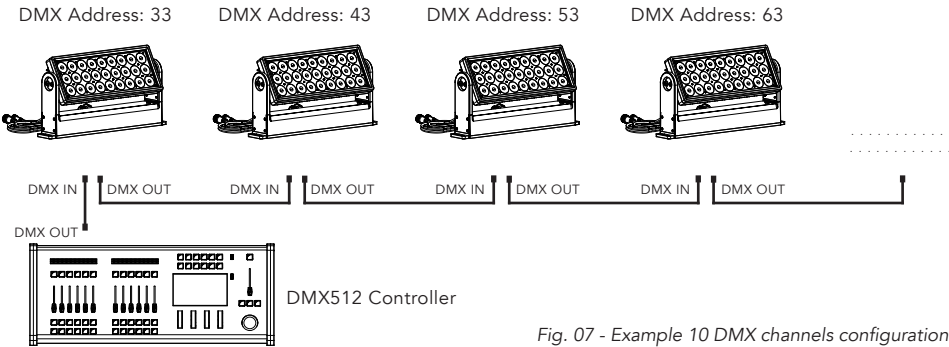


Fig. 07 - Example 10 DMX channels configuration

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 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.

Set the fixture's DMX address by RDM with the DATAMASTER.

7 - 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
Product Information	SUPPORTED_PARAMETERS	0x0050	x	
	PARAMETER_DESCRIPTION	0x0051	x	
	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	DIMMER_INFO	0x0340	x	
	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
Control	IDENTIFY_MODE	0x1040	x	x

Manufacturer Specific PIDs

Parameter	PID	GET	SET	Value	Description
DMX FAULT	0x82DD	x	x	0-3	0: Hold 1: Blackout 2: Stand Alone 3: Emergency
MASTER/SLAVE	0x8211	x	x	0-1	0: Master DMX 1: Slave
STAND ALONE MODE	0x82EC	x	x	0-2	0: Effects 1: Fixed Color 2: Manual Color
EFFECTS	0x8209	x	x	0-8	DEFAULT: 0
EFFECTS SPEED	0x8210	x	x	1-100	DEFAULT: 100
WHITE BALANCE	0x822F	x	x	0-1	0: OFF 1: Adjust
FIXED COLOR	0x82BE	x	x	0-14	0: R 1: G 2: B 3: W 4: RG 5: RB 6: RW 7: GB 8: GW 9: BW 10: RGB 11: RGW 12: RBW 13: GBW 14: RGBW
MANUAL RED	0x82C0	x	x	0-255	DEFAULT: 255
MANUAL GREEN	0x82C1	x	x	0-255	DEFAULT: 255
MANUAL BLUE	0x82C2	x	x	0-255	DEFAULT: 255
MANUAL WHITE	0x82C3	x	x	0-255	DEFAULT: 255
WHITE CALIBRATION - RED	0x8200	x	x	125-255	DEFAULT: 255
WHITE CALIBRATION - GREEN	0x8201	x	x	125-255	DEFAULT: 255
WHITE CALIBRATION - BLUE	0x8202	x	x	125-255	DEFAULT: 255
WHITE CALIBRATION - WHITE	0x8203	x	x	125-255	DEFAULT: 255
LED MODE	0x8217	x	x	0-1	0: High Brightness 1: High Quality
CURRENT HOURS	0x82C5	x		0-65535	
POWER CONSUMPTION(AC 220V)	0x82DE	x		0-65535	
LED DRV. VERSION	0x8372	x		-	
ERROR MESSAGES	0x82EA	x		0-3	0: No Error 1: LED PCB error, LED-CTR error 2: OVERTEMPERATURE (temp. more than 80°C) 3: TEMP. DETECTION ERR. (Temp. more than 125°C or less than -40°C)
CLEAR ALL DATA	0x82C8	x	x	0-1	0: No 1: Yes

8 - OPERATION VIA DATAMASTER

The unit uses a DATAMASTER for configuration purposes. The diagram below sows how to connect the DATAMASTER to this product. This connection will control multiple products at the same time.

To set different Stand Alone mode on different product, you must connect the DATAMASTER to each product, individually.

However, by using the DATAMASTER, you may address each product in the daisy chain to a different DMX address by using the RDM function without the need connect to each individual product.

Important: The DATAMASTER must be used to configure this product.

MUSIC & LIGHTS suggests that you connect no more than 11 units in this mode and keep the total distance to less than 60 m (197 ft). Otherwise, you might need to use an RDM optically isolated signal amplifier.

RDM SETTING

To set the RDM functions with the DATAMASTER follow these steps:

- Turn on the DATAMASTER;
- Select the "RDM" function;
- Wait the discovering of all units;
- Select the desired unit and press ENTER button;
- Change the value of the desired function.

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

N°	MENU	LEVEL 1	LEVEL 2	LEVEL 3	DESCRIPTION
1	DMX ADDRESS	001 - 512			Set address used for Fixture.
2	DMX MODE	5CH			Set DMX chart for Main Fixture.
		7CH			
		10CH			
3	LED MODE	HIGH BRIGHTNESS			Delivering the full output on every primary color.
		HIGH QUALITY			Calibrated white output at 6000K, when all primary colors are set to full.
4	DIMMER CURVE	LINEAR			Select Dimmer curve.
		S-CURVE			
		SQUARE LAW			
		INVERSE SQUARE LAW			
5	DIMMER SPEED	AUTO			Select Dimmer speed.
		FAST			
		MEDIUM			
		SLOW			
		OFF			
6	WHITE BALANCE	OFF			Adjust the white balance.
		ADJUST	RED		
			GREEN		
			BLUE		
			WHITE		

N°	MENU	LEVEL 1	LEVEL 2	LEVEL 3	DESCRIPTION
7	LED FREQUENCY	1000Hz			Select LED PWM frequency.
		2000Hz			
		4000Hz			
		6000Hz			
		25kHz			
8	DMX FAULT	HOLD			Define the behaviour of fixture in case of DMX signal lost.
		BLACKOUT			
		STAND ALONE			
		EMERGENCY			
8	INFORMATIONS	FIXTURE TIME			To see the total working hours of the unit.
		FW VERSION			View firmware version installed.
		RDM UID			View ID for the RDM control.
9	STAND ALONE	MASTER/SLAVE	MASTER		Allow you to link and operating in synk multiple units without a DMX console. Choose a unit to perform as the Master. This unit must be the first unit in line; Set the successive units to be slave.
			SLAVE		
		EFFECTS	EFFECT 1	SPEED: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.
			...		
			EFFECT 9		
		FIXED COLORS	R	DIMMER: 0-255	
			G		
			B		
			W		
			GB		
			RB		
			RG		
			RGB		
			RW		
			GW		
			BW		
			RGW		
			RBW		
			GBW		
			RGBW		
		MANUAL COLORS	RED	DIMMER:0-255	User generated color preset by assigning values to each primary color attribute. After enabled this mode, the unit will be automatically assigned as Master.
			GREEN	DIMMER:0-255	
			BLUE	DIMMER:0-255	
			WARM WHITE	DIMMER:0-255	

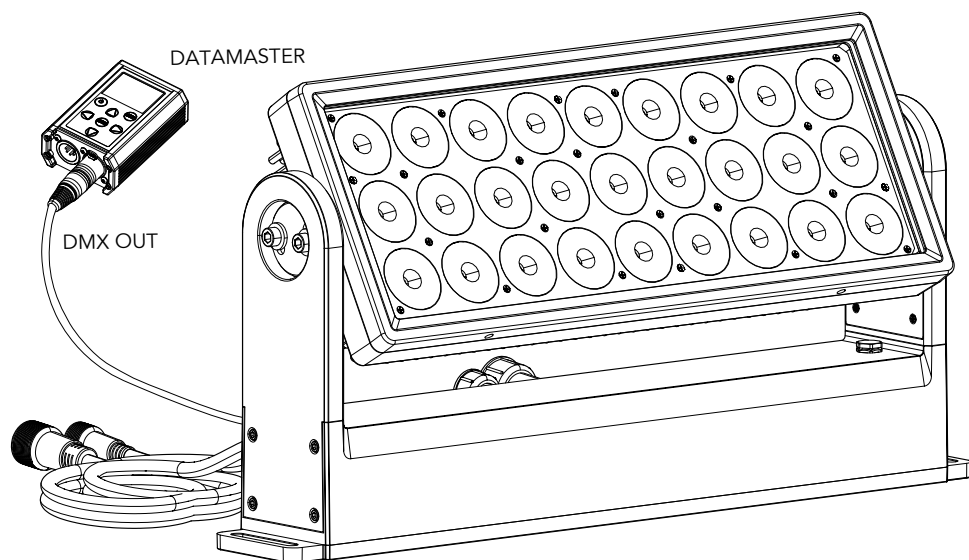


Fig. 08

To set the STAND ALONE you must follow the below steps with DATAMASTER:

- Connect only one projector to the DATAMASTER;
- Select the second function "STAND ALONE";
- Select "Manual Color" or "Effect" function;
- Select "Head 1";
- Select the desired color or effect with speed.

The projector where is set the STAND ALONE values is a "MASTER" projector.

If there isn't the DMX controller or the DMX missing this projector will send his STAND ALONE value on the DMX line.

On others units that will be connected to the same DMX line must NOT be setted the STAND ALONE, they will be "SLAVE" and they will follow the DMX of the MASTER.

9 - DMX CHARTS

RDM Model ID: 0xD170

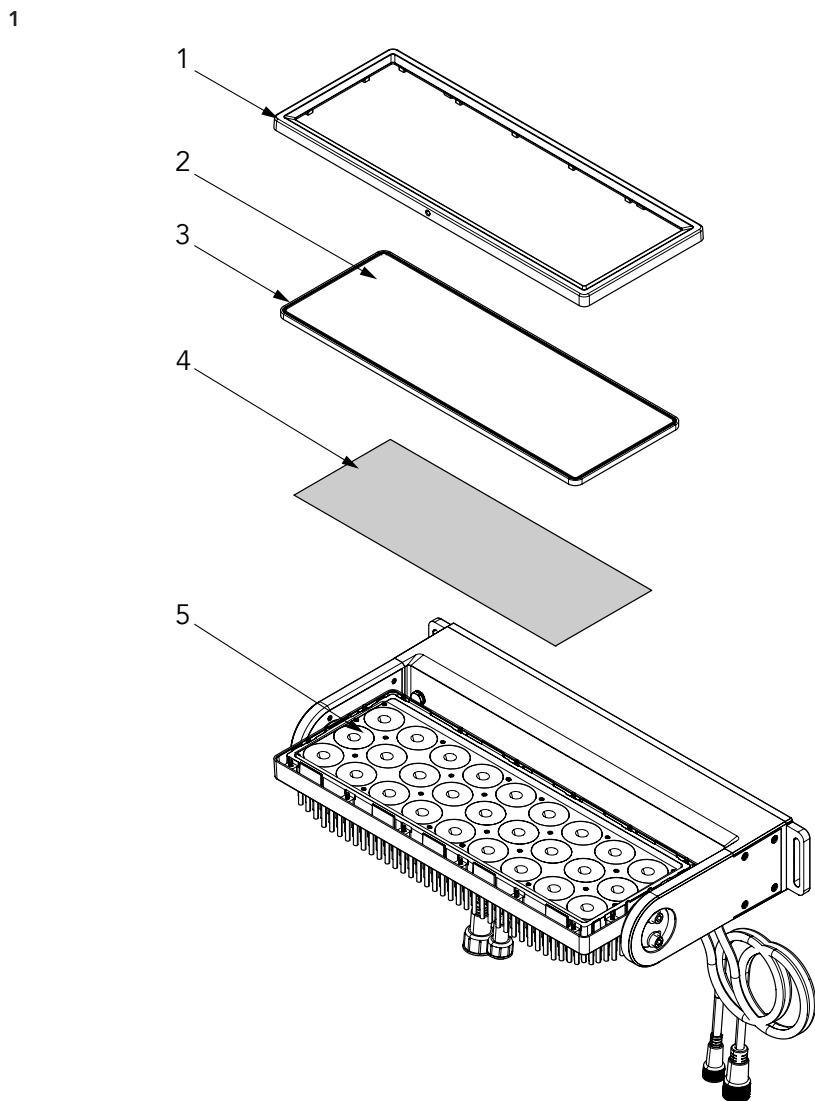
DMX Chart Summary

FUNCTION	5CH	7CH	10CH
Dimmer	-	1	1
Red	1	2	2
Green	2	3	3
Blue	3	4	4
White	4	5	5
Strobe	-	6	6
Color Macro	-	-	7
Effects	-	-	8
Effects speed	-	-	9
Dimmer Speed Mode	5	7	10

5CH	7CH	10CH	Function	Min DMX	Max DMX	Default
-	1	1	MASTER DIMMER Lineary from close to open	0	255	128
1	2	2	RED Lineary from 0% to 100%	0	255	128
2	3	3	GREEN Lineary from 0% to 100%	0	255	128
3	4	4	BLUE Lineary from 0% to 100%	0	255	128
4	5	5	WARM WHITE Lineary from 0% to 100%	0	255	000
-	6	6	STROBE No function	000	010	255
			Lineary from slow to fast	011	255	
-	-	7	COLOR MACRO No Function	000	010	000
			R 100%, G 0~100%, B 0%	011	030	
			R 100%~0%, G 100%, B 0%	031	050	
			R 0%, G 100%, B 0~100%	051	070	
			R 0% G 100%~0% B 100%	071	090	
			R 0%~100% G 0% B 100%	091	110	
			R 100% G 0% B 100%~0%	111	130	
			R 100% G 0%~100% B 0%~100%	131	150	
			R 100%~0% G 100%~0% B 100%	151	170	
			R 100% G 100% B 100% W100%	171	200	
			Color1(2800K)	201	205	
			Color2(3000K)	206	210	
			Color3(3200K)	211	215	
			Color4(4000K)	216	220	
			Color5(5600K)	221	225	
			Color6(6000K)	226	230	
			Color7(6500K)	231	235	
			Color8(7000K)	236	240	
			Color9(8000K)	241	245	
			Color10(9000K)	246	250	
			Color11(10000K)	251	255	
-	-	8	EFFECTS No Function	000	010	000
			Effect 1	011	037	
			Effect 2	038	064	
			Effect 3	065	091	
			Effect4	092	118	
			Effect5 (Effects 1- 4)	119	145	
			Effect 6	146	172	
			Effect 7	173	199	
			Effect 8	200	226	
			Effect 9 (Effects 6- 8)	227	255	
-	-	9	EFFECTS SPEED Lineary from slow to fast	0	255	128
5	7	10	COLOR MACRO Preset dimmer speed from display menu	000	051	000
			Dimmer speed AUTO	052	101	
			Dimmer speed FAST	102	152	
			Dimmer speed MEDIUM	153	203	
			Dimmer speed SLOW	204	255	

10 - ACCESSORIES INSTALLATION

LIGHT DIFFUSION FILTER (CODE A300FCLTFILT3/5/8)



WARNING: never touch the LEDs.

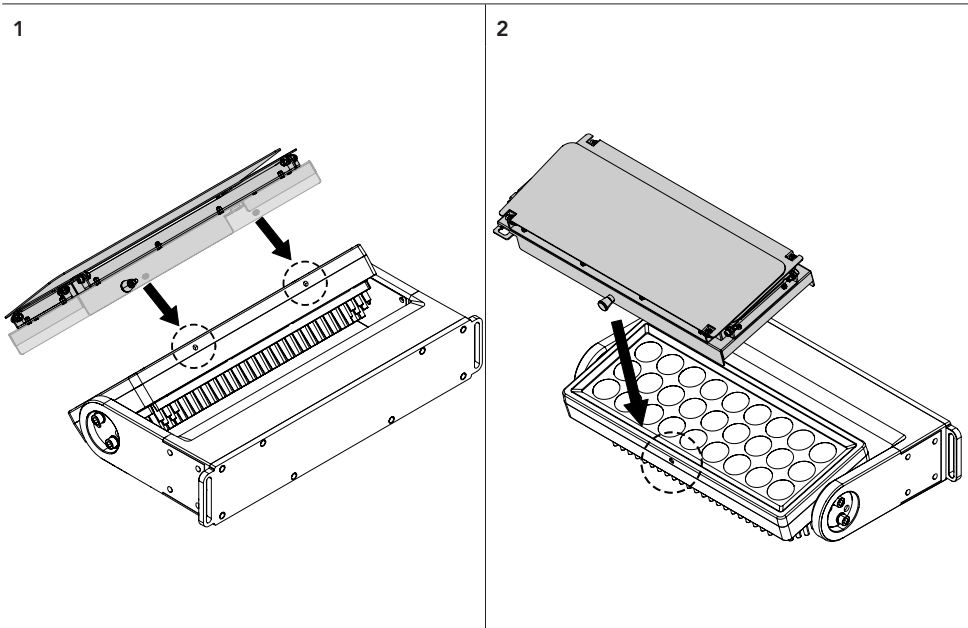
1. Remove the front cover (1) by loosening the screws. Then remove the front glass (2) and the rubber seal (3). Place the light diffusion filter (4) on the lenses (5).

NOTE: to remove the light diffusion filter, reverse the procedure.

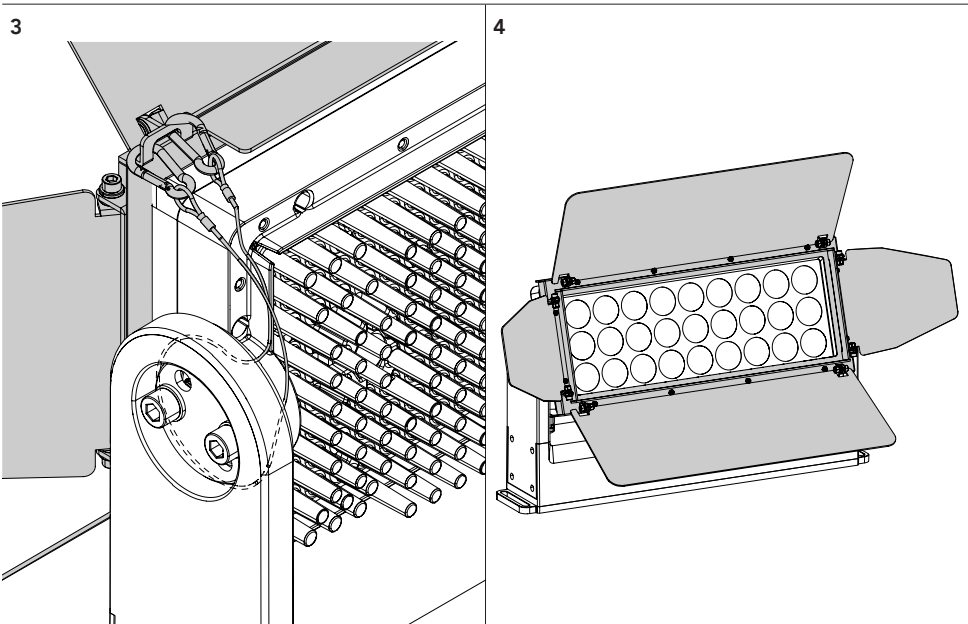
NOTE: it is recommended to tighten the front cover screws carefully so as to guarantee the correct IP degree.

Fig. 9

BARN DOOR (CODE S48QBD - OPTIONAL)



Insert the two marked pin on down edge of the barn door into the holes provided on the unit (1) and positioning the spring pin on the hardware into the hole provided on the top (2).



Hook the safety cable (3) and adjust the angle of the four leaves (4).

Fig. 10

11 - 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 using firmware and instructions from MUSIC & LIGHTS.
- 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. 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.
- All other service operations on the product must be carried out by MUSIC & LIGHTS, its approved service agents or trained and qualified personnel.
- Use only accessories approved by MUSIC & LIGHTS.

VISUAL CHECK OF PRODUCT HOUSING

- The parts of the product cover/housing and glass must be checked for eventual damages and breaking, 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 glass not sitting properly in place need to be immediately replaced.

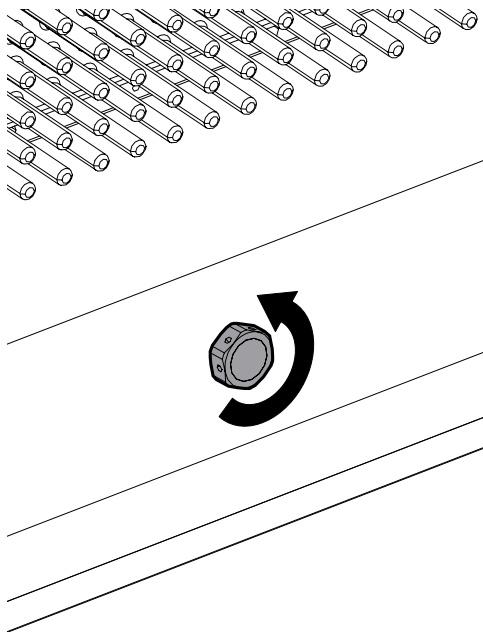
TROUBLESHOOTING

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 MUSIC & LIGHTS 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 MUSIC & LIGHTS and the service documentation.
Product reset correctly but 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 after fixture reset.	One or more hardware components requires mechanical adjustments.	Check product stored error messages for more information. Contact MUSIC & LIGHTS Service or an authorized service partner.
Mechanical effect loses position	Mechanical hardware require cleaning, adjustment or lubrication.	Check product stored error messages for more information. Contact MUSIC & LIGHTS 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. - MUSIC & LIGHTS 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.

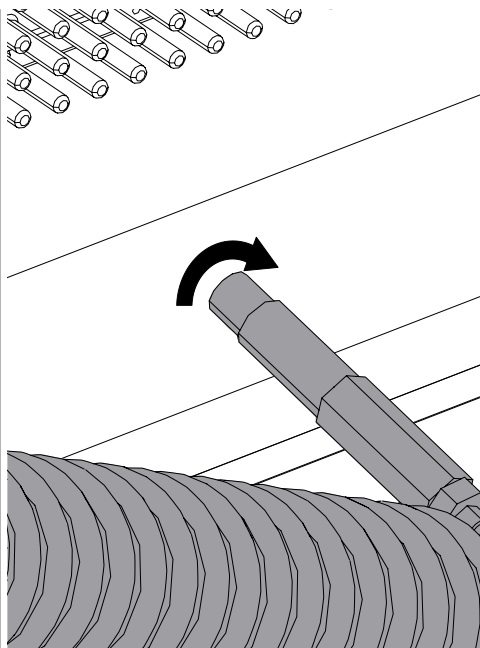
Contact an authorized service center in case of technical problems or not reported in the table can not be resolved by the procedure given in the table.

12 - TEST OF IP66 RATING

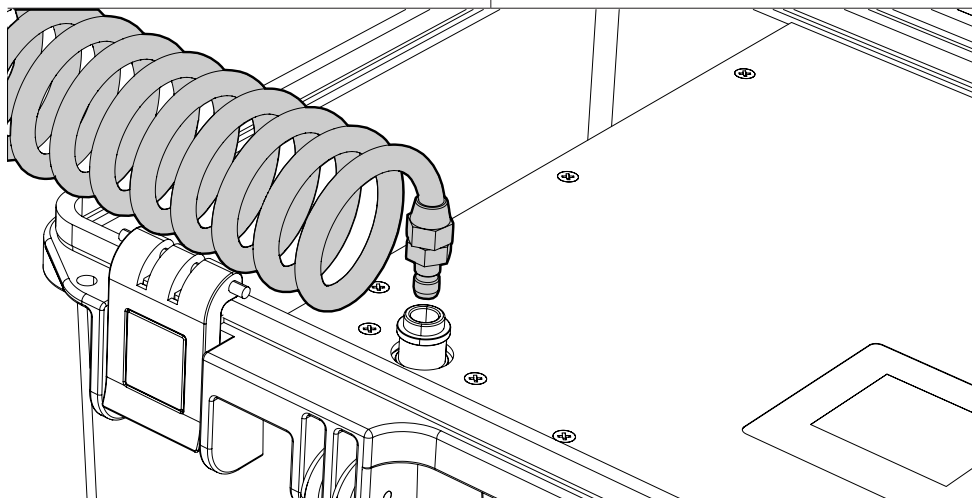
TO CHECK SEALING AFTER SERVICING USE THE IptestBOX.



1. Remove the gore valve from the bottom side.



2. Insert the threaded end into the threaded valve hole socket.



3. Connect the air hose to the IptestBOX by inserting the quick-connect fitting into the coupler.
Repeat the procedure with the second gore valve.

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.

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.

