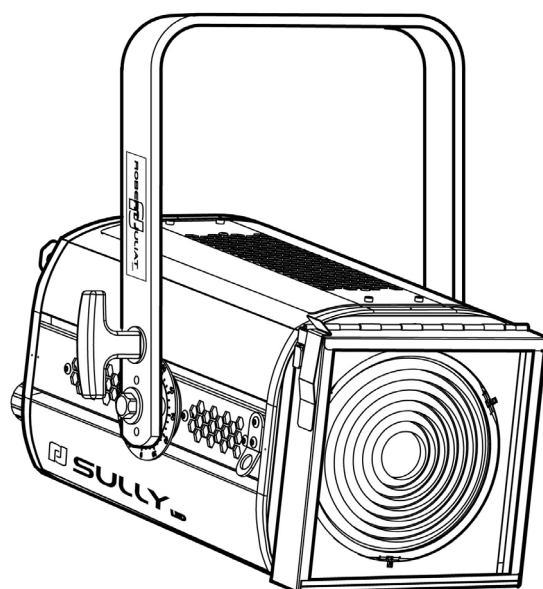


SULLY 305L

LED SINGLE LENS LUMINAIRE

Manual



115W LED SINGLE LENS LUMINAIRE

Type	Standard	North American
Fresnel	305LF	305CLF
Pebble Convex	305LPB	305CLPB

Version V1

VALIDATION : 09/06/21



ROBERT JULIAT

DN41202100 (EN)

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www.robertjuliat.com

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GENERAL INSTRUCTIONS

1. Not for residential use.
2. These fixtures must only be serviced by a qualified technician.
3. In addition to the instructions indicated on this page, relevant health and safety requirements of the appropriate EU Directives must be adhered to at all times.
4. This fixture is in compliance with section 17 - Lighting appliance for theatre stages, television, cinema and photograph studios. Standards NF EN 60598-1, NF EN 60598-2-17, Low Voltage Directive 2014/35/UE & EMC Directive 2014/30/UE.
5. This fixture is rated as IP20, and is for indoor use only.

FIXTURE

6. Ensure fixture is correctly mounted on an appropriate support.
7. Protection screens and lenses must be replaced in the event of any damage, such as cracks or deep scratches, since these might reduce performance.
8. When hung or flown the fixture must be secured by an additional hanging accessory (such as a safety cable or bond) of suitable length.
9. Safety bonds or cables must be securely attached to the back of the fixture and be as short as possible, or rolled up as necessary, to minimise travel distance should the fixture be dislodged.
10. Movable accessories (scroller, etc.) must also be secured with a suitable safety cable or bond at the front of the fixture.
11. The combined weight of both the fixture and the accessories must be considered when choosing the load-bearing capability of safety cable or bond.
12. Do not open lighting fixture when the source is on.
13. WARNING: LED source become hot during use. Allow fixture to cool before servicing.
14. Do not tamper with design of fixture nor any of its safety features.
15. Tighten electrical mains cable connections regularly and replace with one of identical specification if damaged.
16. Use only with correct power supply.

VENTILATION

17. Keep well away from flammable material.
18. Not for outdoor use. Do not cover. Do not permit fixture to get wet.
19. To avoid overheating, do not obstruct air vents.
20. Ensure any cooling fans are in correct working order. If fans are not working, turn fixture off immediately and service as necessary.

CLEANING

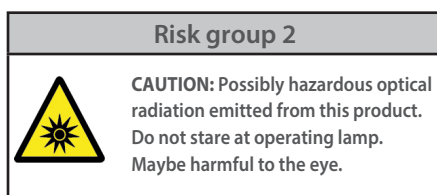
21. Do not touch the LED source with your fingers.
22. To clean the optical parts, use a soft cloth in combination with distilled water or isopropyl alcohol recommended for coated optics. Do not use any cleaning product that contains solvents or abrasives, as these can cause surface damage. Dry with a soft lint-free cloth.
23. Regularly remove dust with a soft lint-free cloth.
24. If the fixture has filters, they must be cleaned frequently.

POWER SUPPLY

25. Disconnect from the mains before servicing.
26. Mains connection only. Do not connect to "electronic output" such as dimmer.
27. Ensure power supply circuit breakers, always remain accessible.

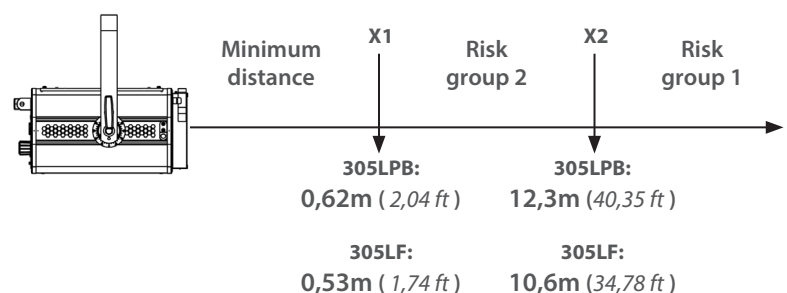
PLEASE NOTE

This product has been built to conform to European standards relating to professional lighting equipment. Any modification made to our products will void the manufacturers' warranty.

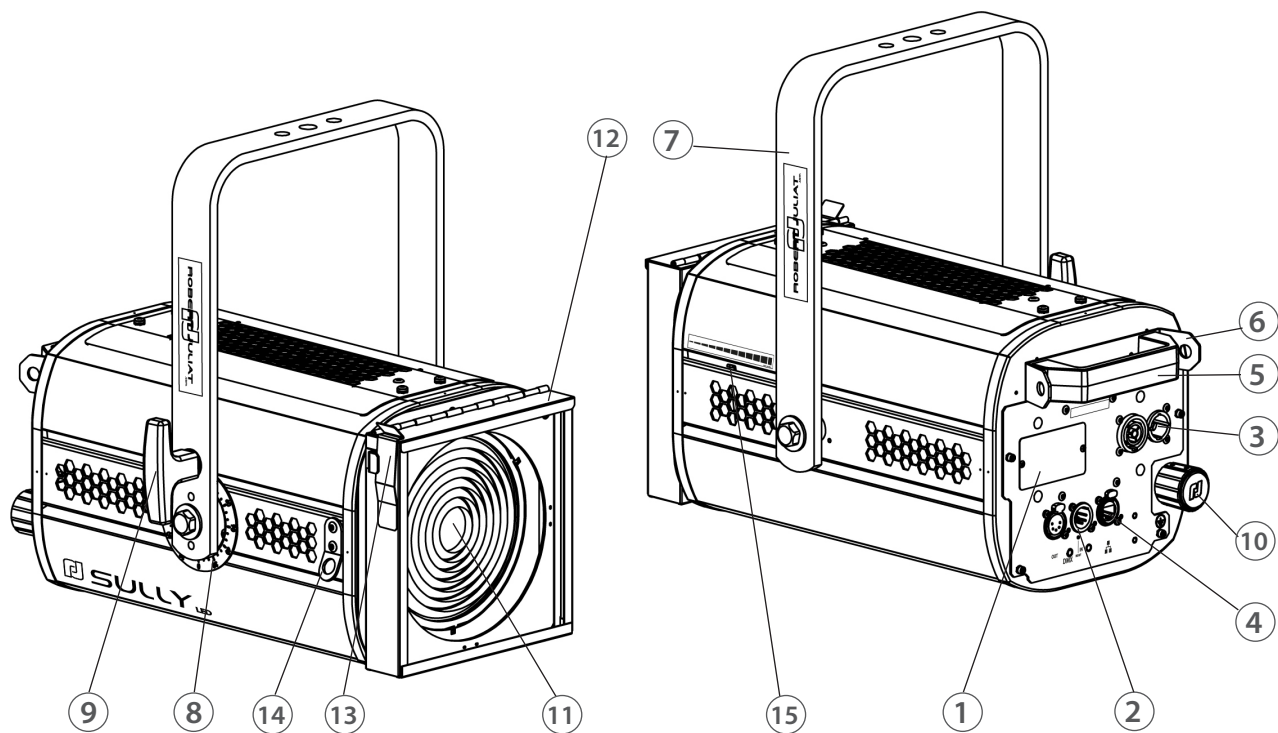


Risk group 2. Luminaires should be positioned so that prolonged staring into luminaire at a distance closer than 12.3m for the 305LPB and 10.6m for the 305LF is not expected.

Photobiological safety according to EN62471



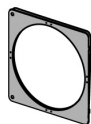
2.1 Functions



Description	
1. Identification plates	11. Lens (Fresnel or Pebble)
2. Data connector (IN and OUT)	12. Accessories and colour filter holders
3. Power connector (IN and OUT)	13. Accessories and colour filter holders locking system
4. RJ45 network connector	14. Front accessories safety cable attachment point
5. Handle	15. Focus index
6. Safety cable attachment point	
7. Hanging yoke	
8. Tilt index	
9. Tilt locking handle	
10. Focus adjustment	

Description	
<p>LED FIXTURE</p> <p>Lire le manuel avant utilisation - Utilisation et maintenance par professionnel uniquement / Read manual before use - Service only by qualified personnel.</p> <p>MOD. 1 VERS. 2 11 9</p> <p>U 3 I 4 10</p> <p>P 5 IP 6</p> <p>t'a 7 t'c 8</p> <p>ROBERT JULIAT .com <i>Made in the EU - France -</i> 12</p> <p>Units :</p> <ul style="list-style-type: none"> - Weight = kilogram (kg). - Intensity = Ampere (A). - Voltage = Volt (V). - Frequency = Hertz (Hz). - Temperature = degree Celsius (°C). 	<ol style="list-style-type: none"> 1. MOD. : Model 2. VERS. : Version 3. U : Nominal voltage input (V) 4. I : Nominal intensity (A) 5. P : Maximum power input (W) 6. IP : Ingress Protection (IP) rating 7. t'a : Maximum ambient temperature (°C) 8. t'c : Maximum external temperature of the unit (°C) 9. Net weight (kg) 10. Minimum distance between a flammable material and the lighting unit (m) 11. Colour temperature version 12. Serial number 13. Replace broken glass 14. Class 1 product label 15. Read manual first label 16. European conformity label 17. WEEE directive label 18. CEI-TR-62778 - Do not stare at light source

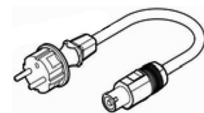
2.3 Accessories included



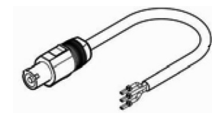
①



②



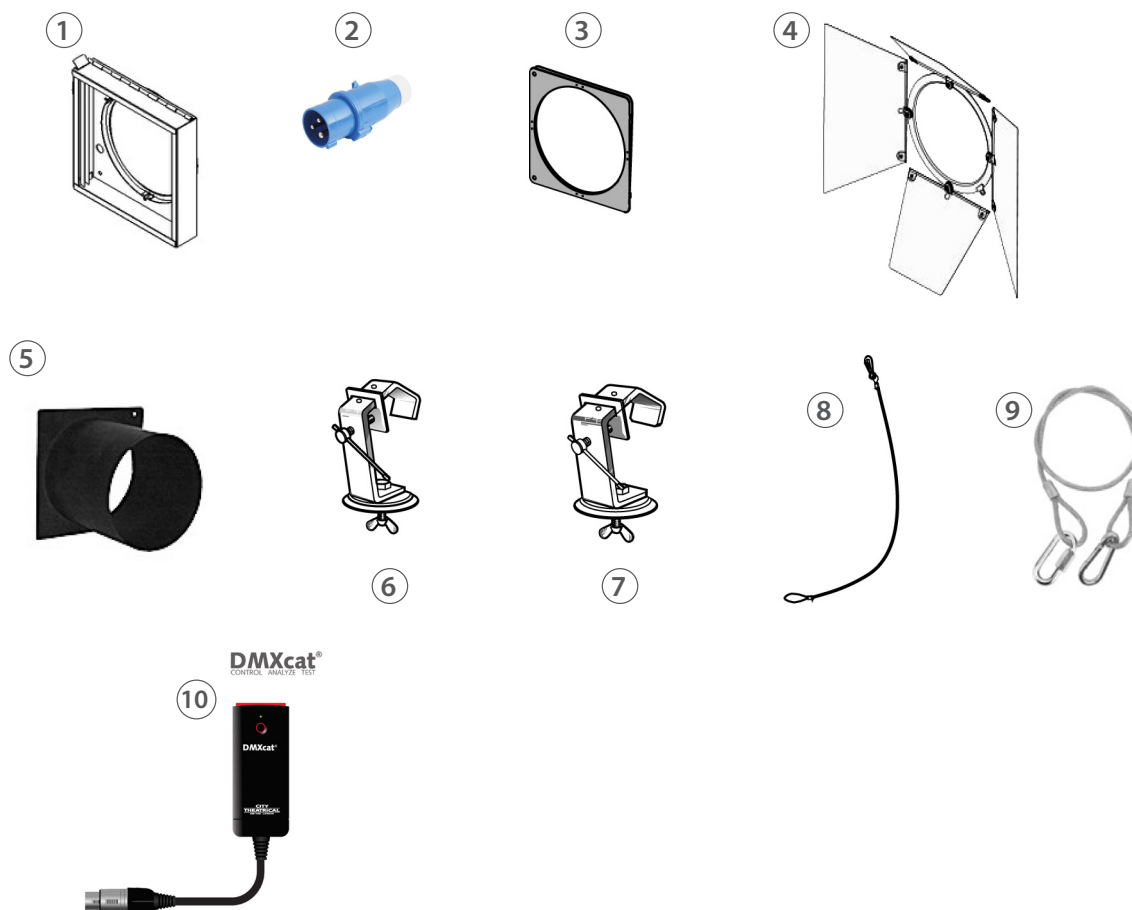
③



④

Parts list ref.	Parts number	Description	
1	FPAPF00016	PF500M2	180 x 180 mm (7.1 x 7.1 in) metal filter holder
2	DN41202200		Quick Start manual
3	FJUC000112	CAL03	3 meter power cable (3G1,5 HO7RNF) with Neutrik PowerCon® True1 TOP and CEE 7/7 (2P+T NF/SCHUKO) connectors (standard version)
4	FJUC000113	CAL04	1,50m power cable UL/CSA with Neutrik PowerCon® True1 TOP connector (North American version)

2.4 Accessories

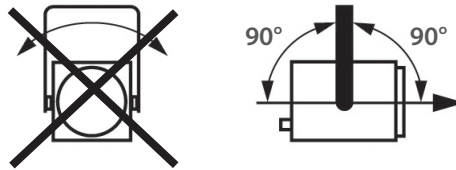


	Parts list ref.	Parts number	Description
1	PD00000031	L150 F/2	Ø150mm Fresnel lens with double slot front cassette for 180x180mm accessories - weight: 0.8 Kg
	PD00000032	L150 PB/2	Ø150mm Pebble convex lens with double slot front cassette for 180x180mm accessories - weight: 1.25 Kg
2	FJUC000059	PCP1716A	16A blue 2P+E 6h IEC60309 power connector
3	FPAPF00016	PF500M2	180 x 180 mm metal filter holder
4	FPACF00002	CF500	4 rotating leaves on a rotating barndoor - 180x180mm (without safety cable) - weight: 0.82 Kg
5	FPACAH0007	TH600	180x180mm "Top hat" (without safety cable)
6	RPAFIX0004	876	40 x 10mm hook clamp with 28mm screw for Ø35 to Ø50mm
7	RPAFIX0007	880	40 x 10mm hook clamp with 28mm screw for Ø50 to Ø63mm
8	RPAFIX0001	CS2	Safety cable Ø3mm (length = 600mm)
9	RPAFIX0067	CS5	Safety cable Ø1,5mm (length = 300mm) for front accessory with karabiner and quick link
10	RJPNAP0006	DMXcat	Bluetooth DMX/RDM Multifunction test tool - City Theatrical DMXcat®

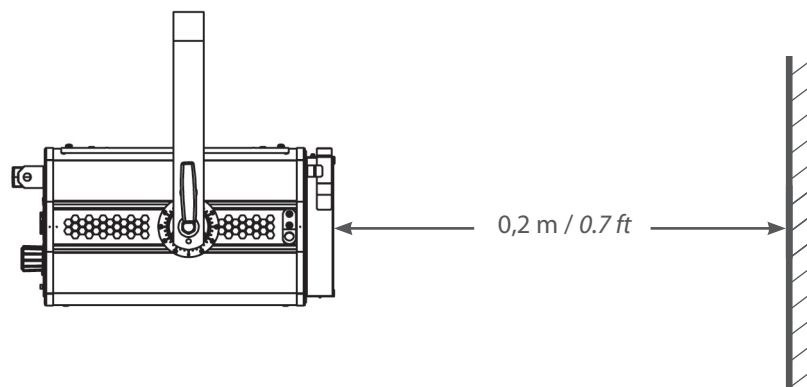
3 Set-up

3.1 Mechanics

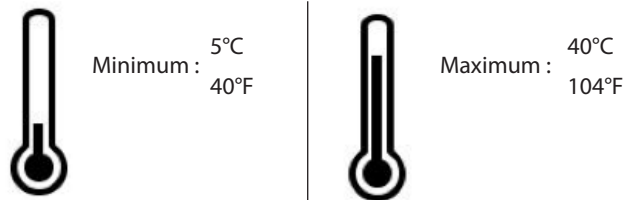
3.1.1 Operating positions



3.1.2 Minimum distance between a flammable material and the lighting unit



3.1.3 Instructions for use



IP20 - Indoor use only

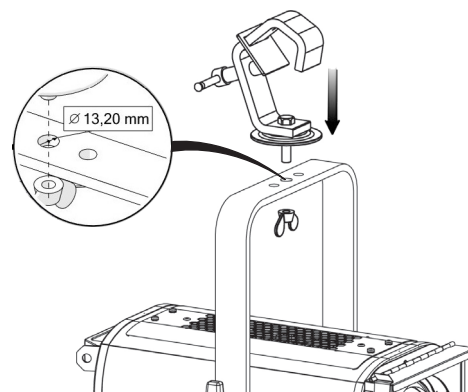
3.1.4 Hanging

- Ensure fixture is correctly mounted on an appropriate support

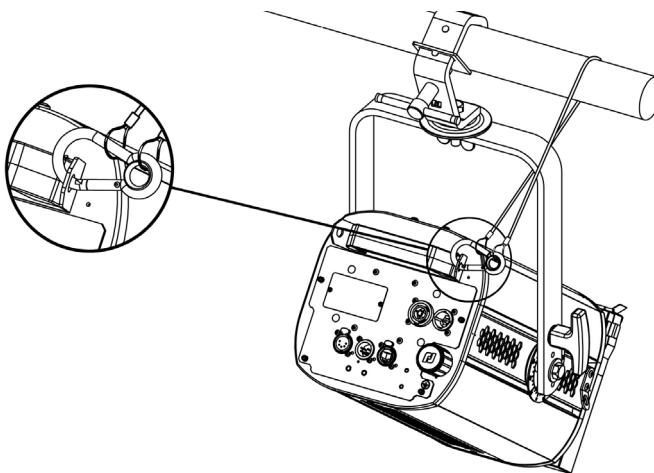
Net weight:

Fresnel: 8.5 kg (18.7 lbs)

Pebble: 8.8 kg (19.4 lbs)



3.1.5 Safety cable



- When hung or flown the fixture must be secured by an additional hanging accessory (such as a safety bond or cable) of suitable length.
- The combined weight of both the fixture and the accessories must be considered when choosing the load-bearing capability of safety cable or bond.
- Safety cables or bonds must be securely attached to the back of the fixture and be as short as possible, or rolled up as necessary, to minimise travel distance should the fixture be dislodged.


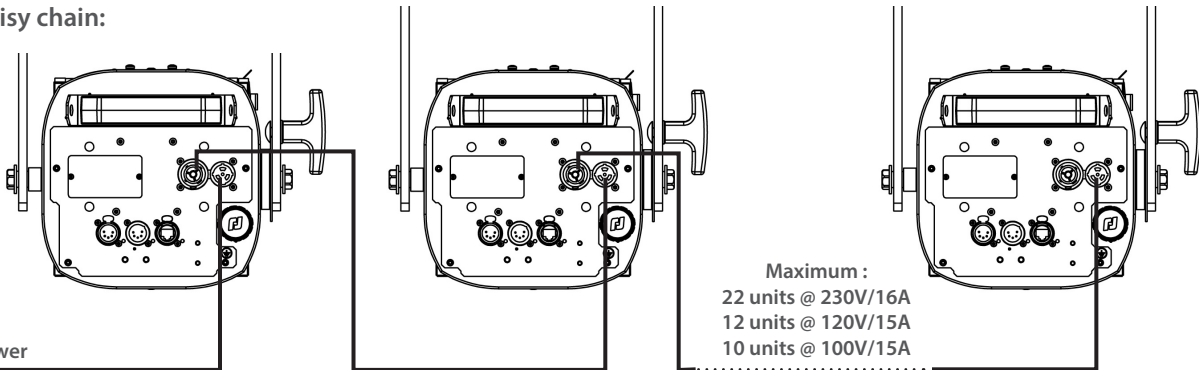
3.2 Electrical information

3.2.1 LED source



Never touch or scratch the LED surface.
See 6.1.4 LED cleaning procedure if cleaning is necessary.

3.2.2 Power supply

Power supply			
Voltage	Frequency	Input power	Connectors
100 → 240 V	50-60 Hz	0,7 A / 130 W @ 230V 1,15 A / 135 W @ 120V 1,40 A / 135 W @ 100V	Neutrik powerCON TRUE1 TOP Input : ref. NAC3FPX-TOP
 <ul style="list-style-type: none"> • Class 1 product. This luminaire must be earthed. • Must be connected directly to AC power. Do not connect to dimmer power. • Automatic mains voltage detection. 			
<p>Daisy chain:</p>  <p>Maximum : 22 units @ 230V/16A 12 units @ 120V/15A 10 units @ 100V/15A</p>			

Power cable

Power cable		Connector	Mains plug	Cable type	Cable length	Wiring
1	Standard version	Neutrik® powerCON TRUE1 TOP NAC3FX-W-TOP	CEE7/7	3G1.5 H07RNF	3 m 9.8 ft	Live: Brown Neutral: Blue Ground: Yellow/Green
2	North American version		-	14AWG SJ TYPE (UL/CSA)	1.5 m 4.9 ft	Live: Black Neutral: White Ground: Green

3.3 DATA

3.3.1 DMX 512-A / RDM

Protocol		Input connector	Output connector
USITT DMX 512-A RDM		XLR 5-pin	XLR 5-pin

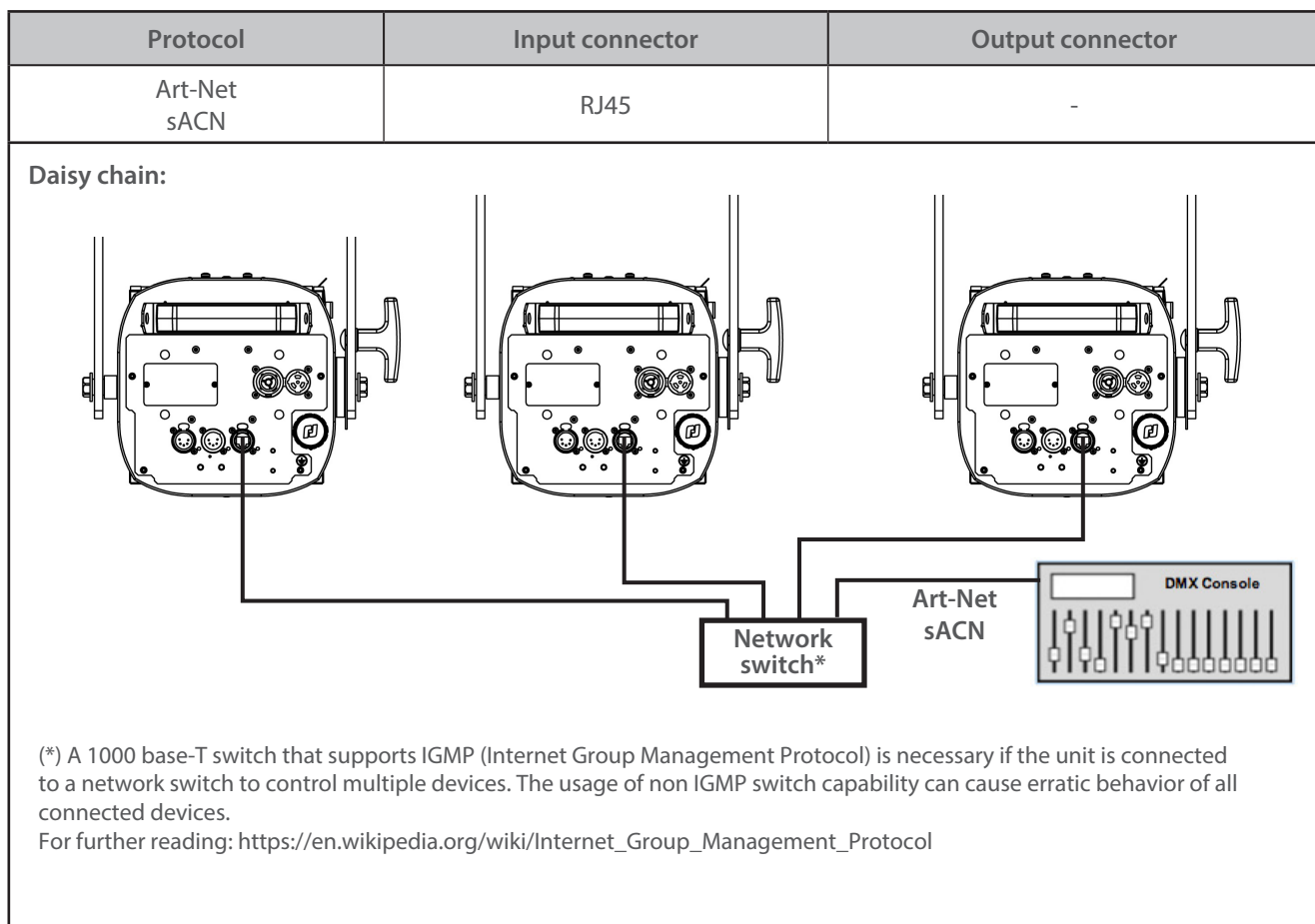
DATA connectors			
PIN #	DMX	Description	
1	Shielding	Foil & Braided Shield	
2	DMX (-)	1 st conductor of 1 st twisted pair	
3	DMX (+)	2 nd conductor of 1 st twisted pair	
4	Not used	1 st conductor of 2 nd twisted pair	
5	Not used	2 nd conductor of 2 nd twisted pair	

Daisy chain:

Maximum :
31 units total

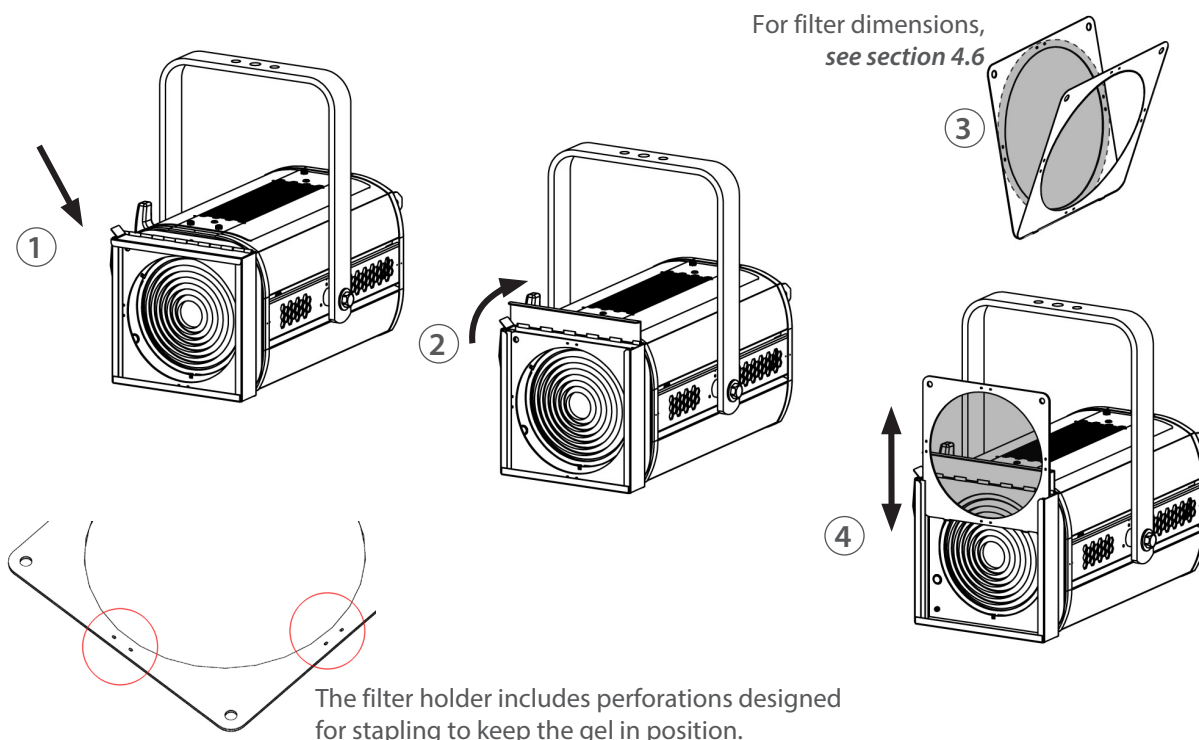
3.3.2 Art-Net / sACN

- With external switch

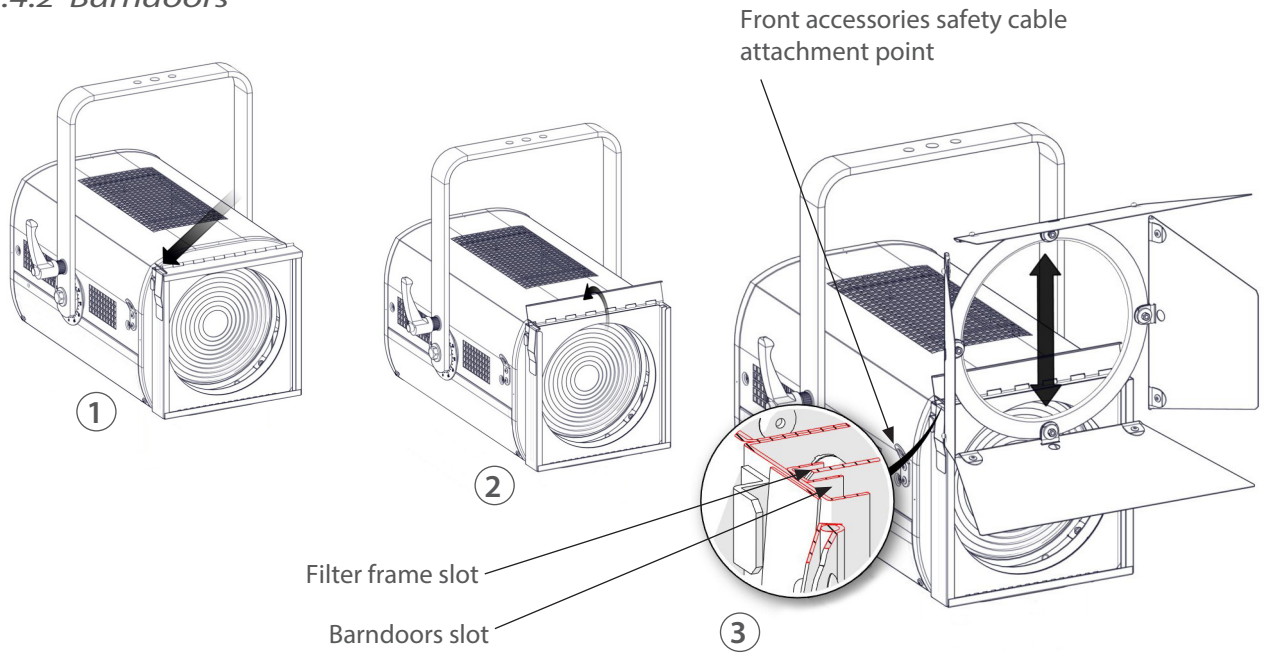


3.4 Accessories

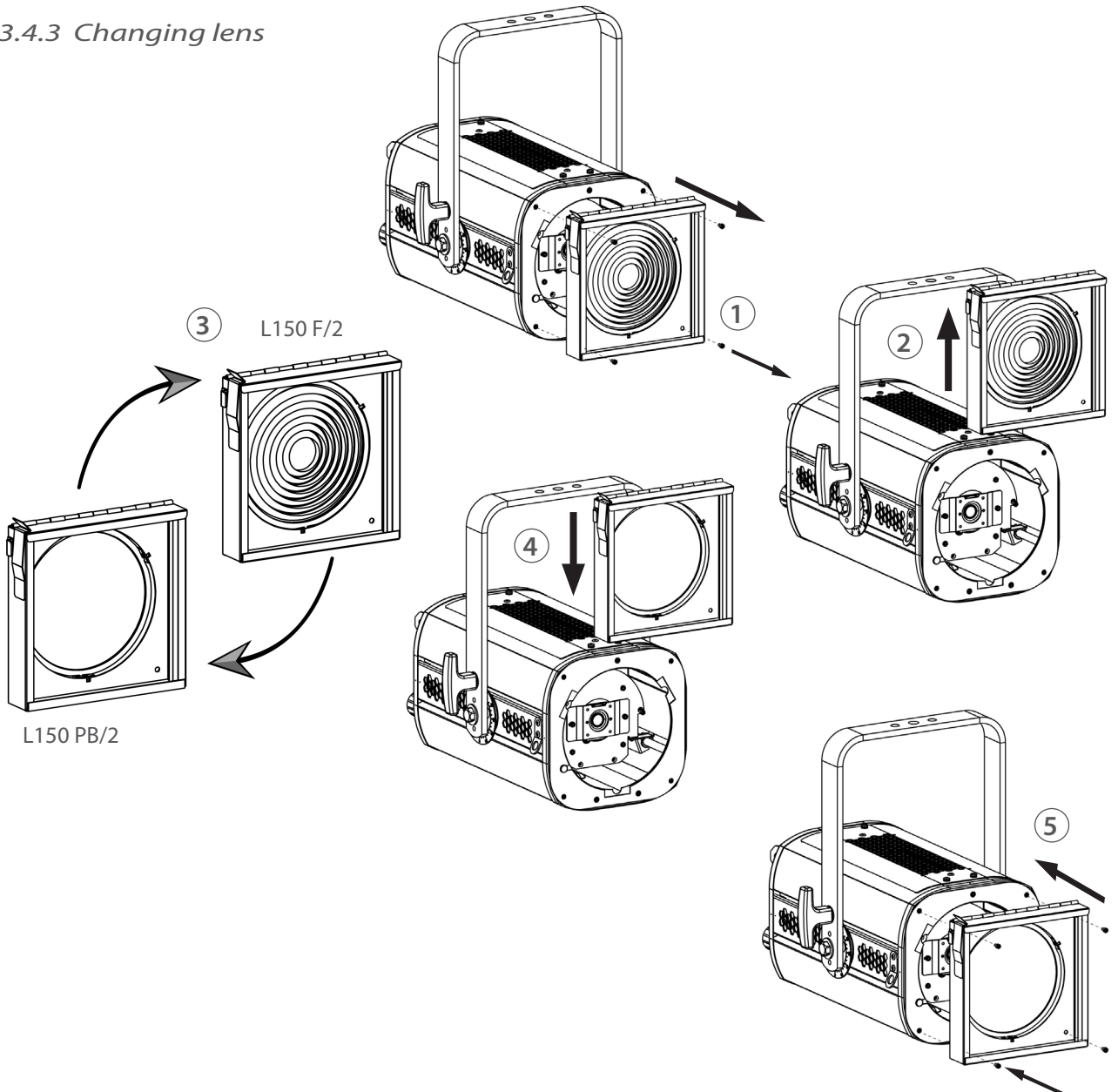
3.4.1 Front filter holder



3.4.2 Barndoors



3.4.3 Changing lens

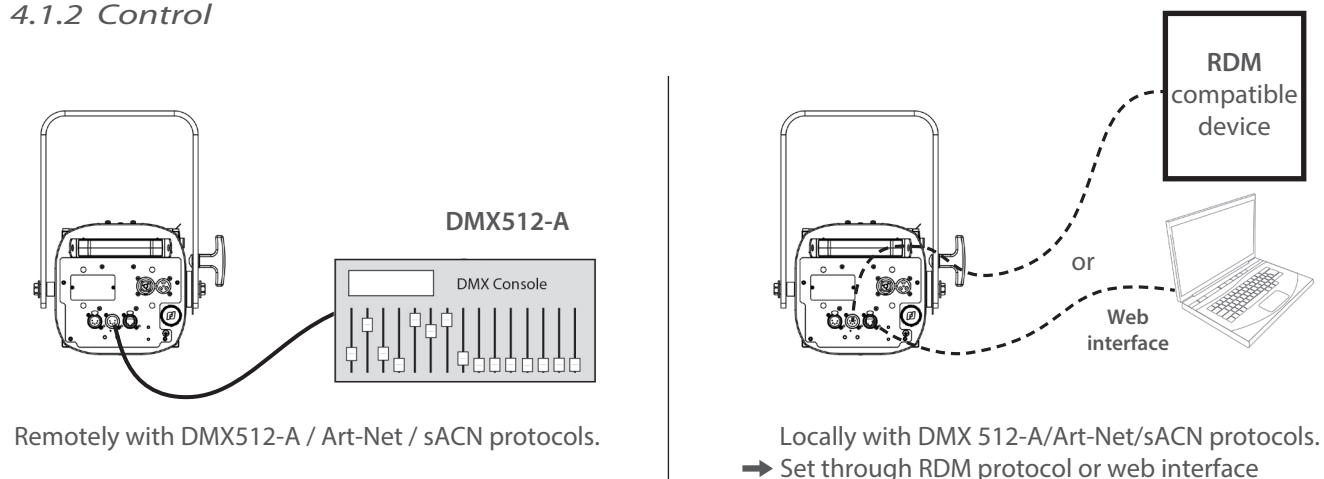


4.1 Light intensity

4.1.1 Range



4.1.2 Control



4.1.3 Parameters

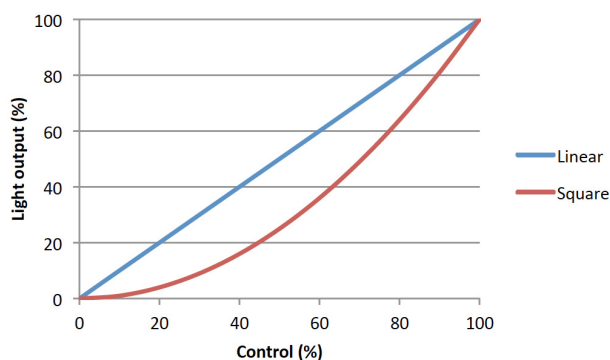
4.1.3.1 Dimming resolution - DMX only

→ Set through RDM protocol or web interface

Resolution	DMX mode
8 bits – 255 steps	1 - 3
16 bits – 65 535 steps	2 - 4

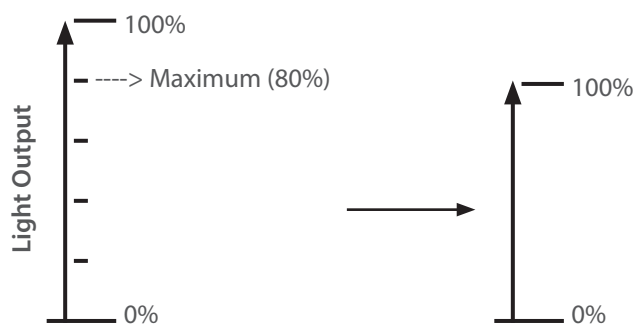
4.1.3.2 Dimming curve

→ Set through RDM protocol or web interface



4.1.3.3 Set maximum position

→ Set through RDM protocol or web interface



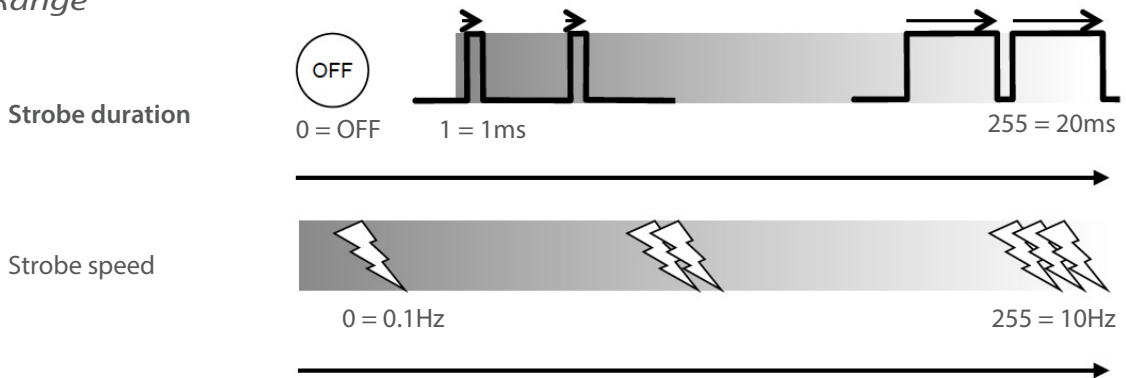
4.1.3.4 Dimming mode

→ Set through RDM protocol or web interface

Mode	Result
Without PWM	Flicker-Free, perfect for filming
PWM 17 kHz	Good dimming quality (Default Value)
PWM 3,2 kHz	Very good dimming

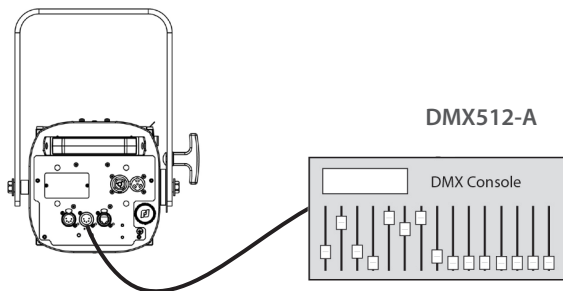
4.2 Strobe

4.2.1 Range



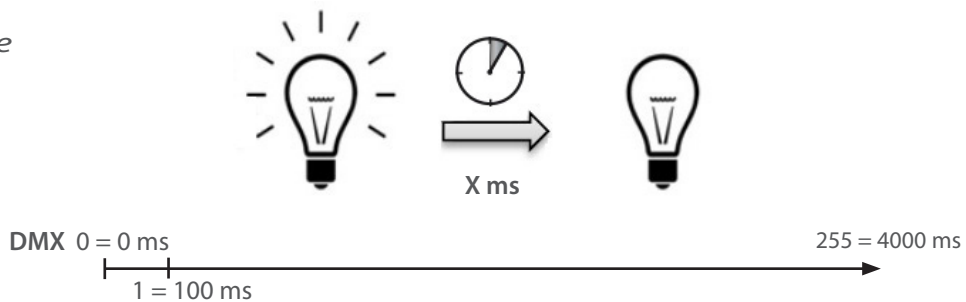
4.2.2 Control

→ Remotely with DMX512-A / Art-Net / sACN protocols
 Mode 3 – 4

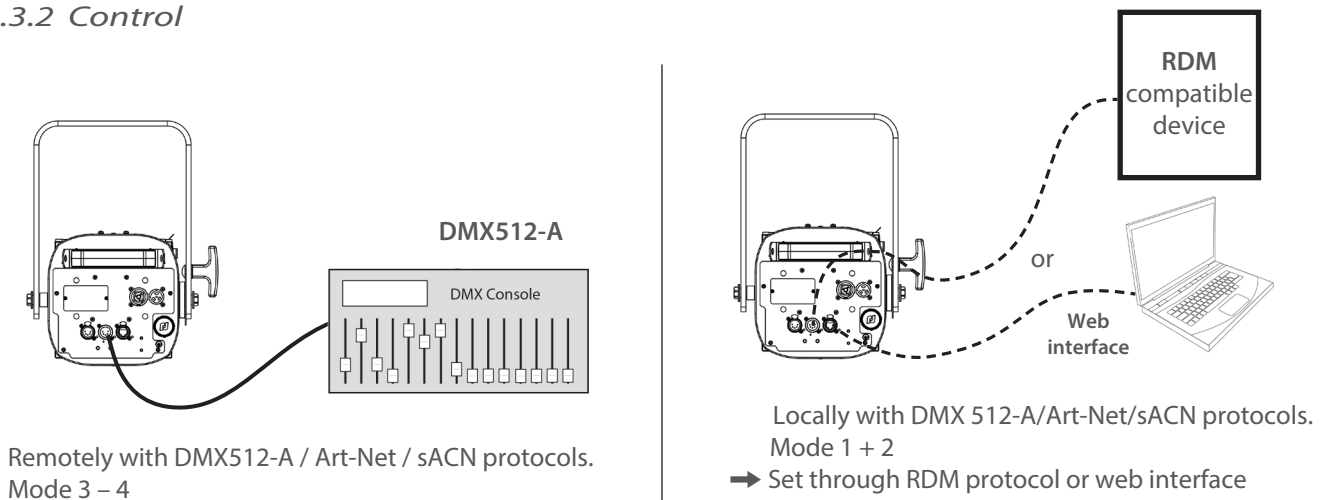


4.3 Response time

4.3.1 Range

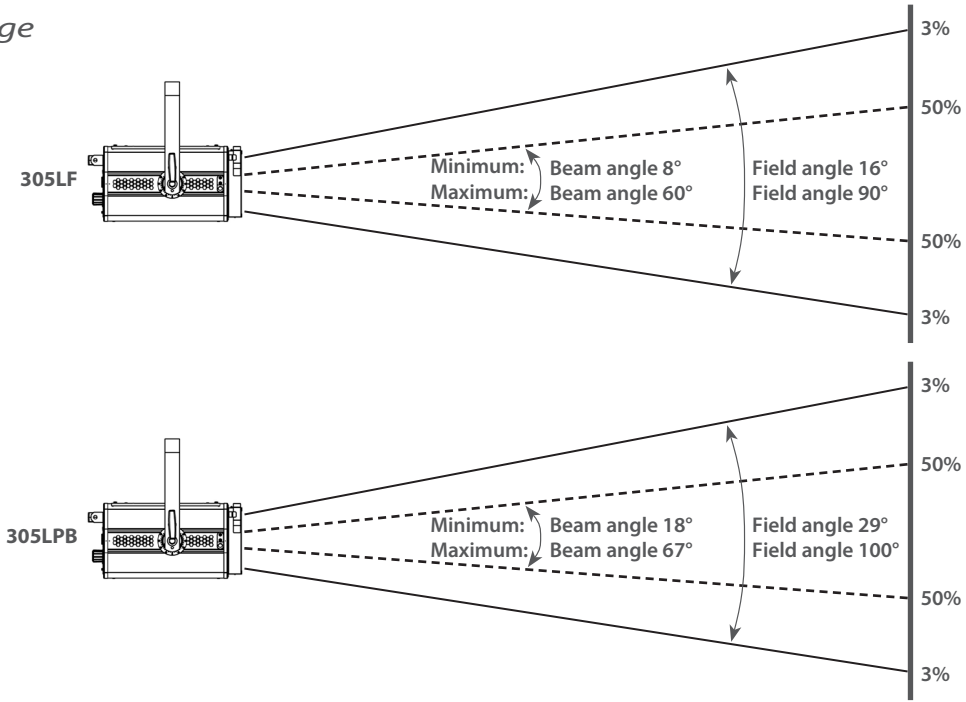


4.3.2 Control

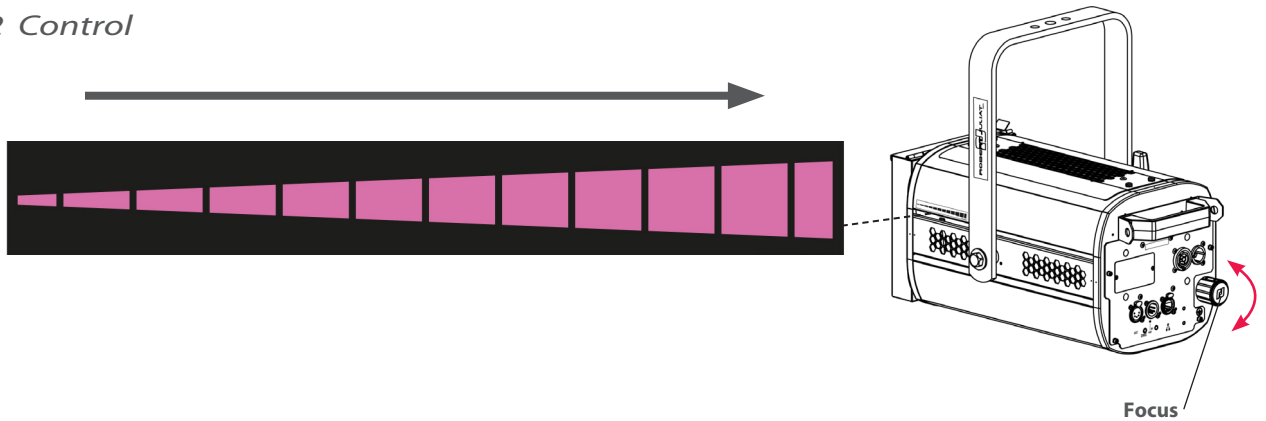


Mode	Speed
NONE	OFF
SLOW	700 ms
MEDIUM	470 ms
FAST	350 ms
CUSTOM	0 - 4000 ms

4.4.1 Range



4.4.2 Control

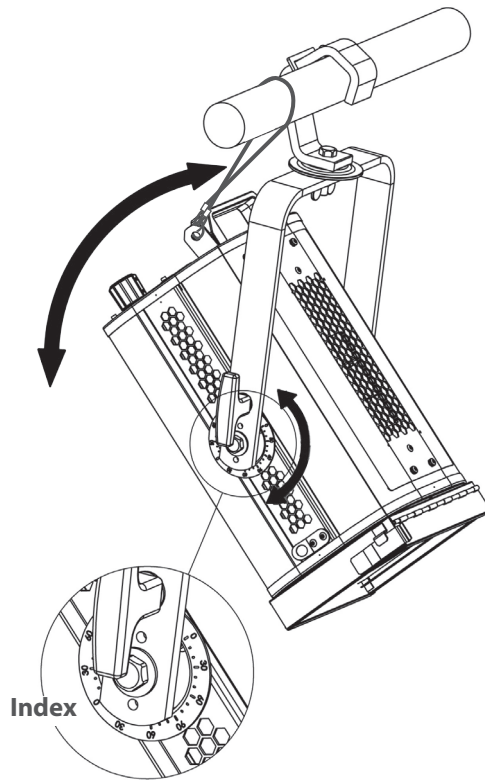


4.5 Orientation

4.5.1 Range

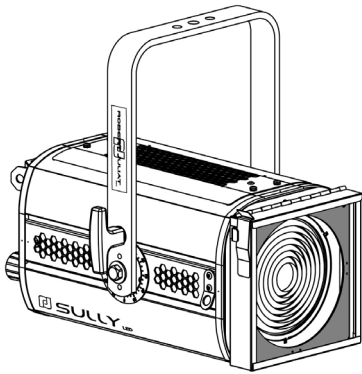
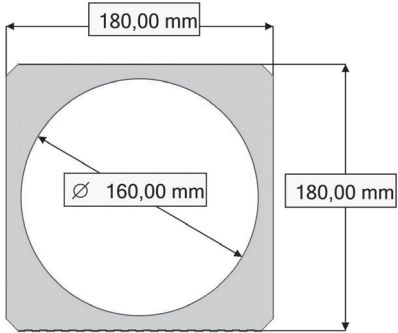
Function	Range
PAN	0 → 360°
TILT	TU = 0 → 90° TD = 0 → 90°

4.5.2 Control



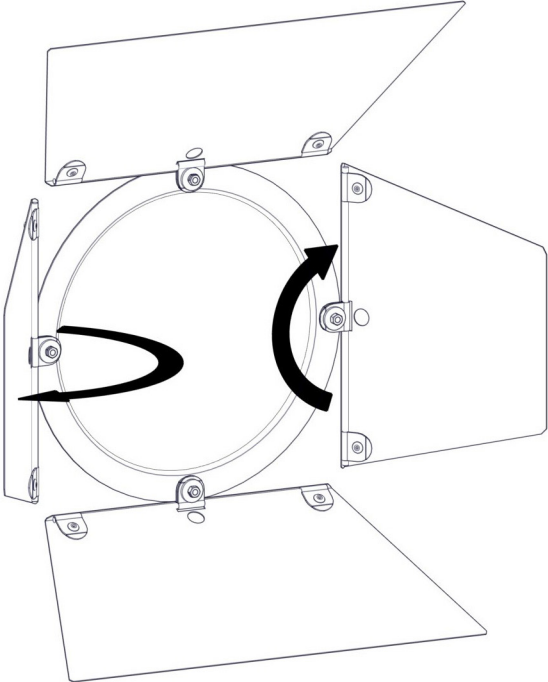
4.6 Colour

Fixed colour:

<p>Location</p>	 <p>Front filter holder</p>
<p>Type</p>	<p>Standard coloured gel filter</p>
<p>Dimensions</p>	
<p>Installation</p>	<p>See 3.4.1</p>

4.7 Beam shaping

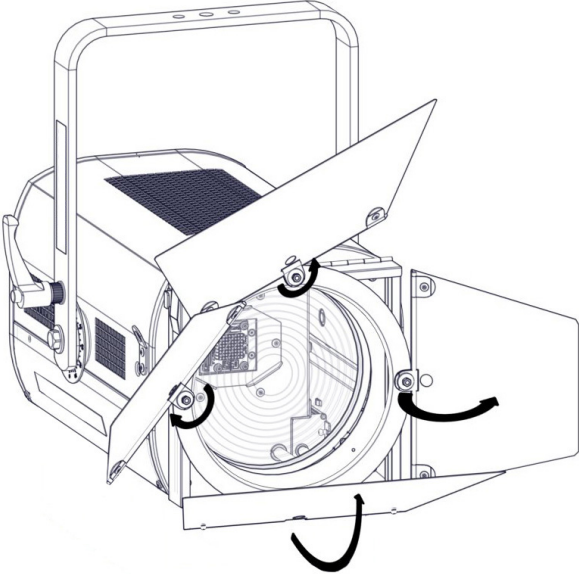
4.7.1 Range



Examples:

<p>Open</p>	<p>Triangle</p>	<p>Square</p>	<p>Line</p>

4.7.2 Control

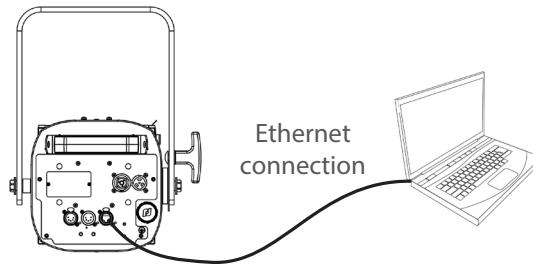


5 Controls and parameters



5.1 Web interface

5.1.1 Control



The fixture must be connected to a compatible network or directly to a computer using an ethernet cable.

5.1.2 Default IP address

By default :
DHCP = OFF
Address = 2.XXX.XXX.XXX
Mask = 255.0.0.0



➔ If IP address unknown (due to a previous modification), a hard reset must be done (see 6.5 Factory defaults).

5.1.3 Network IP of the computer

The computer must be on the same network as the Sully fixture.

Please refer to your computer Operating System to change IPV4 parameters :

- **Microsoft Windows:**

<https://support.microsoft.com/en-us/windows/change-tcp-ip-settings-bd0a07af-15f5-cd6a-363f-ca2b6f391ace>

- **MAC OS:** <https://support.apple.com/en-gb/guide/mac-help/mchlp2718/10.15/mac/10.15>

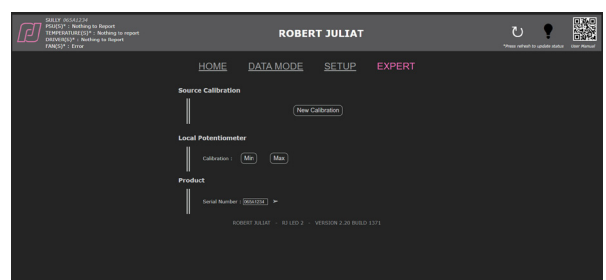
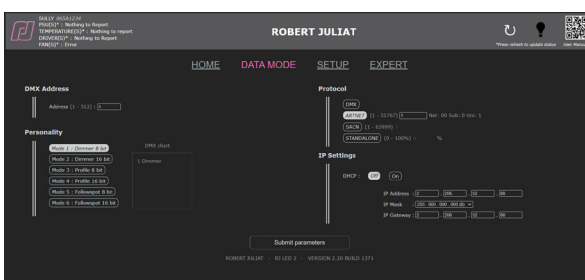
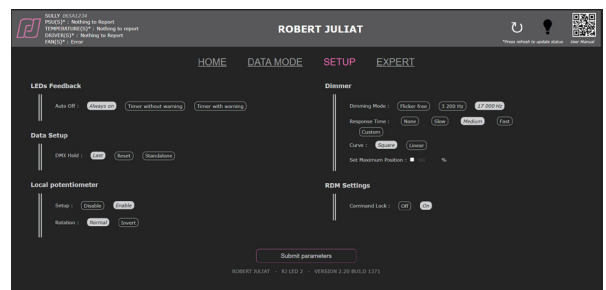
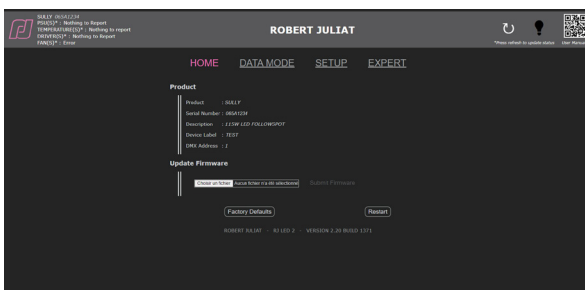
1 - ADDRESS = 2.XXX.XXX.YYY with YYY ≠ XXX

Do not use the same IP address as the Sully fixture

2 - MASK = 255.0.0.0

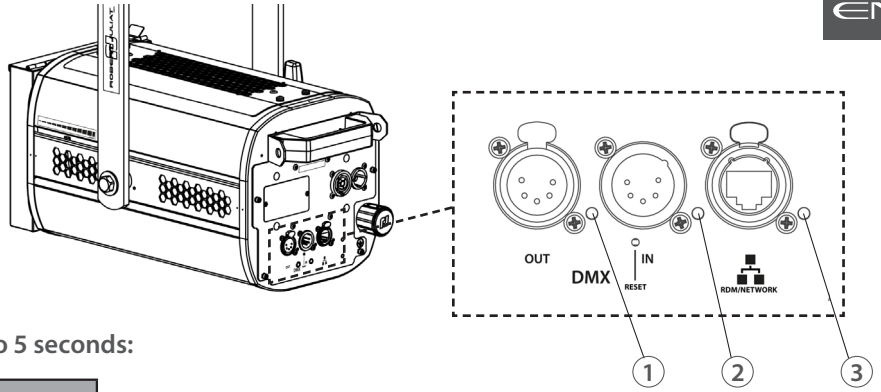
5.1.4 Connect to web interface

- 1 - Open a web browser (Microsoft Edge, Firefox, Apple Safari...)
- 2 - Enter the URL address of the Sully fixture: <http://2.XXX.XXX.XXX>
- 3 - All parameters can be now modified



5.2 LEDs Feedback

5.2.1 Trouble shooting:



• During unit initialisation (power up) – up to 5 seconds:

1 DMX OUT	2 DMX IN	3 Network	Description
Ⓟ	Ⓟ	Ⓟ	Unit OFF
Ⓡ	Ⓡ	Ⓡ	Unit error
Ⓢ	Ⓢ	Ⓢ	Unit has been reset successfully
Ⓟ	Ⓟ	Ⓡ or Ⓢ or Ⓟ	RDM protocol activated

• After initialisation:

1 DMX OUT	2 DMX IN		3 Network	
Ⓟ	Ⓟ		Ⓟ	Display auto-off
Ⓟ	Ⓢ	DMX protocol detected without data received	Ⓡ	No ethernet
Ⓟ			Ⓢ	Ethernet detected (link)
Ⓟ			Ⓟ	Ethernet detected + data
Ⓟ	Ⓟ	DMX protocol detected with data received	Ⓡ	No ethernet
Ⓟ			Ⓢ	Ethernet detected (link)
Ⓟ			Ⓟ	Ethernet detected + data
Ⓟ	Ⓡ	No DMX protocol detected	Ⓡ	No ethernet
Ⓟ			Ⓢ	Ethernet detected (link)
Ⓟ			Ⓟ	Ethernet detected + data
Ⓡ	Ⓡ		Ⓡ	Unit error

5.2.2 Parameters

5.2.2.1 Intensity

➔ Set through RDM protocol or web interface

Mode	Description
Display level	Adjust the intensity of the feedback LEDs

5.2.2.2 Auto-OFF

➔ Set through RDM protocol or web interface

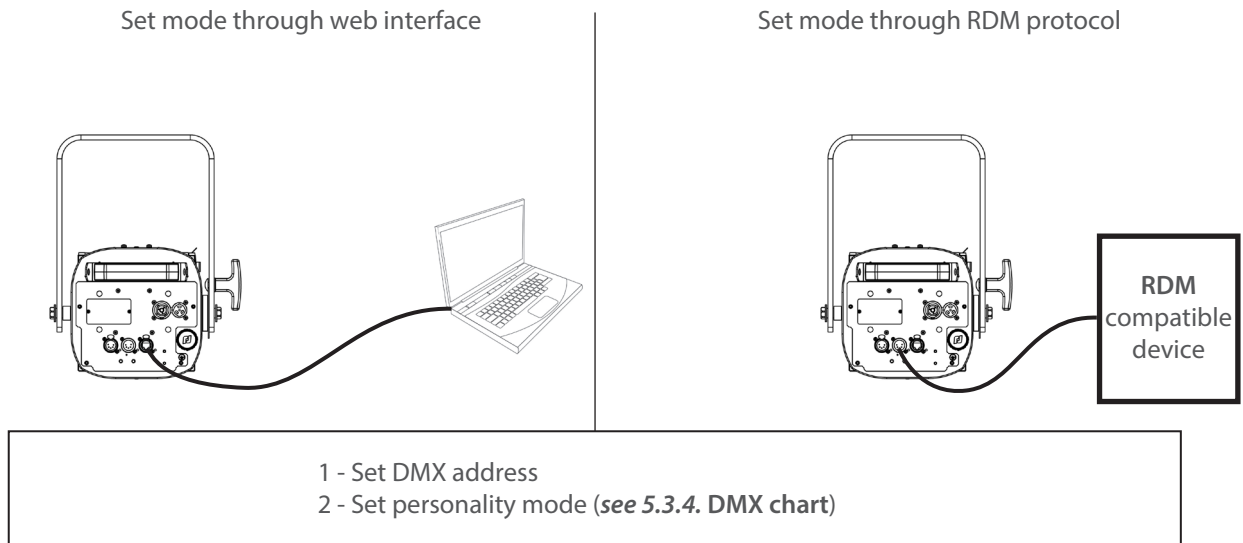
Mode	Description
Always ON	Main feedback LED, always ON
Timer without warning	Main feedback LED OFF after 20 seconds
Timer with warning	Main feedback LED OFF after 20 seconds, ON, if warning information occurs

5.3 DMX512 - A remote control

5.3.1 Protocol:

E1.11 – 2008, USITT DMX512-A

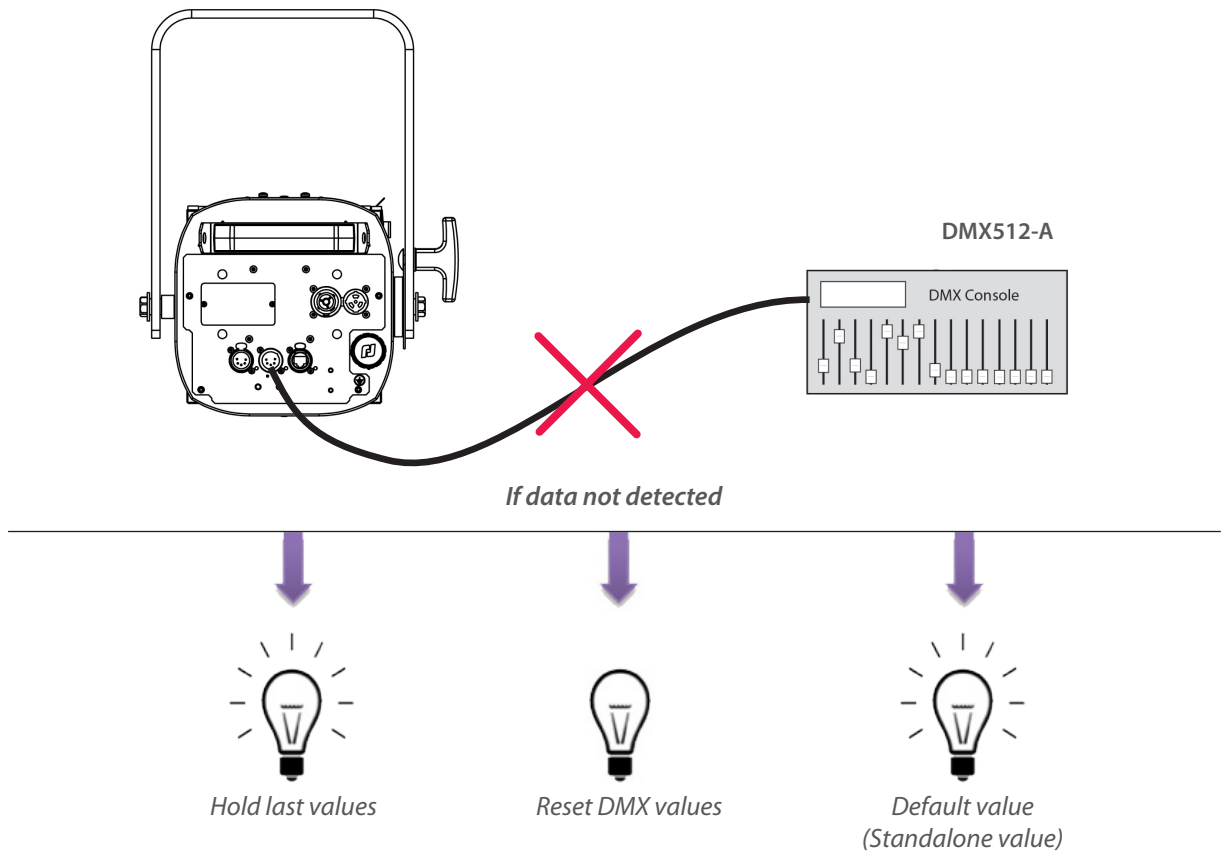
5.3.2 Configuration:



5.3.3 Parameters:

5.3.3.1 DMX Hold

→ Set through RDM protocol or web interface



5.3.4 DMX chart:

DMX address	Mode 1: Dimmer8B	Mode 2: Dimmer16B	Mode 3: Profile8B	Mode 4: Profile16b
1	Dimmer	Dimmer	Dimmer	Dimmer
2		Dimmer fine	Strobe duration	Dimmer fine
3			Strobe speed	Strobe duration
4			Response time	Strobe speed
5			Control mode	Response time
6				Control mode

5.3.5 DMX ranges:

5.3.5.1 Strobe duration

Range min	Range max	Function
0	0	Strobe OFF
1	255	Strobe ON - 1 ms → 20 ms

5.3.5.2 Strobe speed

Range min	Range max	Function
0	255	Frequency: 0,1 Hz → 10 Hz

5.3.5.3 Response time

Range min	Range max	Function
0	0	OFF
1	255	Dimmer timing: 0,1 s → 4 s

5.3.5.4 Control mode*

Range min	Range max	Function
0	0	
1	10	RDM Disable
11	20	RDM Enable

(*) Function activated after 5 seconds - needs to go back to zero to activate second function.

5.4.1 Protocol: ANSI E1.20 – 2010 / ANSI E1.37 - 1

For more information about RDM protocol: <http://www.rdmprotocol.org/>

PID	Function description	115W LED PROFILE			V2.20	
		Get	Set	Queued Message		
Network Management						
00	01	DISCOVERY_UNIQUE_BRANCH				X
00	02	DISCOVERY_MUTE		X		X
00	03	DISCOVERY_UNMUTE		X		X
00	15	COMMUNICATION_STATUS	X	X		X
		Status Collection				X
00	20	QUEUED_MESSAGE	X			X
00	30	STATUS_MESSAGES	X			X
00	31	STATUS_ID_DESCRIPTION	X			X
00	32	CLEAR_STATUS_ID		X		X
		RDM Information				
00	50	SUPPORTED_PARAMETERS	X			X
00	51	PARAMETER_DESCRIPTION	X			X
Product Information						
00	60	DEVICE_INFO	X		X	X
00	70	PRODUCT_DETAIL_ID_LIST	X			X
00	80	DEVICE_MODEL_DESCRIPTION	X			X
00	81	MANUFACTURER_LABEL	X			X
00	82	DEVICE_LABEL	X	X	X	X
00	90	FACTORY_DEFAULTS	X	X	X	X
00	C0	SOFTWARE_VERSION_LABEL	X		X	X
00	C2	BOOT_SOFTWARE_VERSION_LABEL	X			X
DMX512 Setup						
00	E0	DMX512_PERSONALITY	X	X	X	X
00	E1	DMX512_PERSONALITY_DESCRIPTION	X			X
00	F0	DMX512_STARTING_ADDRESS	X	X	X	X
01	20	SLOT_INFO	X			X
01	21	SLOT_DESCRIPTION	X			X
Sensors						
02	00	SENSOR_DEFINITION	X			X
02	01	SENSOR_VALUE	X			X
DMX Settings						
03	40	DIMMER_INFO	X			X
03	42	MAXIMUM_LEVEL	X	X	X	X
03	43	CURVE	X	X	X	X
03	44	CURVE_DESCRIPTION	X			X
03	45	OUTPUT_RESPONSE_TIME	X	X	X	X
03	46	OUTPUT_RESPONSE_TIME_DESCRIPTION	X			X
03	47	MODULATION_FREQUENCY	X	X	X	X
03	48	MODULATION_FREQUENCY_DESCRIPTION	X			X
Power / Lamp Settings						
04	00	DEVICE_HOURS	X			X
04	01	LAMP_HOURS	X	X		X
Display Settings						
05	01	DISPLAY_LEVEL	X	X	X	X

PID	Function description		115W LED PROFILE			V2.20
			Get	Set	Queued Message	
Control						
10	00	IDENTIFY_DEVICE	X	X		X
10	01	RESET_DEVICE		X	X	X
10	20	PERFORM_SELFTEST	X	X		X
10	21	SELF_TEST_DESCRIPTION				X
RDMnet Management						
07	00	LIST_INTERFACES	X			X
07	01	INTERFACE_LABEL	X			X
07	02	INTERFACE_HARDWARE_ADRESS_TYPE1	X			X
07	03	IPV4_DHCP_MODE	X	X	X	X
07	05	IPV4_CURRENT_ADDRESS	X		X	X
07	06	IPV4_STATIC_ADDRESS	X	X		X
07	08	INTERFACE_RELEASE_DHCP		X		
07	09	INTERFACE_APPLY_CONFIGURATION		X		X
07	0A	IPV4_DEFAULT_ROUTE	X	X	X	X
07	0B	DNS_IPV4_NAME_SERVER	X	X	X	X
07	0C	DNS_HOSTNAME	X	X		
PID Manufacturer						
85	58	SELFTEST_RESULT	X			X
85	59	CURRENT_IP_ADDRESS	X		X	X
85	5A	CURRENT_NETMASK	X		X	X
85	5B	CURRENT_DRIVER_STATUS	X		X	X
85	5C	CUSTOM_RESPONSE_TIME_DESCRIPTION	X			X
85	5D	CUSTOM_RESPONSE_TIME_VALUE	X	X	X	X
85	60	DATA_MODE_DESCRIPTION	X			X
85	61	DATA_MODE_VALUE	X	X	X	X
85	62	STANDALONE_VALUE_DESCRIPTION	X			X
85	63	STANDALONE_VALUE	X	X	X	X
85	64	SACN_UNIVERSE_VALUE_DESCRIPTION	X			X
85	65	SACN_UNIVERSE_VALUE	X	X	X	X
85	66	ARTNET_UNIVERSE_VALUE_DESCRIPTION	X			X
85	67	ARTNET_UNIVERSE_VALUE	X	X	X	X
85	68	SERIAL_DESCRIPTION	X			X
85	69	SERIAL	X	X		X
85	6A	DMX_HOLD_DESCRIPTION	X			X
85	6B	DMX_HOLD	X	X	X	X
85	6C	COMMAND_LOCK_DESCRIPTION	X			X
85	6D	COMMAND_LOCK_VALUE	X	X	X	X
85	6E	DRIVER_CALIBRATE_DESCRIPTION	X			X
85	6F	DRIVER_CALIBRATE_VALUE	X	X	X	X
85	6E	DRIVER_CALIBRATE_DESCRIPTION	X			X
85	6F	DRIVER_CALIBRATE_VALUE	X	X		X

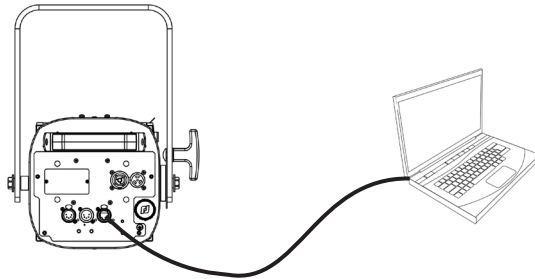
5.5 Art-Net remote control

5.5.1 Protocol: Artistic Licence Art-Net v3.

For more information about Art-Net protocol: <http://art-net.org.uk/>

5.5.2 Configuration:

Set mode through web interface
(see 5.1 Web interface)



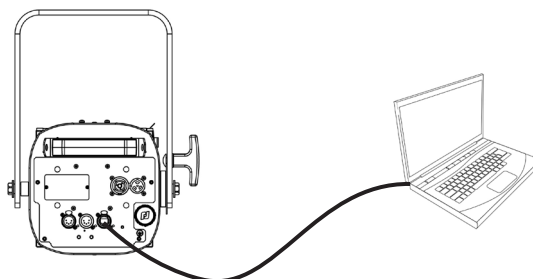
- 1 - If necessary, change IP settings
- 2 - Set Art-Net Universe
- 3 - Set DMX address
- 2 - Set personality mode (see 5.3.4. DMX chart)

5.6 sACN remote control

5.6.1 Protocol: ANSI E1.31 – 2009 sACN (Streaming-ACN)

5.6.2 Configuration:

Set mode through web interface
(see 5.1 Web interface)



- 1 - If necessary, change IP settings
- 2 - Set sACN universe
- 3 - Set DMX address
- 2 - Set personality mode (see 5.3.4. DMX chart)

6.1 Preventive maintenance

6.1.1 Frequency

General maintenance should be performed at least once a year or more frequently if the equipment is operated in adverse conditions (smoke, heat, humidity, touring, etc.).

6.1.2 General cleaning

Remove dust from the unit.

Front glasses can be cleaned with solutions containing alcohol.

6.1.3 General visual check

- No trace of heat.
- No loose contacts.
- No missing parts.
- Tighten mechanical assemblies (screws, bolts and nuts, etc.).

6.1.4 LED source

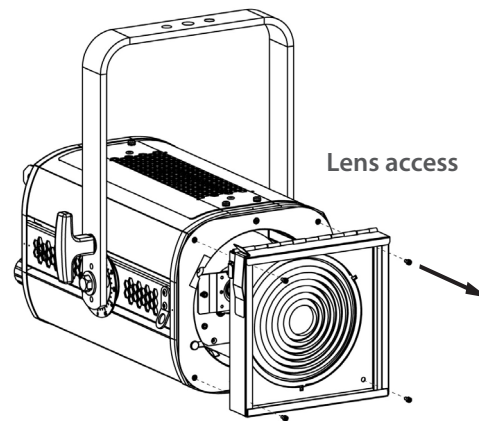


- Do not touch the surface of the LED source (no contact with your hands or any tools).
- Do not put compressed air directly on the source.
- Contact a certified RJ distributor in case of residuals or other objects located on the surface of the LED source.

6.1.5 LED house and lens cleaning

Lens and LED access:

- To clean the lens, use a soft cloth in combination with distilled water or isopropyl alcohol recommended. Do not use any cleaning product that contains solvents or abrasives, as these can cause surface damage.
- Dry with a soft lint-free cloth.
- The front lens and LED source can be accessed by removing the front holder for accessories (use a screwdriver to remove the 4 screws).



6.2 Analysis



In case of problem, contact RJ distributor with the following information:

- Model, version and serial number of the product.
- From the web interface page or RDM network info:
 - Software version
 - LED board IDs
 - Device hours
- Description of the problem.

6.3 Electronic thermal management system

In case of overheating, light intensity will be reduced by the system.
Power reduction and temperature values are available by using a RDM protocol compatible device.

6.4 Firmware update

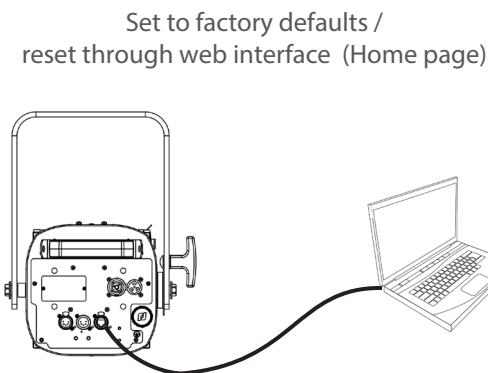
1. Firmware available on www.robertjuliat.com/singlelenslum/SULLY_305L
2. Download and unzip the file
3. Switch on the unit
4. Connect Network from computer to the unit
5. Open a web browser (Internet Explorer, Firefox, Chrome...)
6. Enter the URL address to connect to the web interface (*see 5.1*)
7. Click on "HOME"
8. Upload your firmware file (.upd2) in the "Update firmware" section and then click on "Submit firmware"

6.5 Factory defaults

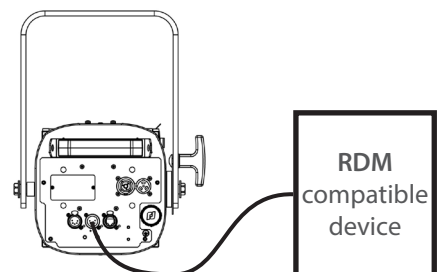
6.5.1 Modes

Mode	Description
Restart	Software reset – all user parameters are kept
Factory defaults	Set all user parameters to factory default value

6.5.2 Control



Set to factory defaults /
reset through RDM protocol



→ If IP address unknown (due to a previous modification), IP address can be read from RDM protocol or a **hard reset** must be done:

The diagram shows the rear panel of the unit with four ports labeled OUT, DMX, IN, and RDM/NETWORK. A dashed line points to a small button labeled "Reset" located between the DMX and IN ports.

While holding down the **reset** button with a paper clip, connect the unit to power and continue to hold the reset button until the 3 status light turn green.
The system is then ready for setup.