

# ArcShine S9-18FC 9/18x2W IP66 RGB + Warm White architectural linear fixture, 50/100 cm

## **ArcShine** S9-18VW

9/18x2W IP66 Variable White architectural linear bar, 50/100 cm





**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.



ARCSHINES9FC



**ARCSHINES9VW** 

Visit the download area of the product page



ARCSHINES18FC



ARCSHINES18VW



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## SAFETY INFORMATION



#### WARNING!

- See <a href="https://www.prolights.it/product/ARCSHINES18FC#download">https://www.prolights.it/product/ARCSHINES18FC#download</a> 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
- 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 loadbearing 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.

## Ta45°C

## Max operating ambient temperature (Ta)

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

## Ta-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.

## 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<sub>C</sub>60°C

## Temperature of the external surface

 The surface of the fixture can reach up to 60 °C (140 °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 0 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);
- 2014/53/EU Radio Equipment Directive (RED).



## 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

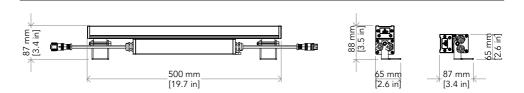
#### PACKAGE CONTENT

- 1x ARCSHINES9FC / ARCSHINES18FC / ARCSHINES9VW / ARCSHINES18VW
- 1x BARE END IP connection adapter
- 1x 5p XLR IP connection male adapter
- 1x 5p XLR IP connection female adapter
- User Manual

#### **OPTIONAL ACCESSORIES**

- AWEXAC2L03: extension IP67 power cable, IPpowercon-F -> IPpowercon-M, 3m.
- AWEXAC2L05: extension IP67 power cable, IPpowercon-F -> IPpowercon-M, 5m.
- AWEXAC2L10: extension IP67 power cable, IPpowercon-F -> IPpowercon-M, 10m.
- AWEXAC2L20: extension IP67 power cable, IPpowercon-F -> IPpowercon-M, 20m.
- AWEXDC2L03: extension IP67 signal cable, IPdataCON-F -> IPdataCON-M, 3m.
- AWEXDC2L05: extension IP67 signal cable, IPdataCON-F -> IPdataCON-M, 5m.
- AWEXDC2L10: extension IP67 signal cable, IPdataCON-F -> IPdataCON-M, 10m.
   AWEXDC2L20: extension IP67 signal cable, IPdataCON-F -> IPdataCON-M, 20m.
- ARCS9FIXBD: barndoor to adjust the light beam for ARCSHINES9 and ARCSHINEM9.
- ARCS18FIXBD: barndoor to adjust the light beam for ARCSHINES18 and ARCSHINEM18.
- ARCSS9FILTER20: light diffusion filter for ARCSHINES9, 20°.
- ARCSS9FILTER40: light diffusion filter for ARCSHINES9, 40°.
- ARCSS9FILTER60: light diffusion filter for ARCSHINES9, 60°.
- ARCSS9FILTER1060: light diffusion filter for ARCSHINES9, 10°x60°.
- ARCSS9FILTER3060: light diffusion filter for ARCSHINES9, 30°x60°.
- ARCSS18FILTER20: light diffusion filter for ARCSHINES18, 20°.
- ARCSS18FILTER40: light diffusion filter for ARCSHINES18, 40°.
- ARCSS18FILTER60: light diffusion filter for ARCSHINES18, 60°.
- ARCSS18FILTER1060: light diffusion filter for ARCSHINES18, 10°x60°.
- ARCSS18FILTER3060: light diffusion filter for ARCSHINES18, 30°x60°.
- ARCSSM9OUTERCASE: outercase box for ground installation for ARCSHINES9 and ARCSHINEM9 series.
- ARCSSM18OUTERCASE: outercase box for ground installation for ARCSHINES18 and ARCSHINEM18 series.
- UPBOX1UP5: firmware uploader kit, USB IN, 5pin XLR DMX OUT, USB OUT.

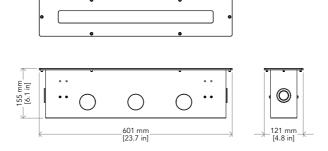
## 2 - TECHNICAL DRAWING



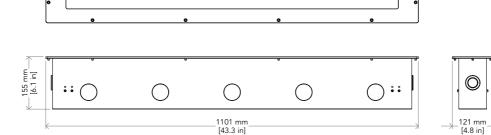
ARCSHINES9 weight: 1.95 kg - 4.29 lbs



ARCSHINES18 weight: 3.5 kg - 7.71 lbs



ARCSSM9OUTERCASE weight: 5 kg - 11,02 lbs



ARCSSM18OUTERCASE weight: 10 kg - 22,04 lbs

Fig. 01

## 3 - INSTALLATION

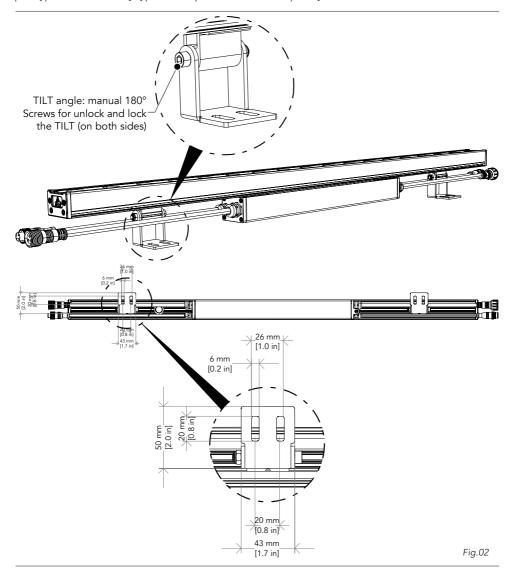
## MOUNTING

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.



## 4 - PRODUCT OVERVIEW

- 1. POWER IN: for connection to the Mains 100-240V~/50-60Hz.
- 2. DMX IN (5-p XLR): 1 = GND, 2 = sign-, 3 = sign+, 4 N/C, 5 N/C.
- 3. DMX OUT (5-p XLR): 1 = GND, 2 = sign-, 3 = sign+, 4 N/C, 5 N/C.
- 4. POWER OUT: power output for connection of multiple units in series.
- 5. BRACKET for fastening.
- 6. GORE VALVE;
- 7. SAFETY EYE to attach safety cable.

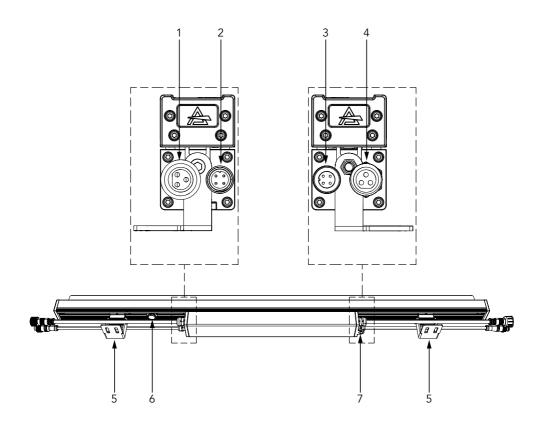


Fig. 03

## 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 17,5 W for ARCSHINES9 while it is 40 W ARCSHINES18.

You can link up to 30 at 230 V ARCSHINES9, 15 for ARCSHINES18. Never exceed this number. Power linking cords can be purchased separately.

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

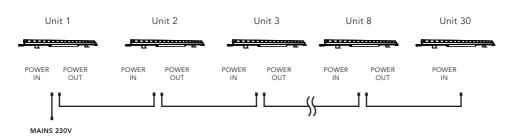
## MALE POWER IP67 CONNECTOR



## FEMALE POWER IP67 CONNECTOR



Fig. 04



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)

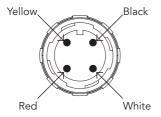
## 6 - DMX CONNECTION

## CONNECTION OF THE CONTROL SIGNAL: DMX LINE

The product has connectors for DMX input and output.

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

## **DMX - INPUT IP67 CONNECTOR**



## DMX - OUTPUT **IP67 CONNECTOR**

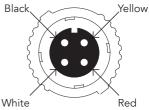


Fig. 06

## 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).

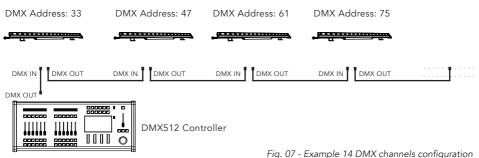
Run the data link from the product DMX output (female connector) connector to the DMX input of the next fixture.

Terminate the data link by connecting a 120 Ohm signal termination.

The termination is prepared by  $120\Omega$  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.

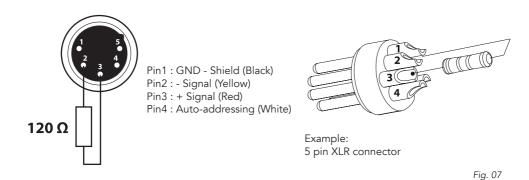
NOTE: when not using the DMX input or DMX output connectors, you must seal the cable ends with the supplied caps.

The following diagram shows the DMX connection:



#### CONSTRUCTION OF THE DMX TERMINATION

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



## 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.

## 7 - 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.

#### STAND ALONE FUNCTION

• To set Standalone Mode please refer to the Menu Structure.

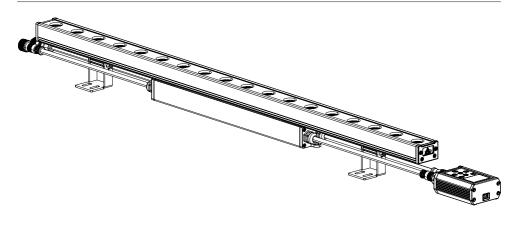


Fig. 08

## 8 - MENU STRUCTURE

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

MENU*		
DMX_START_ADDRESS	<b>001</b> - 512	
DMX_PERSONALITY	FC Variant Mode	VW Variant Mode
	1CH	1CH
	2CH	2CH
	5CH	3CH
	9CH	4CH
	12CH	9CH
	available o	only on S18 variant
	14CH	9CH2
CURVE	0:LINEAR	To choose the dimmer curve.
	1:S-CURVE	
	2:SQUARE LAW	
	3:INVERSE SQUARE LAW	
OUTPUT_RESPONSE_TIME	0:AUTO	To choose the dimmer speed.
	1:FAST	
	2:MEDUIM	
	3:SLOW	
MODULATION_FREQUENCY	0:600Hz	Select PWM frequency.
	1:1200Hz	
	2:2000Hz	
	3:4000Hz	
	4:6000Hz	
	5:25kHZ	
	DMX_START_ADDRESS  DMX_PERSONALITY  CURVE  OUTPUT_RESPONSE_TIME	DMX_START_ADDRESS   DMX_PERSONALITY   FC Variant Mode   1CH   2CH   5CH   9CH   12CH   14CH   14CH   14CH   14CH   14CH   16CH   16CH

	SPECIAL PIDs**		
1	DMX FAULT	0:BLACKOUT	To choose the behaviour of fixture in case of dmx signal lost.
		1:HOLD	
		2:STAND ALONE	
2	MASTER/SLAVE	0:MST DMX	Outputs dmx signal.
		1:MST NO DMX	Doesn't output dmx signal.
		2:SLAVE	Receive dmx signal.
3	STAND ALONE MODE	0:EFFECTS	To use onboard effects
		1:STATIC	To use static color presets.

	1		
		2:CCT	To use white presets:
		3:MACRO	To use color gels. Please refer to DMX chart for Gel numbers, listed on DMX value column.
		4:RGBW	To use RAW color mixing. Red, Green, Blue and White channel are available as single custom pid as listed below.
4	UNO/DUO MODE FC VERSION ONLY	0:STATIC	To use static color presets.
		1:CCT	To use white presets:
		2:MACRO	To use color gels. Please refer to DMX chart for Gel numbers, listed on DMX value column.
		3:RGBW	To use RAW color mixing. Red, Green, Blue and White channel are available as single custom pid as listed below.
5	EFFECTS	(0 - <b>10</b> )	Choose between different effects.
6	EFFECTS SPEED	(0 - <b>255</b> )	Choose speed of the effects
7	STATIC COLORS	(0 - 14)	To choose between static color presets. 0: R 1: G 2: B 3: W 4: GB 5: RB 6: RG 7: RGB 8: RW 9: GW 10: BW 11: RGW 12: RBW 13: GBW 14: RGBW
8	WHITE PRESETS	( <b>0</b> - 20)	To choose between cct white preset. 0: 2800K 1: 3000K 2: 3200K 3: 3400K 4: 3600K 5: 3800K 6: 4000K 7: 4200K 8: 4400K 9: 4600K 10: 4800K 11: 5000K 12: 5200K 13: 5400K 14: 5600K 15: 6000K 16: 6500K 17: 7000K 18: 8000K 19: 9000K 20: 10000K
9	COLOR MACROS	( <b>0</b> - 255)	To choose between color gels. Please refer to DMX chart for Gel numbers, listed on DMX value column.
10	MANUAL RED	(000 ÷ 255)	Raw red channel (used in RGBW stand alone mode).
11	MANUAL GREEN	(000 ÷ 255)	Raw green channel (used in RGBW stand alone mode).
12	MANUAL BLUE	(000 ÷ 255)	Raw blue channel (used in RGBW stand alone mode).
13	MANUAL WHITE	(000 ÷ 255)	Raw white channel (used in RGBW stand alone mode).
_		·	1

14	FULL ON	0:HB MODE	High Brightness Mode, delivering the full output on every primary color	
		1:STUDIO MODE	Fixture will reach 6000K white point.	
15	STUDIO-RED	(000 ÷ 255)	Max value of red color intensity when all color are at maximum value.	
16	STUDIO-GREEN	(000 ÷ 255)	Max value of green color intensity when all color are at maximum value.	
17	STUDIO-BLUE	(000 ÷ 255)	Max value of blue color intensity when all color are at maximum value.	
18	STUDIO-WHITE	(000 ÷ 255)	Max value of white color intensity when all color are at maximum value.	
19	WHITE CALIBRATION-RED	(125 ÷ 255)	Max value of red color intensity.	
20	WHITE CALIBRATION GREEN	(125 ÷ 255)	Max value of green color intensity.	
21	WHITE CALIBRATION-BLUE	(125 ÷ 255)	Max value of blue color intensity.	
22	WHITE CALIBRATION-WHITE	(125 ÷ 255)	Max value of white color intensity.	
23	INVERT MAPPING x18 version only	0: OFF - 1:ON	Rotate Section direction	
24	CURRENT HOURS	(00000-65535)	Shows fixture hours.	
25	POWER CONSUMPTION(AC 220V)		Shows fixture's power consumption.	
26	MAINTENANCE TIME	(ALERT PERIOD:10 ÷ <b>300</b> )	To set maintenance time alert period	
27	MAINTENANCE TIME	(ELAPSED TIME:00-ALERT PERIOD)	Shows elapsed tiime to alert period.	
28	ERROR MESSAGES		Shows error codes.	
29	CLEAN ALL DATA	0:NO 1:YES	Complete reset of the fixture.	

	SPECIAL PIDs** for VW version		
1	DMX FAULT	0:BLACKOUT	To choose the behaviour of fixture in case of dmx signal lost.
		1:HOLD	
		2:STAND ALONE	
2	MASTER/SLAVE	0:MST DMX	Outputs dmx signal.
		1:MST NO DMX	Doesn't output dmx signal.
		2:SLAVE	Receive dmx signal.
3	STAND ALONE MODE	0:EFFECTS	To use onboard effects
		1:STATIC	To use static color presets.
		2:CCT	To use white presets:
		3:MAN	To use RAW color mixing. CW and WW are available as single custom pid as listed below.
4	UNO/DUO MODE	0:STATIC	To use static color presets.
		1:CCT	To use white presets:
		2:MAN	To use RAW color mixing. CW and WW are available as single custom pid as listed below.
5	EFFECTS	(0 - 5)	Choose between different effects.
6	EFFECTS SPEED	(0 - <b>255</b> )	Choose speed of the effects
7	FIXED COLOR	(0 - 2)	To choose between static color presets. 0: CW 1: WW 2: CW + WW

8	WHITE PRESETS	(1 - 7)	To choose between cct white preset. 1: 2800K 2: 3000K 3: 3200K 4: 4000K 5: 5600K 6: 6000K 7: 6500K
9	STATIC CW	(000 ÷ 255)	Raw CW channel (used in MAN stand alone mode).
10	STATIC WW	(000 ÷ 255)	Raw WW channel (used in MAN stand alone mode).
11	WHITE CALIBRATION-BLUE	(125 ÷ 255)	Max value of blue color intensity.
12	WHITE CALIBRATION-WHITE	(125 ÷ 255)	Max value of white color intensity.
13	INVERT MAPPING x18 version only	0: OFF - 1:ON	Rotate Section direction
14	CURRENT HOURS	(00000-65535)	Shows fixture hours.
15	POWER CONSUMPTION(AC 220V)		Shows fixture's power consumption.
16	MAINTENANCE TIME	(ALERT PERIOD:10 ÷ <b>300</b> )	To set maintenance time alert period
17	MAINTENANCE TIME	(ELAPSED TIME:00-ALERT PERIOD)	Shows elapsed tiime to alert period.
18	ERROR MESSAGES		Shows error codes.
19	CLEAN ALL DATA	0:NO	Complete reset of the fixture.
		1:YES	

## 9 - 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.

## Standard RDM PIDs

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

Manufacturer PIDs ARCSHINE S9VW - ARCSHINE S18VW				
Parameter	r	PID	GET	SET
DMX FAULT (0-2) 0:HOLD; 1:BLACKOL	JT; 2:STAND_ALONE;	0x82DD	х	х
MASTER-SLAVE (0-2) - 0:MASTER_DMX; 1:	MASTER_NO_DMX; 2:SLAVE	0x8211	х	х
STAND_ALONE (0-3) - 0:FX; 1:FIX; 2:CCT;	3:MAN	0x82EC	х	х
STATIC_CW (0-255)		0x82FE	Х	х
STATIC_WW (0-255)		0x82FF	Х	х
WHITE_PRESETS (1-7)		0x82BF	Х	х
WHITE_CALIBRATION (0-1) - 0:OFF; 1:M	WHITE_CALIBRATION (0-1) - 0:OFF; 1:MANUAL		Х	х
WHITE_BALANCE_WW (125-255)		0x82C6	Х	х
WHITE_BALANCE_CW (125-255)		0x82C7	Х	х
CLEAN_ALL_DATA (0-1) - 0:NO; 1:YES		0x82C8	Х	х
CURRENT_HOURS		0x82C5	Х	
MAINTENANCE_TIME:ALERT_PERIOD (0	)-300)	0x82DF	Х	х
MAINTENANCE_TIME:ELAPSED_TIME		0x82E0	Х	
POWER CONSUMPTION		0x82EF	Х	
EFFECT (1-5)		0x8209	Х	х
EFFECT_SPEED (1-100)		0x8210	х	х
UNO_MODE (0-2) 0:FIX; 1:CCT; 2:MAN		0x830A	х	х
INVERT_MAPPING (0-1) - 0:OFF; 1:ON	Only for ARCSHINE S18VW	0x82E1	х	х

Manufacturer PIDs ARCSHINE S9FC - ARCSHINE S18FC				
Paramete	r	PID	GET	SET
DMX FAULT (0-2) 0:HOLD; 1:BLACKOL	JT; 2:STAND_ALONE;	0x82DD	Х	Х
MASTER-SLAVE (0-2) - 0:MASTER_DMX; 1:	:MASTER_NO_DMX; 2:SLAVE	0x8211	х	х
STAND_ALONE (0-4) - 0:FX; 1:FIX; 2:CCT;		0x82EC	х	х
FIXED_COLOR (0-14) - 0:R; 1:G; 2:B; 3:W; 9:BW; 10:RGB; 11:RGW; 12:RBW; 13:GBW		0x82BE	х	х
WHITE_PRESETS (0-20)		0x82BF	Х	Х
STATIC_RED (0-255)		0x82C0	Х	Х
STATIC_GREEN (0-255)		0x82C1	Х	Х
STATIC_BLUE (0-255)		0x82C2	Х	Х
STATIC_WHITE (0-255)		0x82C3	Х	Х
STUDIO_RED (0-255)		0x82C9	Х	Х
STUDIO_GREEN (0-255)		0x82CA	Х	х
STUDIO_BLUE (0-255)		0x82CB	Х	х
STUDIO_WHITE (0-255)		0x82CC	Х	х
WHITE_CALIBRATION (0-2) - 0:OFF; 1:STUDIO; 2:MANUAL		0x822F	Х	х
WHITE_BALANCE_RED (125-255)		0x8200	Х	х
WHITE_BALANCE_GREEN (125-255)		0x8201	Х	х
WHITE_BALANCE_BLUE (125-255)		0x8202	Х	х
WHITE_BALANCE_WHITE (125-255)		0x8203	Х	х
CLEAN_ALL_DATA (0-1) - 0:NO; 1:YES		0x82C8	Х	х
CURRENT_HOURS		0x82C5	Х	
MAINTENANCE_TIME:ALERT_PERIOD (	0-300)	0x82DF	х	х
MAINTENANCE_TIME:ELAPSED_TIME		0x82E0	Х	
POWER_CONSUMPTION		0x82EF	Х	
COLOR_MACROS (0-255)		0x82ED	Х	Х
EFFECT (0-10)		0x8209	Х	х
EFFECT_SPEED (0-255)		0x8210	х	Х
UNO/DUO (0-3) 0:FIX; 1:CCT; 2:MAC; 3:	MAN	0x830A	х	Х
INVERT_MAPPING (0-1) - 0:OFF; 1:ON Only for ARCSHINE S18FC		0x82E1	Х	Х

## 10 - DMX CHARTS

## **RDM Personality ID List**

ID	FC Variant Mode	VW Variant Mode
1	1CH	1CH
2	2CH	2CH
3	5CH	3CH
4	9CH	4CH
5	12CH	9CH
available only on S18 variant		
6	14CH	9CH2

## **RDM Model ID**

Product Variant	ID
ARSCHINES18FC	0xD089
ARSCHINES18VW	0xD088
ARCSHINES9FC	0xD083
ARSCHINES9VW	0xD082

## FC Variant - DMX Chart Summary

Channel	1CH	2CH	5CH	9CH	12CH	Only S18FC
Channel	TCH	ZCH	эсн	УСН	12011	14CH
1	Dimmer	Dimmer	Red	Dimmer	Dimmer	Dimmer
2		Dimmer Fine	Green	Dimmer Fine	Dimmer Fine	Dimmer Fine
3			Blue	Red	Red	Strobe 1
4			White	Green	Green	Strobe 2
5			Dimmer Fade	Blue	Blue	Red 1
6				White	White	Green 1
7				Strobe	Strobe	Blue 1
8				Dimmer Fade	Color Macro	White 1
9				Control	Effects	Red 2
10					Effects Speed	Green 2
11					Control	Blue 2
12					Dimmer Fade	White 2
13						Control
14						Dimmer Fade

1CH	2CH	5CH	9СН	12CH	Function	DMX Value	Default
1	1		1	1	DIMMER Linear from 0% to 100%	000 ÷ 255	000
	2		2	2	DIMMER FINE	000 ÷ 255	000
		1	3	3	RED Linear from 0% to 100%	000 ÷ 255	255
		2	4	4	GREEN Linear from 0% to 100%	000 ÷ 255	255
		3	5	5	BLUE		
		4	6	6	Linear from 0% to 100%  WHITE	000 ÷ 255	255
		7	7	7	Linear from 0% to 100%  STROBE Open Strobe from slow to fast Open Pulse in from slow to fast Open Pulse out from slow to fast Open Random from slow to fast Open	000 ÷ 255 000 ÷ 001 002 ÷ 062 063 ÷ 064 065 ÷ 125 126 ÷ 127 128 ÷ 188 189 ÷ 190 191 ÷ 251 252 ÷ 255	255 255
				8	COLOR MACRO Open Red Green Red Green Blue Cyan Magenta Yellow Dirty White Alice Bllue Congo Blue Dark Steel Blue Deep Lavender Lilac Ting Daylight Blue Flame Red Bastard Amber Deep Orange Pale Gold Apricot Bright Blue Primary Green Special Lavender Pale Lavender Deep Golden Amber Medium Blue Bright Pink Mauve Dark Green Lee Green Dark Blue Light Blue Steel Blue Medium Blue+Green Peacock Blue Magenta Dark Pink Middle Rose Light Rose Crange Deep Amber Straw Light Amber Spring Yellow Dark Yellow Green Just Blue Stypling Light Amber Spring Yellow Dark Yellow Green Just Blue Stypling Light Amber Spring Yellow Dark Yellow Green Just Blue Sky Blue Lavender	000 ÷ 001 002 ÷ 003 004 ÷ 005 006 ÷ 007 008 ÷ 009 010 ÷ 011 012 ÷ 013 014 ÷ 015 016 ÷ 017 018 ÷ 019 020 ÷ 021 022 ÷ 023 024 ÷ 025 026 ÷ 027 028 ÷ 029 030 ÷ 031 032 ÷ 033 034 ÷ 035 036 ÷ 037 038 ÷ 039 040 ÷ 041 042 ÷ 043 044 ÷ 045 046 ÷ 047 048 ÷ 049 050 ÷ 051 052 ÷ 053 054 + 055 056 ÷ 057 058 * 059 060 ÷ 061 062 ÷ 063 064 ÷ 065 066 ÷ 067 068 ÷ 067 070 ÷ 071 072 ÷ 073 074 ÷ 075 076 ÷ 077 078 ÷ 079 080 ÷ 081 082 ÷ 083 084 ÷ 085 086 ÷ 087 088 ÷ 089 090 ÷ 091 092 ÷ 093 094 ÷ 095 096 ÷ 097	000

1CH	2CH	5CH	9СН	12CH	Function	DMX Value	Default
					COLOR MACRO Light Lavender Pink Carnation Medium Pink Light Pink Sunset Red Dark Amber Gold Amber Medium Amber Fire Surprise Peach Straw Tint Medium Yellow Lee Minus Green Pale Gold Orange Deep Straw Rose Purple Deep Purple Soft Green Reserved 2800K 3000K 3200K 3400K 3400K 3400K 4400K 4400K 4400K 4400K 4400K 4400K 4500K 5500K 5000K	098 ÷ 099 100 ÷ 101 102 ÷ 103 104 ÷ 105 106 ÷ 107 108 ÷ 109 110 ÷ 111 112 ÷ 113 114 ÷ 115 116 ÷ 117 118 ÷ 119 120 ÷ 121 122 ÷ 123 124 ÷ 125 126 ÷ 127 128 ÷ 129 130 ÷ 131 132 ÷ 133 134 ÷ 135 136 ÷ 211 212 ÷ 213 224 ÷ 225 224 ÷ 225 224 ÷ 225 224 ÷ 225 224 ÷ 225 226 ÷ 227 228 ÷ 229 230 ÷ 231 232 ÷ 233 234 ÷ 235 236 ÷ 237 238 ÷ 237 238 ÷ 239 240 ÷ 241 242 ÷ 243 244 ÷ 245 246 ÷ 247 248 ÷ 249 250 ÷ 251 255 ÷ 253	000
			9	11	Full On  CONTROL (FC versions) No Function / Safe DIMMER CURVE LINEAR DIMMER CURVE S-CURVE DIMMER CURVE SOUARE LAW DIMMER CURVE INVERSE SQUARE LAW DIMMER SPEED AUTO DIMMER SPEED AUTO DIMMER SPEED MEDIUM DIMMER SPEED MEDIUM DIMMER SPEED MEDIUM DIMMER SPEED MEDIUM LED FREQUENCY 4000HZ LED FREQUENCY 1200HZ LED FREQUENCY 2000HZ LED FREQUENCY 2000HZ LED FREQUENCY 4000HZ LED FREQUENCY 4000HZ LED FREQUENCY 25KHZ DMX FAULT HOLD DMX FAULT STAND ALONE STAND ALONE MASTER DMX STAND ALONE MASTER NO DMX STAND ALONE SLAVE STAND ALONE SLAVE STAND ALONE SLAVE STAND ALONE SLAVE STAND ALONE WHITE PRESETS STAND ALONE WHITE PRESETS STAND ALONE WHITE PRESETS STAND ALONE WHITE PRESETS STAND ALONE MANUAL COLORS INVERT MAPPING OFF INVERT MAPPING ON RESERVED	254 ÷ 255 000 ÷ 001 002 ÷ 003 004 ÷ 005 006 ÷ 007 008 ÷ 009 010 ÷ 011 012 ÷ 013 014 ÷ 015 016 ÷ 017 018 ÷ 019 020 ÷ 021 022 ÷ 023 024 ÷ 025 026 ÷ 027 028 ÷ 029 030 ÷ 031 032 ÷ 033 034 ÷ 035 036 ÷ 037 038 ÷ 039 040 ÷ 041 042 ÷ 043 044 ÷ 045 046 ÷ 047 048 ÷ 049 050 ÷ 051 052 ÷ 053 054 ÷ 253 054 ÷ 253 254 ÷ 255	000

1CH	2CH	5CH	9СН	12CH	Function	DMX Value	Default
		5	8	12	DIMMER FADE Read by menu Dimmer speed Auto Dimmer speed Fast Dimmer speed Medium Dimmer speed Slow	000 ÷ 051 052 ÷ 101 102 ÷ 152 153 ÷ 203 204 ÷ 255	000
				9	EFFECTS No function Effect 1 Effect 2 Effect 3 Effect 4 Effect 5 (Effects 1-4)	000 ÷ 010 011 ÷ 060 061 ÷ 110 111 ÷ 160 161 ÷ 210 211 ÷ 255	000
				10	EFFECTS SPEED Linear from slow to fast	000 ÷ 255	128

## 14CH 2 Section control Available only on S18FC model



14CH	Function	DMX Value	Default
1	DIMMER Linear from 0% to 100%	000 ÷ 255	000
2	DIMMER FINE	000 ÷ 255	000
3	STROBE 1 Open Strobe from slow to fast Open Pulse in from slow to fast Open Pulse out from slow to fast Open Random from slow to fast Open	000 ÷ 001 002 ÷ 062 063 ÷ 064 065 ÷ 125 126 ÷ 127 128 ÷ 188 189 ÷ 190 191 ÷ 251 252 ÷ 255	255
4	STROBE 2 Refer to STROBE 1 channel for ranges		
5	RED 1 Linear from 0% to 100%	000 ÷ 255	255
6	GREEN 1 Linear from 0% to 100%	000 ÷ 255	255
7	BLUE 1 Linear from 0% to 100%	000 ÷ 255	255
8	WHITE 1 Linear from 0% to 100%	000 ÷ 255	255
9	RED 2 Linear from 0% to 100%	000 ÷ 255	255
10	GREEN 2 Linear from 0% to 100%	000 ÷ 255	255
11	BLUE 2 Linear from 0% to 100%	000 ÷ 255	255
12	WHITE 2 Linear from 0% to 100%	000 ÷ 255	255
13	CONTROL Refer to CONTROL channel of mode 9CH / 12CH for ranges		
14	DIMMER FADE Read by menu Dimmer speed Auto Dimmer speed Fast Dimmer speed Medium Dimmer speed Slow	000 ÷ 051 052 ÷ 101 102 ÷ 152 153 ÷ 203 204 ÷ 255	000

## VW Variant - DMX Chart Summary

Channel	1CH	2CH	3СН	4CH	9CH	Only S18VW
Channel	ТСП	ZCH	зсп	4СП	УСП	9CH2
1	Dimmer	Dimmer	Warm White	Dimmer	Dimmer	Dimmer
2		ССТ	Cold White	Dimmer Fine	Dimmer Fine	Strobe 1
3			Dimmer Fade	ССТ	Strobe	Strobe 2
4				Dimmer Fade	ССТ	Warm White 1
5					Crossfade from CCT to WW/CW	Cold White 1
6					Warm White	Warm White 2
7					Cold White	Cold White 2
8					Dimmer Fade	Dimmer Fade
9					Control	Control

1CH	2CH	зсн	4CH	9СН	Function	DMX Value	Default
1	1		1	1	DIMMER Linear from 0% to 100%	000 ÷ 255	000
			2	2	DIMMER FINE	000 ÷ 255	000
				3	STROBE Open Strobe from slow to fast Open Pulse in from slow to fast Open Pulse out from slow to fast Open Random from slow to fast Open Open	000 ÷ 001 002 ÷ 062 063 ÷ 064 065 ÷ 125 126 ÷ 127 128 ÷ 188 189 ÷ 190 191 ÷ 251 252 ÷ 255	255
	2		3	4	CCT Linear from 2800K to 6500K	000 ÷ 255	000
				5	CROSSFADE from CCT to WW/CW Linear from 0% to 100%	000 ÷ 255	000
		1		6	WARM WHITE Linear from 0% to 100%	000 ÷ 255	255
		2		7	COLD WHITE Linear from 0% to 100%	000 ÷ 255	255
		3	4	8	DIMMER FADE Read by menu Dimmer speed Auto Dimmer speed Fast Dimmer speed Medium Dimmer speed Slow	000 ÷ 051 052 ÷ 101 102 ÷ 152 153 ÷ 203 204 ÷ 255	000

1CH	2CH	зсн	4CH	9СН	Function	DMX Value	Default
				9	CONTROL  No Function / Safe  DIMMER CURVE LINEAR  DIMMER CURVE S-CURVE  DIMMER CURVE SQUARE LAW  DIMMER CURVE INVERSE SQUARE LAW  DIMMER SPEED AUTO  DIMMER SPEED FAST  DIMMER SPEED MEDIUM  DIMMER SPEED MEDIUM  DIMMER SPEED MEDIUM  LED FREQUENCY 600HZ  LED FREQUENCY 1200HZ  LED FREQUENCY 4000HZ  LED FREQUENCY 600HZ  LED FREQUENCY 600HZ  LED FREQUENCY 25KHZ  DMX FAULT BLACKOUT  DMX FAULT STAND ALONE  STAND ALONE MASTER DMX  STAND ALONE MASTER NO DMX  STAND ALONE MASTER NO DMX  STAND ALONE FIFECTS  STAND ALONE FIFECTS  STAND ALONE WHITE PRESETS  STAND ALONE WHITE PRESETS  STAND ALONE WHITE PRESETS  STAND ALONE MANUAL CW+WW  INVERT MAPPING OFF  INVERT MAPPING OF  RESERVED	000 ÷ 001 002 ÷ 003 004 ÷ 005 006 ÷ 007 008 ÷ 009 010 ÷ 011 012 ÷ 013 014 ÷ 015 016 ÷ 017 018 ÷ 019 020 ÷ 021 022 ÷ 023 024 ÷ 025 026 ÷ 027 028 ÷ 029 030 ÷ 031 032 ÷ 033 034 ÷ 035 036 ÷ 037 038 ÷ 039 040 ÷ 041 042 ÷ 043 044 ÷ 045 046 ÷ 047 048 ÷ 049 050 ÷ 051 052 ÷ 053 054 ÷ 253 054 ÷ 253 054 ÷ 253 054 ÷ 253 054 ÷ 253	000

## **9CH2**2 Section control Available only on S18VW model



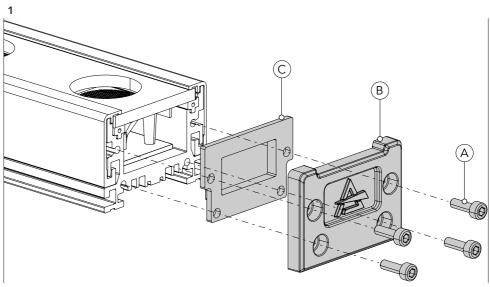
14CH	Function	DMX Value	Default
1	DIMMER		
'	Linear from 0% to 100%	000 ÷ 255	000
	STROBE 1		
	Open	000 ÷ 001	
	Strobe from slow to fast	002 ÷ 062	
	Open	063 ÷ 064	
2	Pulse in from slow to fast	065 ÷ 125	255
2	Open	126 ÷ 127	233
	Pulse out from slow to fast	128 ÷ 188	
	Open	189 ÷ 190	
	Random from slow to fast	191 ÷ 251	
	Open	252 ÷ 255	
3	STROBE 2		
J	Refer to STROBE 1 channel for ranges		
4	WARM WHITE 1		
4	Linear from 0% to 100%	000 ÷ 255	255
5	COLD WHITE 1		
5	Linear from 0% to 100%	000 ÷ 255	255
,	WARM WHITE 2		
6	Linear from 0% to 100%	000 ÷ 255	255
7	COLD WHITE 2		
/	Linear from 0% to 100%	000 ÷ 255	255
	DIMMER FADE		
	Read by menu	000 ÷ 051	
8	Dimmer speed Auto	052 ÷ 101	000
0	Dimmer speed Fast	102 ÷ 152	000
	Dimmer speed Medium	153 ÷ 203	
	Dimmer speed Slow	204 ÷ 255	
9	CONTROL		
7	Refer to CONTROL channel of mode 9CH for ranges		

## 11 - ACCESSORIES INSTALLATION

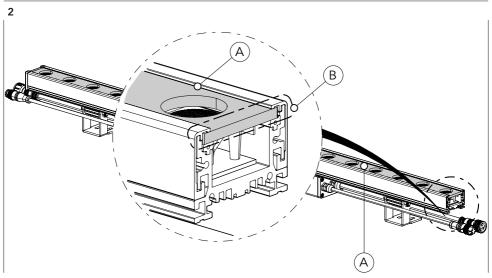
LIGHT DIFFUSION FILTER TER20/40/60/1060/3060 - OPTIONAL)

(ARCSS18FILTER20/40/60/1060/3060,

ARCSS9FIL-



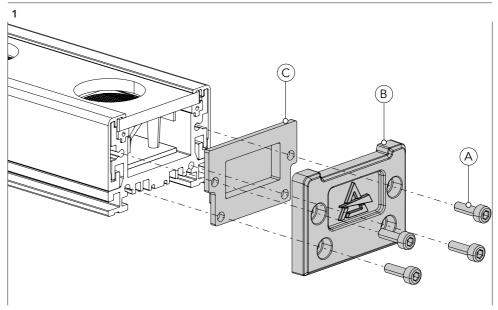
Loosen and remove the marked four screws (A) on one side only. Then remove the side cover (B) and the plastic ring (C).



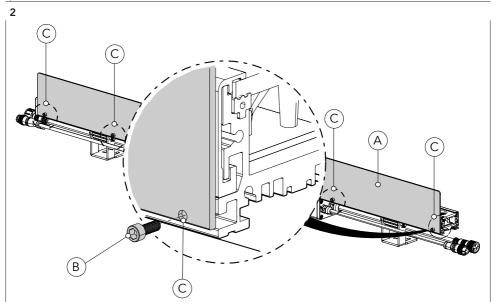
Insert the light diffusion filter accessory <u>holding the opaque side towards the LEDs and the shiny side towards the glass</u> (A) into the housing hardware guide (B).

Then reassemble the plastic ring, side cover and the four screws (see fig.1).

Fig. 09



Loosen and remove the marked four screws (A) on one side only. Then remove the side cover (B) and plastic ring (C).



Insert the barndoor accessory (A) by mounting the four screws (B) in the four holes of housing (C). Then reassemble the plastic ring, the side cover and the four screws (see fig. 1).

Fig. 10

## 12 - 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.

- Only for IP65/IP66 projectors: It is recommended to verify IP grade using IPTESTBOX every time
  the bodies are removed for maintenance, this tool helps to double check the correct assembling of
  the covers with a check of the IP grade of the fixture.
- 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.	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	Bad signal connection.	Inspect connections and cables. Fix eventual bad connections. Repair or replace damaged cables.
to the contoller.	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 corrupt- ing the signal transmis- sion 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, adjust- ment 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.	<ul> <li>Check product stored error messages.</li> <li>Allow product to cool.</li> <li>Clean the product and airflow filters.</li> <li>Reduce ambient temperature.</li> </ul>
	Hardware failure (tem- perature sensor, fans, Light source).	Check product stored error messages for more information. Contact. PROLIGHTS Service or an authorized service partner.
General low light intensity.	<ul><li>Dirty lens assembly.</li><li>Dirty or damaged filters.</li></ul>	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.

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