PROLIGHTS

EclMini DAT

18W White LED Gallery light, with data control (DMX, DALI T6, knob-dimming)



USER MANUAL

REV.02-01/23

English version

Thank you for choosing PROLIGHTS

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

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

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

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

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

Visit the download area of the product page



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 - OPTIONAL ACCESSORIES 05
DEDICATED ACCESSORIES 05
NORDIC ALUMINUM TRACK 05

3 - TECHNICAL DRAWING 06

4 - TILT RANGE 07

5 - INSTALLATION 08
MOUNTING 08

6 - PRODUCT OVERVIEW 09

7 - CONNECTION TO THE MAINS SUPPLY AND DMX / DALI 10
PROTOCOL SUPPORTED 10

8 - CONTROL PRIORITY ORDER 12

9 - RDM FUNCTIONS 13

10 - DMX CHARTS 16

11 - ACCESSORIES INSTALLATION 17
OPTIC (CODES ECLDISPWASHL1530 / ECLDISPWASHL2550 / MINIECLL / MINIECLTRL - OPTIONAL) 17
BARNDOOR AND FILTER FRAME (CODE ECLMINIBDNFF - OPTIONAL) 18
ANTI-GLARE LOUVRE (CODE ECLMINILOUVRE - OPTIONAL) 19
HALF SNOOT, FULL SNOOT (CODES ECLMINIHSNOOT, ECLMINIFSNOOT - OPTIONAL) 20

12 - MAINTENANCE 21
MAINTENANCE AND CLEANING THE PRODUCT 21
VISUAL CHECK OF PRODUCT HOUSING 21
TROUBLESHOOTING 22

SAFETY INFORMATION



WARNING!

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



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



Connection to mains supply

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



Protection and Warning against electrical shock

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



Installation

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



Minimum distance of illuminated objects

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

T_a45°C

Max operating ambient temperature (Ta)

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

T_a-10°C

Minimum operating ambient temperature (Ta)

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



Protection from burns and fire

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



Indoor use

- This product is designed for indoor and dry environments.
- Do not use in wet location and do not expose the fixture to rain or moisture.
- Never use the fixture in places subject to vibrations or bumps.
- Make certain that no inflammable liquids, water or metal objects enter the fixture.
- Excessive dust, smoke fluid, and particle build up degrades performance, causes overheating and will damage the fixture.
- Damages caused by inadequate cleaning or maintenance are not covered by the product warranty.

T_c70°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.



Photobiological safety

- This device emits potentially dangerous optical radiation and is identified in the category of Risk Group 2 according to EN 62471.



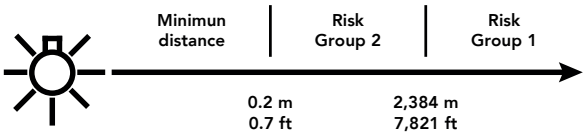
Maintenance

- 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.



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 adistance closer than 2,607 m (8,553 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).

The products to which this manual refers comply with:

- UL 1573 + CSA C22.2 No. 166 - Stage and Studio Luminaires and Connector Strips.
- UL 8750 + CSA C22.2 No.250 13-20 / Clause - 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 MINIECLDAT.
- User Manual.

2 - OPTIONAL ACCESSORIES

DEDICATED ACCESSORIES

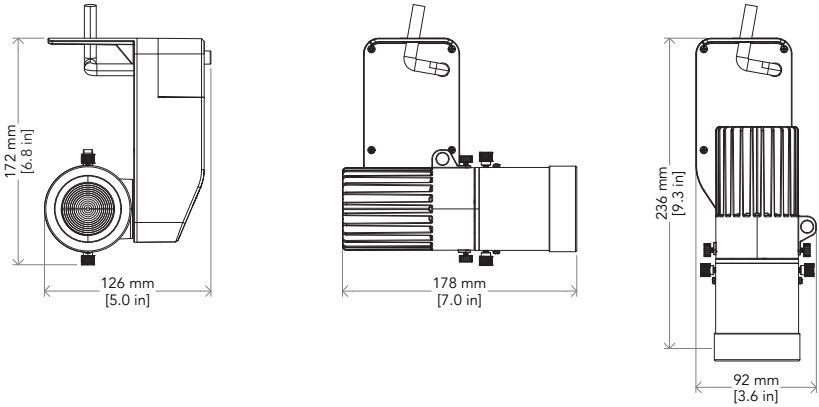
- RSR0630A/B: steel security cable for hanging bodies, inox steel shackle, L=60 cm, silver/black.
- C6002A/B: slim aluminum clamp, 200kg loading, 48-51mm tubes, M10 bolt, silver/black.
- ECLMINIWASHL1530B/W: zoomable Wash Lens 15-30° for EclMini, white/black.
- ECLMINIWASHL2550B/W: zoomable Wash Lens 25-50° for EclMini, white/black.
- MINIECLL19: optics for MINIECL profiler, gobo holder included, 19° beam.
- MINIECLL26: optics for MINIECL profiler, gobo holder included, 26° beam.
- MINIECLL36: MINIECL profiler, gobo holder included, 36° beam.
- MINIECLL50: optics for MINIECL profiler, gobo holder included, 50° beam.
- MINIECLTRL19: optics for MINIECLTR profiler, gobo holder included, 19° beam.
- MINIECLTRL26: optics for MINIECLTR profiler, gobo holder included, 26° beam.
- MINIECLTRL36: optics for MINIECLTR profiler, gobo holder included, 36° beam.
- MINIECLTRL50: optics for MINIECLTR profiler, gobo holder included, 50° beam.
- ECLMINIHSNOOTB/W: half Snoot for EclMini, white/black.
- ECLMINIFSNOOTB/W: full Snoot for EclMini, white/black.
- ECLMINILOUVREB/W: anti-glare louvre for EclMini, white/black.
- ECLMINIBDNFFB/W: barndoor and filter frame (compatible with Wash Lenses) for EclMini, white/black.
- PLCPW93075: power PVC cable H05VV-F 3G0,75, 1 meter lenght.
- PLCDX53D5: 120 Ohm DMX cable, 2 twisted poles, external sheath with reduced diameter, 1 m.
- PLCPD7501P14D: power & DMX 120 Ohm, 1 meter length.
- PLCYA7501P14D YY: splitter cable Power 3x0.75 mm2 + 5p IN/OUT DMX 120 Ohm, bare end, 1 meter.
- UPBOX1UP5: firmware uploader kit, USB IN, 5pin XLR DMX OUT, USB OUT.

NORDIC ALUMINUM TRACK

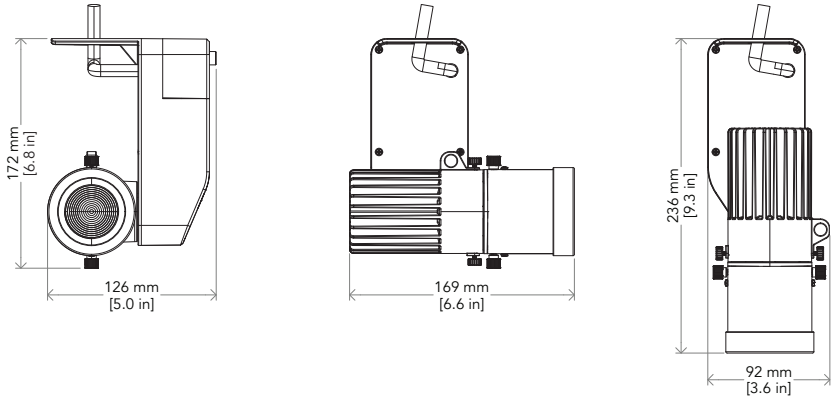
NOTE: the final terms "2" and "3" in the codes indicate the corresponding color variant in black and white respectively.

- NAXTSC61002/3: global Pulse XTSC Lighting Track, 3 circuit DALI, 1000mm, white/black.
- NAXTSC62002/3: global Pulse XTSC Lighting Track, 3 circuit DALI, 2000mm, white/black.
- NAXTSC63002/3: global Pulse XTSC Lighting Track, 3 circuit DALI, 3000mm, white/black.
- NAXTSC64002/3: global Pulse XTSC Lighting Track, 3 circuit DALI, 4000mm, white/black.
- NAXTSC6112/3: global Pulse XTS Connector 3-CCT DALI end feed, earth right, white/black.
- NAXTSC6122/3: global Pulse XTS Connector 3-CCT DALI end feed, earth left, white/black.
- NAXTSC6142/3: global Pulse XTS Connector 3-CCT DALI middle feed, white/black.
- NAXTSC6212/3: global Pulse XTS Connector 3-CCT DALI straight connector, white/black.
- NAXTSC6232/3: global Pulse XTS Connector 3-CCT DALI flexible corner connector, white/black.
- NAXTSNC6342/3: global Pulse XTSN Connector 3-CCT DALI L connector, earth right, white/black.
- NAXTSNC6352/3: global Pulse XTSN Connector 3-CCT DALI L connector, earth left, white/black.
- NAXTSNC6362/3: global Pulse XTSN Connector 3-CCT DALI T connector, earth right/right, white/black.
- NAXTSNC6372/3: global Pulse XTSN Connector 3-CCT DALI T connector, earth left/left, white/black.
- NAXTSNC6382/3: global Pulse XTSN Connector 3-CCT DALI X connector, white/black.
- NAXTSNC6392/3: global Pulse XTSN Connector 3-CCT DALI T connector, earth right/left, white/black.
- NAXTSNC6402: global Pulse XTSN Connector 3-CCT DALI T connector, earth left/right, white/black.
- NAXTS412/3: global Pulse XTS Connector 3-CCT DALI END cap, white/black.
- NAXTSA682/3: global Pulse 3-Circuit MULTI Adapter, 10A 100N Slot connection, white/black.
- NAGAC6002/3: global Pulse DMX/DALI 3-Circuit Adapters, 10A 100N Slot connection, white/black.
- NASPW12SK215M: global Pulse Track clip wire suspension set 1.5m, 150N, black.
- NASPW12SK25M: global Pulse Track clip wire suspension set 5m, 150N, black.
- NASPW12SK315M: global Pulse Track clip wire suspension set 1.5m, 150N, white.
- NASPW12SK35M: global Pulse Track clip wire suspension set 5m, 150N, white.
- NAXTSA57129: global Pulse Rotating Nipples 3-Circuit Adapters, M10, H 12mm, D 7,4mm.
- NAXTSA55129: global Pulse Rotating Nipples 3-Circuit Adapters, M13, H 12mm, D 9mm.
- NAGAM109: global Pulse Nut M10 for NAXTSA57129.
- NAGAM139: global Pulse Nut M13 for NAXTSA55129.
- NASKB122: global Pulse Track Mounting Clamp for Rod and Wire, 200N, white/black.

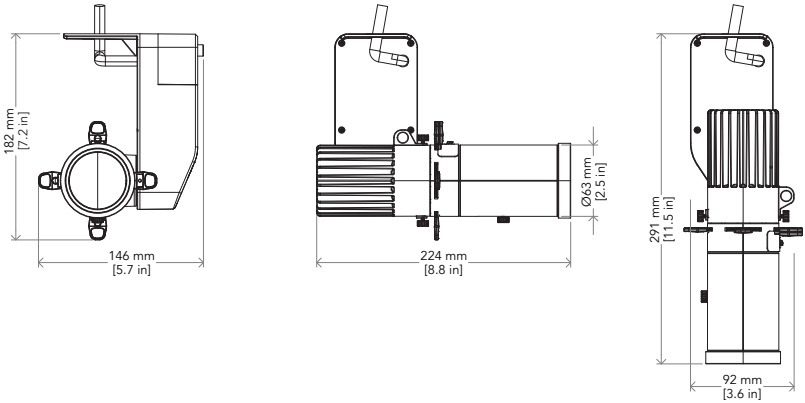
3 - TECHNICAL DRAWING



Weight: 1,76 kg - 3,88 lbs *ECLMINIDAT with ECLDISPWASHL1530*



Weight: 1,75 kg - 3,86 lbs *ECLMINIDAT with ECLDISPWASHL2550*



Weight: 1,93 kg - 4,25 lbs *ECLMINIDAT with MINIECLL*

Fig. 01

4 - TILT RANGE

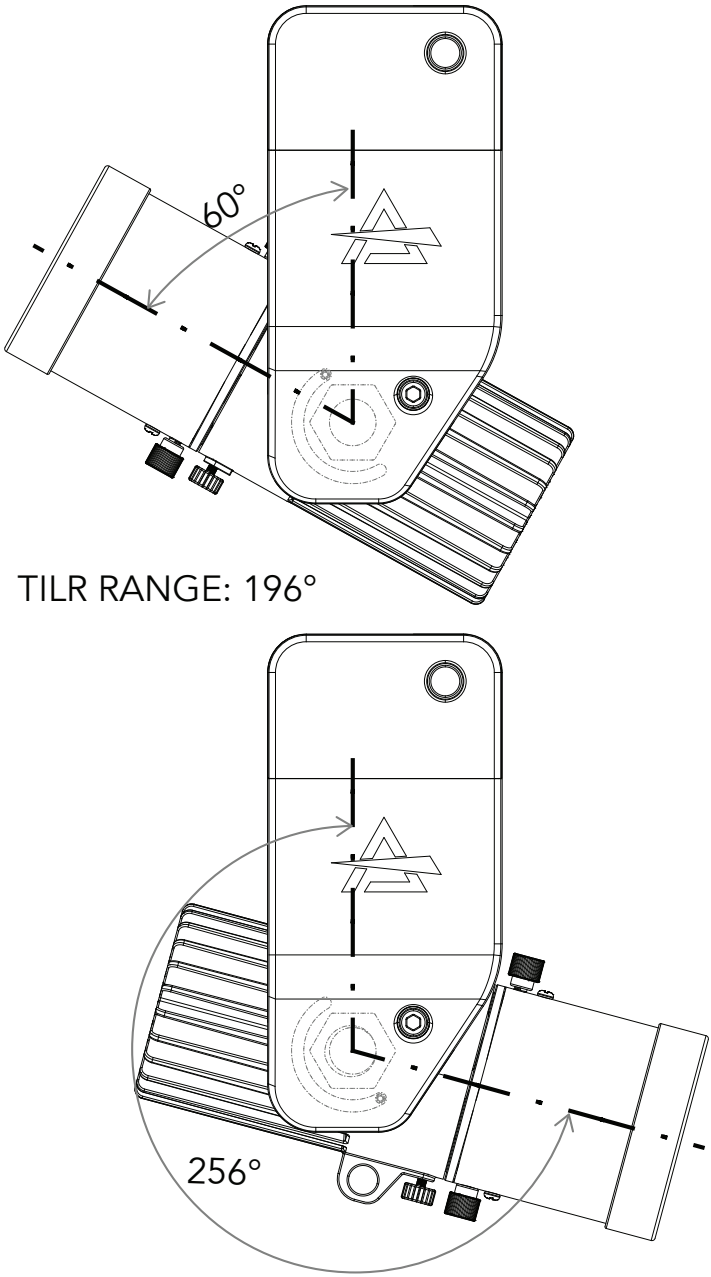


Fig. 02

5 - 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.

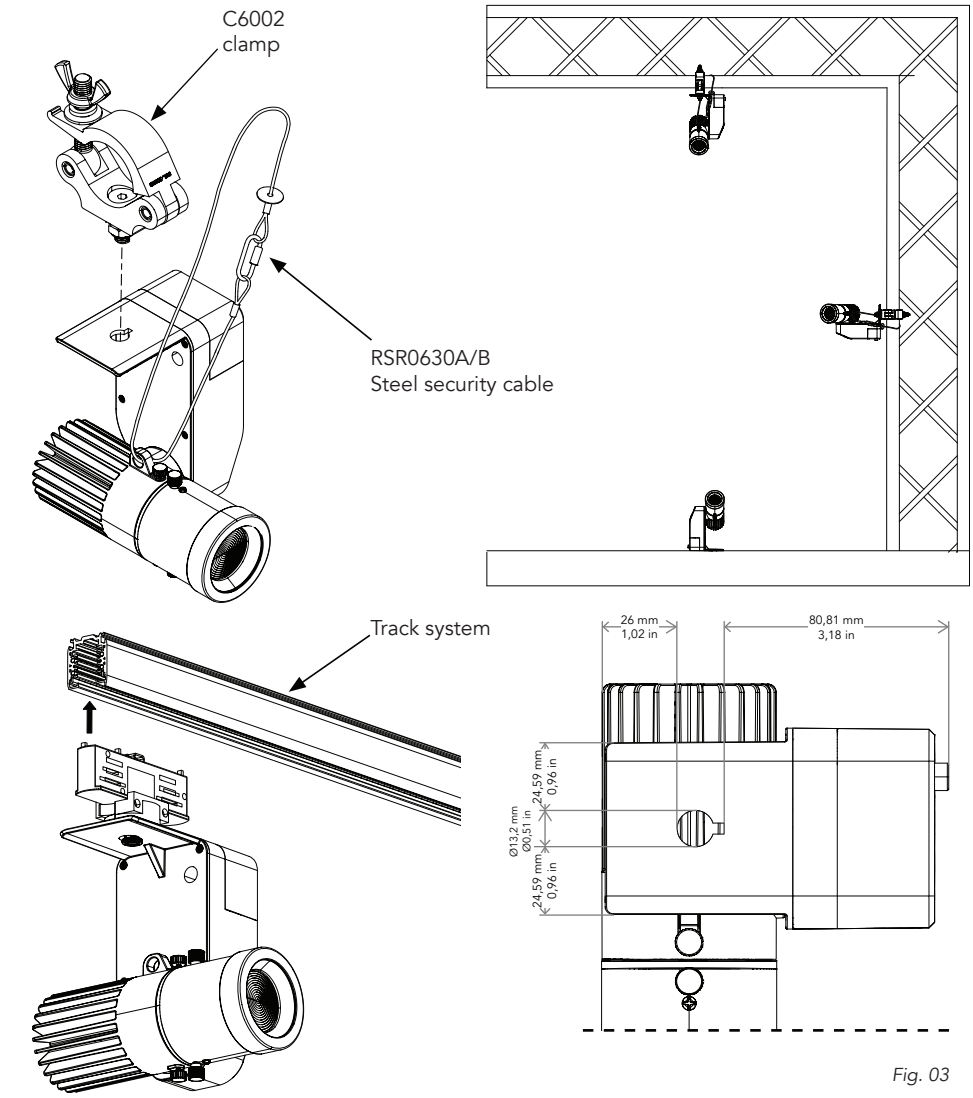


Fig. 03

6 - PRODUCT OVERVIEW

1. SAFETY EYE to attach safety cable.
2. KNOB for releasing and locking the optic.
3. KNOB for releasing and locking the optic and for zoom.
4. OPTIC (accessory not included, in the figure ECLDISPWASHL1530).
5. RUBBER RING (accessory included in the optic box).
6. KNOB dimming.
7. PLASTIC CAP for access to connections.
8. LOCK TILT.
9. PLASTIC ARM COVER.

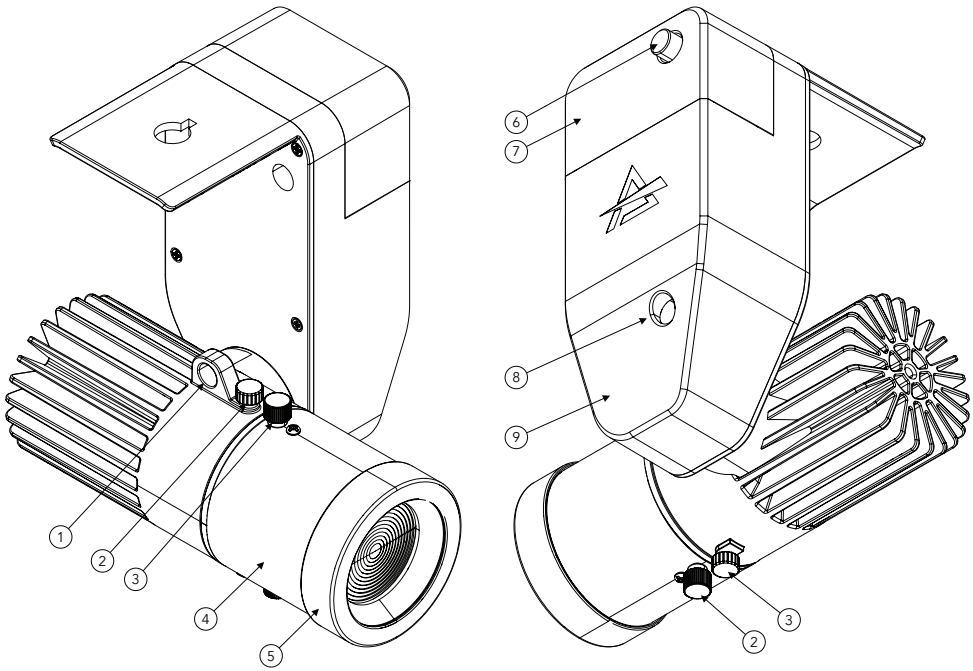


Fig. 04

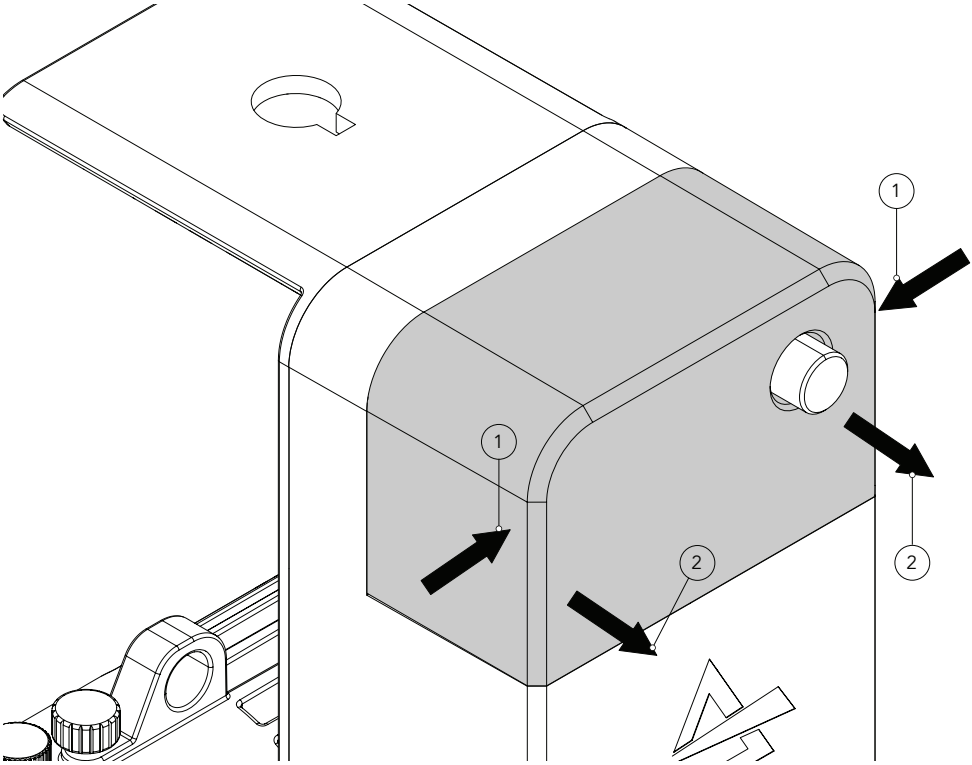
7 - CONNECTION TO THE MAINS SUPPLY AND DMX / DALI

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 22W.

PROTOCOL SUPPORTED
This fixture supports protocols as indicated in the following table.

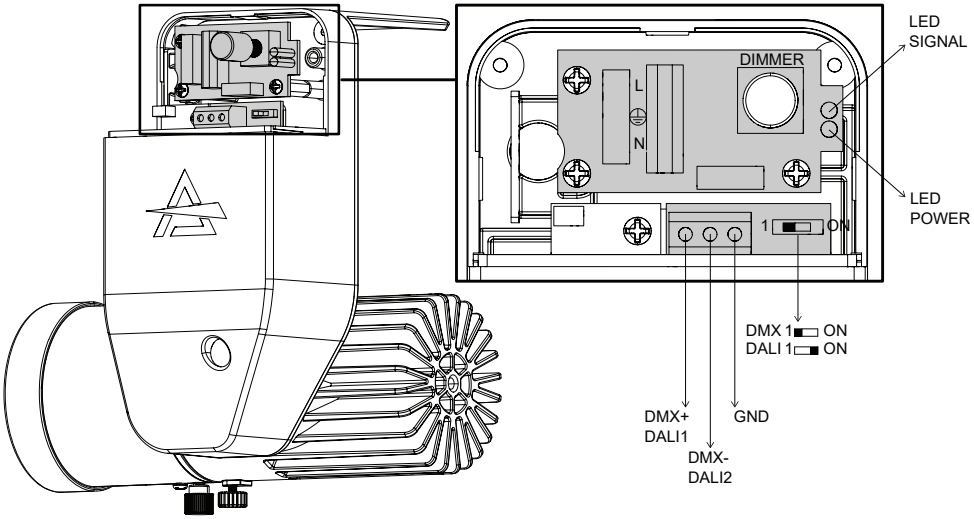
DMX	RDM	DALI
DMX 512	RDM over DMX	DT-6

1

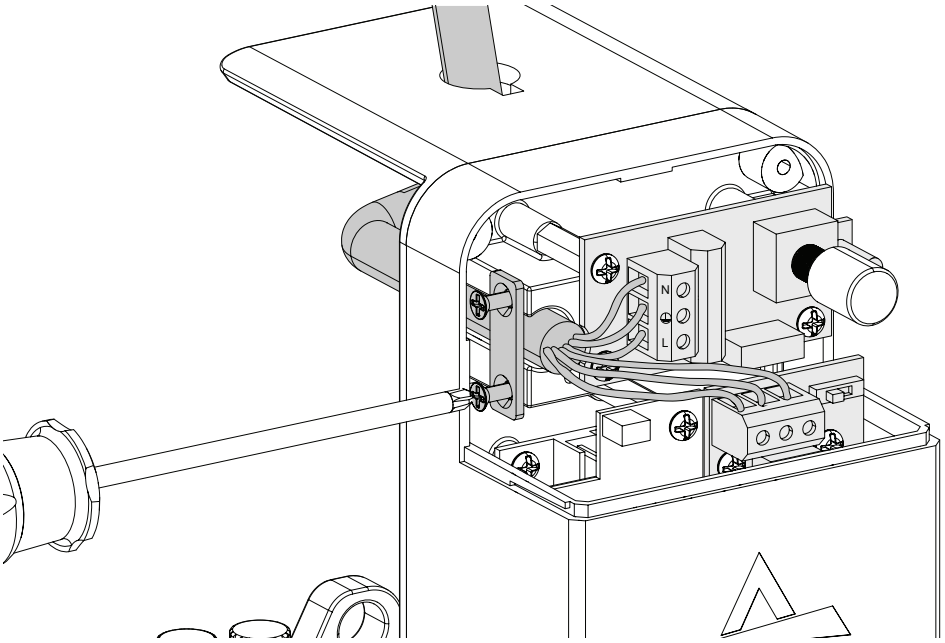


Press on the sides of the plastic cap (1) and remove it (2).

2



3



Only SJ, SJO, SJT. or other wires can be allowed to use, the customer must be assure that it can also meet the 156N tension test their connection.

Fig. 05

8 - CONTROL PRIORITY ORDER

The control with higher priority defines the maximum dimming level of the successive inputs.
There is an dip switch to rapidly change between DALI or DMX (though DMX is set as default).

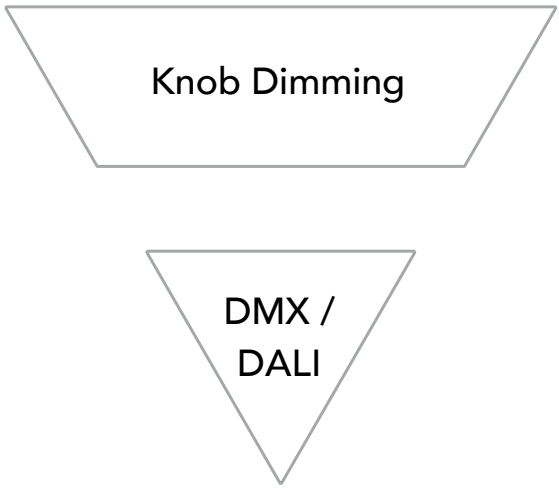


Fig. 06

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.

Product	Model ID	Mode IDs
ECLMINIDAT	D076	UNO: 1
		BASIC: 2
		STANDARD: 3
		EXTENDED: 4

The PIDs in the following tables are supported in the product.

Category	Parameter	PID	GET	SET
Product Information	DEVICE_INFO	0x0060	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
	SOFTWARE_VERSION_LABEL	0x00C0	x	
DMX512 Setup	DMX_PERSONALITY*	0x00E0	x	x
	DMX_PERSONALITY_DESCRIPTION	0x00E1	x	
	DMX_START_ADDRESS*	0x00F0	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_ON_MODE	0x0404	x	x
	DEVICE_POWER_CYCLES	0x0405	x	x

Control	IDENTIFY_DEVICE	0x1000	x	x
	IDENTIFY_MODE	0x1040	x	x
Special PIDs**	0:BLACKOUT,1:HOLD,2:STAND ALONE	0x82DD	x	x
	0:MST DMX 1:MST NO DMX 2:SLAVE	0x8211	x	x
	STATIC DIMMER:000~255	0x8207	x	x
	STATIC STROBE:000~020	0x8208	x	x
	WHITE CALIBRATION:125~255	0x82C6	x	x
	CURRENT HOURS	0x82C5	x	
	POWER CONSUMPTION:AC~220V	0x82DE	x	
	MAINTENANCE TIME:ALERT PERIOD	0x82DF	x	
	MAINTENANCE TIME:ELAPSED TIME	0x82E0	x	x
	CLEAN ALL DATA 0:NO,1:YES	0x82C8	x	x
	MIN KNOB LEVEL (0-255)	0x82FD	x	x

NOTE: for the functions marked with a final asterisk (*) refer to the tables on the following page.

NOTE: the terms shown in **BOLD** indicates the default settings.

	MENU*		
1	DMX_START_ADDRESS	**001** - 512	
2	DMX_PERSONALITY	0:UNO	*To choose the DMX mode.*
		1:BASIC	
		2:STANDARD	
		3:EXTENDED	
3	CURVE	0:LINEAR	*To choose the dimmer curve.*
		1:S-CURVE	
		2:SQUARE LAW	
		3:INVERSE SQUARE LAW	
4	OUTPUT_RESPONSE_TIME	**0:AUTO**	*To choose the dimmer speed.*
		1:FAST	
		2:MEDUIM	
		3:SLOW	
5	MODULATION_FREQUENCY	0:600Hz	*Select PWM frequency.*
		1:1200Hz	
		2:2000Hz	
		3:4000Hz	
		4:6000Hz	
		5:25kHz	

	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	STATIC DIMMER	(000 ÷ **255**)	*To choose the dimmer channel value for Stand Alone mode.*
4	STATIC STROBE	(**000** ÷ 020)	*To choose the strobe channel value for Stand Alone mode.*
5	WHITE CALIBRATION	(125 ÷ 255)	*Max value of white color intensity.*
6	CURRENT HOURS	(00000-65535)	*Shows fixture hours.*
7	POWER CONSUMPTION(AC 220V)		*Shows fixture's power consumption.*
8	MAINTENANCE TIME	(ALERT PERIOD:10 ÷ **300**)	*To set maintenance time alert period*
9	MAINTENANCE TIME	(ELAPSED TIME:00-ALERT PERIOD)	*Shows elapsed tiime to alert period.*
10	CLEAN ALL DATA	**0:NO**	*Complete reset of the fixture.*
		1:YES	

10 - DMX CHARTS

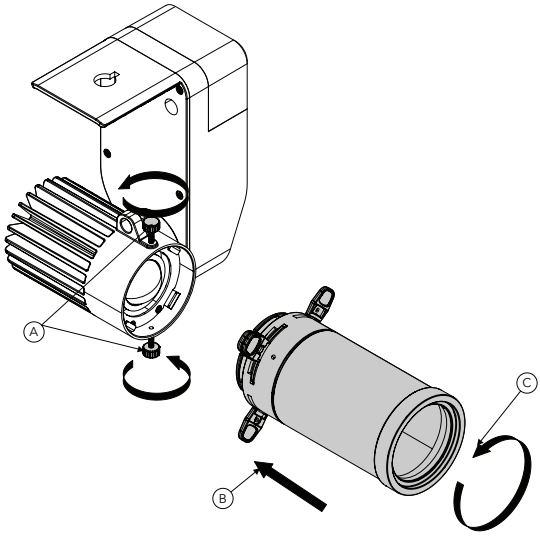
Channel	UNO	BASIC	STANDARD	EXTENDED
1	DIMMER	DIMMER	DIMMER	DIMMER
2		DIMMER FINE	DIMMER FINE	DIMMER FINE
3			STROBE	STROBE
4				CONTROL

UNO	BASIC	STANDARD	EXTENDED	Function	DMX Value	Default
1	1	1	1	**DIMMER** Lineary from close to open	000 ÷ 255	000
	2	2	2	**DIMMER FINE** Lineary from close to open	000 ÷ 255	000
		3	3	**STROBE** Close Strobe from slow to fast Open Pulse in from slow to fast Open Pulse out from slow to fast Open Randon 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	**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 SLOW LED FREQUENCY 600HZ LED FREQUENCY 1200HZ LED FREQUENCY 2000HZ LED FREQUENCY 4000HZ LED FREQUENCY 6000HZ LED FREQUENCY 25KHZ STAND ALONE MASTER DMX STAND ALONE MASTER NO DMX STAND ALONE SLAVE DMX FAULT HOLD DMX FAULT BLACKOUT DMX FAULT STAND ALONE Reserved FACTORY DEFAULT OF CONTROL FUNCTIONS	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 ÷ 253 254 ÷ 255	000

11 - ACCESSORIES INSTALLATION

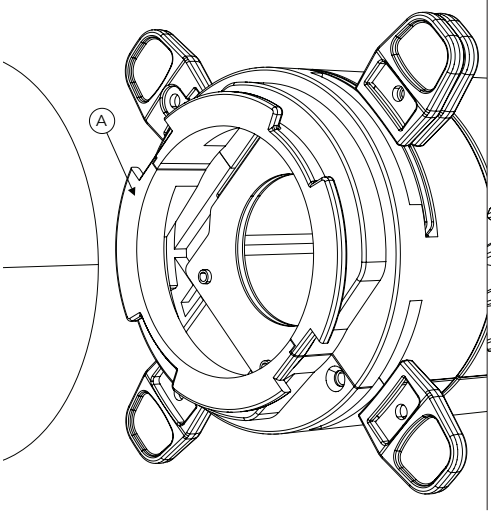
OPTIC (CODES ECLDISPWASHL1530 / ECLDISPWASHL2550 / MINIECLL / MINIECLTRL - OPTIONAL)
NOTE: the mounting procedure described below is the same for all lenses.

1

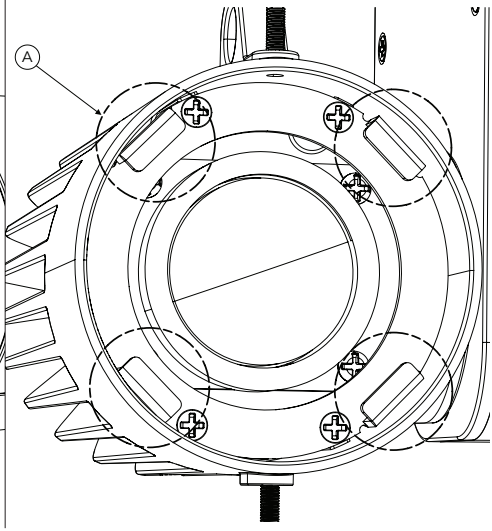


Loosen the two marked knob (A) of the ECLMINIDAT.

2



3

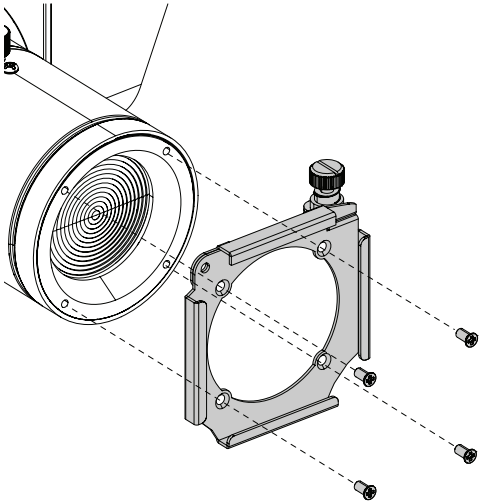


Insert the optic (1-B) and rotate it (1-C) so the marked grooves (2-D) of the optic coincides with the four marked flaps of the unit (3-A).

Fig. 07

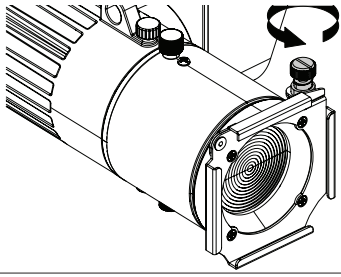
BARNDOOR AND FILTER FRAME (CODE ECLMINIBDNFF - OPTIONAL)

1

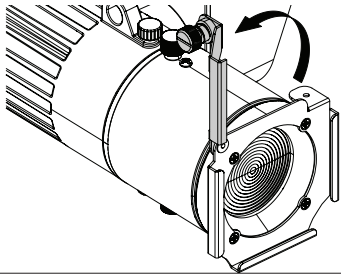


Insert the filter frame mounting the four marked screws into the holes provided on the optic.

2

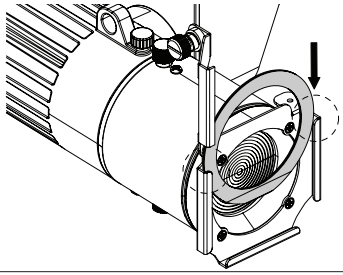


3

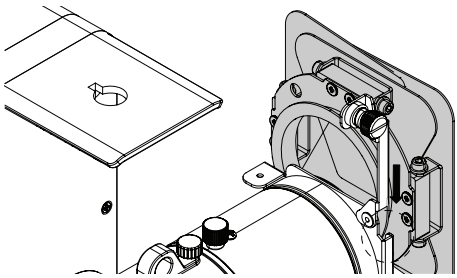


Rotate the marked knob of the filter frame (2) and and move the marked rod upwards (3).

4

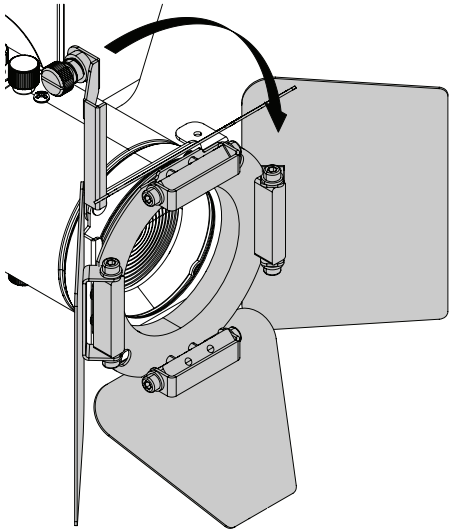


5



Insert the holder from above throught the track (4). Then insert the barn door (5).

6



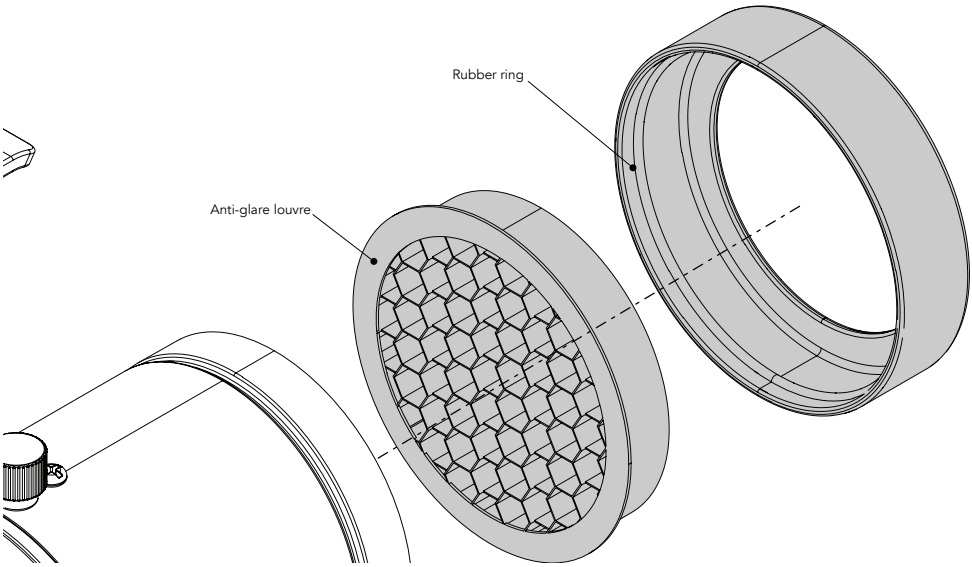
Move the marked rod down (6).

Fig. 08

ANTI-GLARE LOUVRE (CODE ECLMINILOUVRE - OPTIONAL)

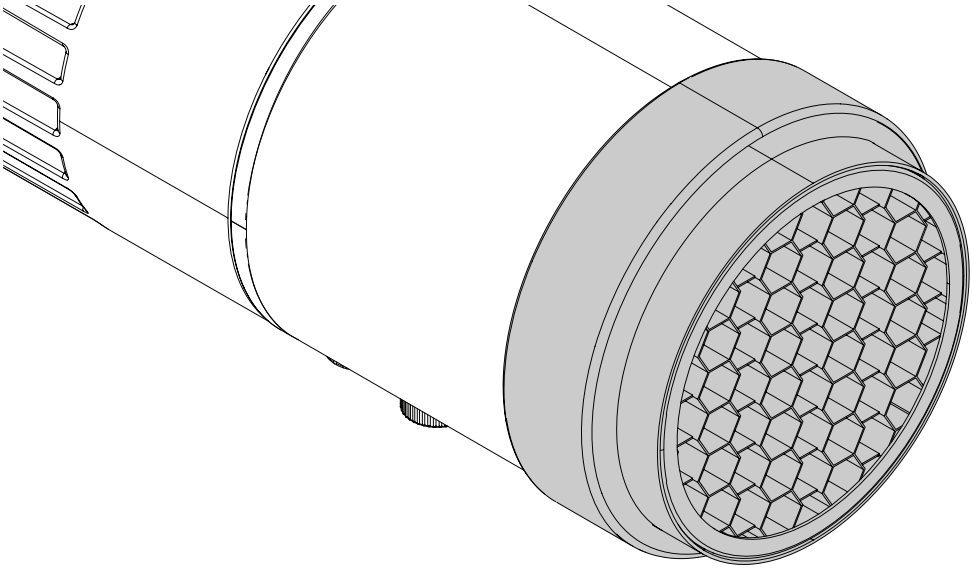
NOTE: the rubber ring can also be used to fix a filter with a maximum diameter of 79 mm.

1



Insert the anti-glare louvre or a filter of maximum size of Ø50 mm into the rubber ring.

2

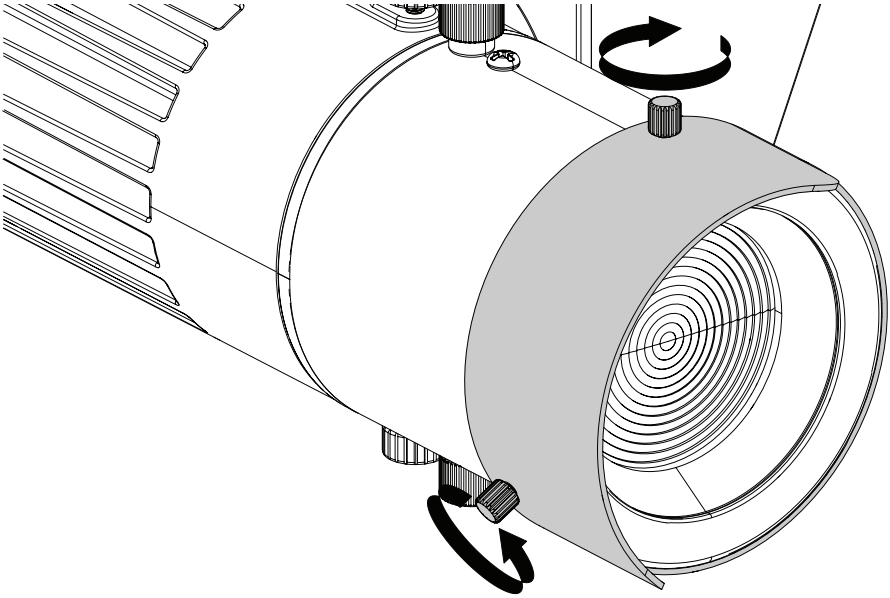


Mount the anti-glare louvre with the rubber ring on the optic.

Fig. 09

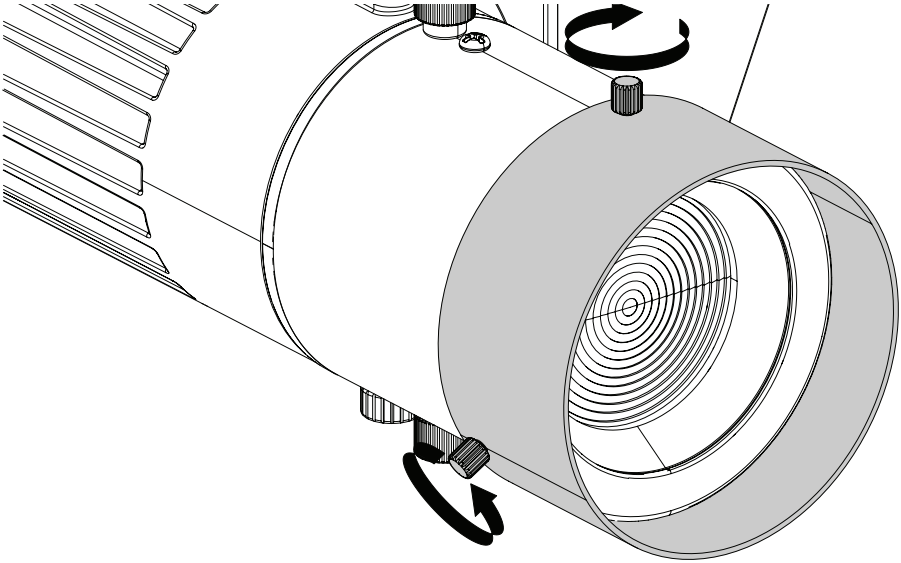
HALF SNOOT, FULL SNOOT (CODES ECLMINIHSNOOT, ECLMINIFSNOOT - OPTIONAL)

1



Loosen the three marked knob. Insert the half snoot on the optic and tighten the knobs in the egraved ring.

2



Loosen the three marked knob. Insert the full snoot on the optic and tighten the knobs in the egraved ring.

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.

- 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.
Product reset correctly but does not respond correctly to the contoller.	• Bad signal connection	• Inspect connections and cables. Fix eventual bad connections. Repair or replace damaged cables.
	• Signal connection not terminated	• Insert DMX termination plug in signal output socket of the last product on the signal line.
	• Incorrect addressing of the product	• Check the product address and control settings
	• One of the product is defective and is corrupting the signal transmission on the signal line	• Unplug the XLR in and out connectors and connect them directly together to bypass one product at a time until normal operation is regained. Once found the error, have that fixture serviced by a qualified technician.
Timeout error after fixture reset.	• One or more hardware • components requires • mechanical adjustments	• Check product stored error messages for more information. Contact PROLIGHTS Service or an authorized service partner.
Mechanical effect loses position	• Mechanical hardware require cleaning, adjustment or lubrification	• Check product stored error messages for more information. Contact PROLIGHTS Service or an authorized service partner.
Light output turn OFF Intermittently	• Fixture is too hot	• Check product stored error messages. • Allow product to cool. • Clean the product and airflow filters. • Reduce ambient temperature.
	• Hardware failure (temperature sensor, fans, Light source...)	• Check product stored error messages for more information. Contact. PROLIGHTS Service or an authorized service partner.
General low light intensity	• Dirty lens assembly • Dirty or damaged filters	• Clean the fixture regularly. • Install lens assembly properly.

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

Note

Note

PROLIGHTS is a trademark of
MUSIC & LIGHTS S.r.l.
musiclights.it

Via A.Olivetti snc
04026 - Minturno (LT) ITALY
Tel: +39 0771 72190

prolights.it
support@prolights.it