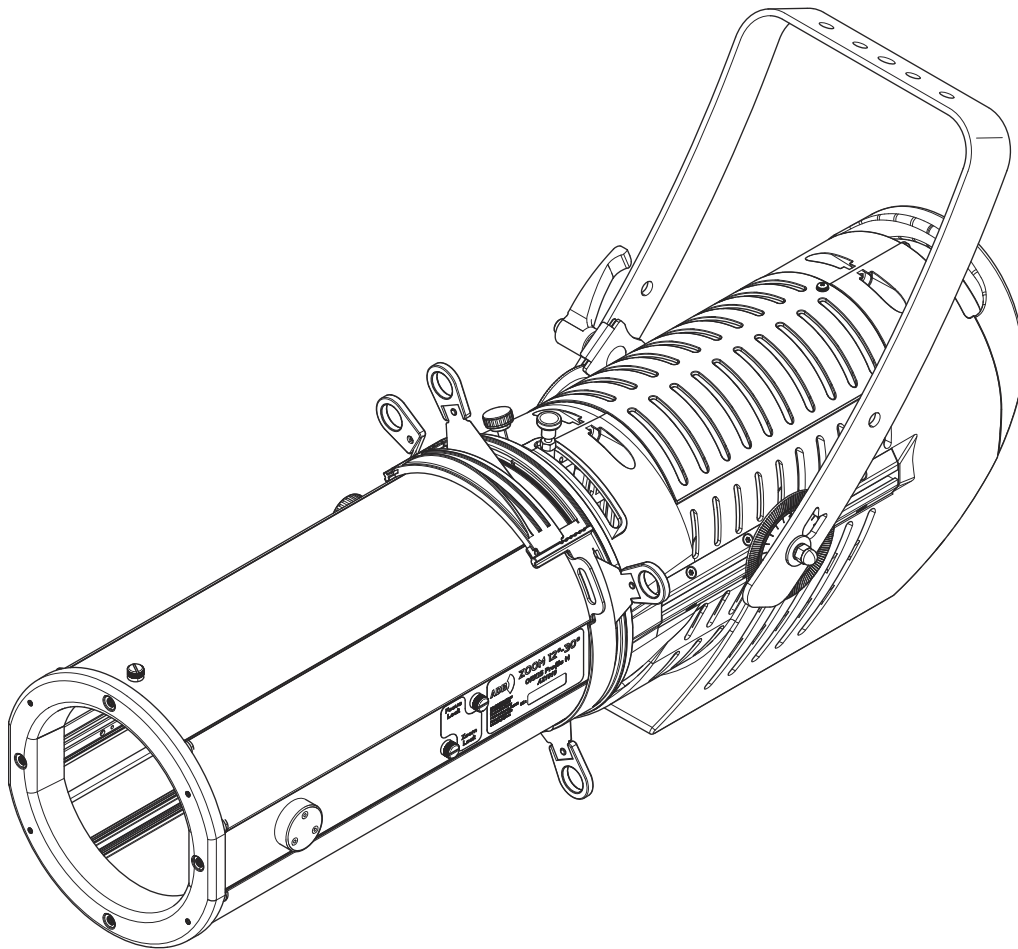**ADB** STAGELIGHT
AN OSRAM BUSINESS

ORKIS

INSTRUCTION MANUAL

ORKIS PROFILE M

Congratulations on choosing an ADB product! We thank you for your custom.
Please note that this fixture - like all the others in the wide ADB range - has been designed and made with total quality assurance to ensure excellent performance and best meet your expectations and requirements.

INDEX

1. SAFETY INFORMATION

EN How to get your SAFETY INSTRUCTIONS in multilingual version.
You may always download the multilingual Safety Instruction manual for this ADB product from:
www.adbstagelight.com
Rif: FIS01N - Safety Information ORKIS series

IT Come ottenere le INFORMAZIONI DI SICUREZZA nella versione multilingue.
Puoi sempre scaricare la versione multilingue delle Informazioni di Sicurezza per questo prodotto ADB al seguente link:
www.adbstagelight.com
Rif: FIS01N - Safety Information ORKIS series

DE So erhalten Sie Ihr INFORMATIONEN ZUR SICHERHEIT in der mehrsprachigen Version.
Sie können die mehrsprachige Version des Handbuchs mit Sicherheitshinweisen für dieses ADB Produkt unter folgendem Link herunterladen:
www.adbstagelight.com
Rif: FIS01N - Safety Information ORKIS series

ES Cómo obtener tu INFORMACIONES DE SEGURIDAD en la versión multilingüe.
Siempre puedes descargar la versión multilingüe del Manual de Instrucciones de Seguridad para este producto ADB en el siguiente enlace.
www.adbstagelight.com
Rif: FIS01N - Safety Information ORKIS series

FR Comment obtenir votre CONSIGNES DE SÉCURITÉ dans la version multilingue.
Vous pouvez toujours télécharger la version multilingue du Manuel d'Instructions de Sécurité pour ce produit ADB au lien suivant :
www.adbstagelight.com
Rif: FIS01N - Safety Information ORKIS series

RU Где достать ИНСТРУКЦИЮ ПО ТЕХНИКЕ БЕЗОПАСНОСТИ на нескольких языках.
Вы всегда можете скачать многоязычную инструкцию по технике безопасности для данного изделия ADB по ссылке:
www.adbstagelight.com
Rif: FIS01N - Safety Information ORKIS series

Warning:

Please keep this Instruction Manual for future consultation. If you sell the unit to another user, be sure that they also receive this instruction manual.

· Unpack and check carefully there is no transportation damage before using the unit.
· The unit is for indoor use only. Use only in a dry location.
· The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces. Be sure that no ventilation slots are blocked.
· Disconnect main power before replacement or servicing.
· Make sure there are no flammable materials close to the unit while operating as it is fire hazard.
· Use safety cable when fixes this unit (Optional 105041/001). Handle the unit by taking its plastic handle or the metal yoke.
· Turn off the power and allow about 15 minutes for the unit to cool down before replacing or serving.
· In the event of serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.
· DO NOT touch any wire during operation as high voltage might be causing electric shock.
· To prevent or reduce the risk of electrical shock or fire, do not expose the unit to rain or moisture.
· DO NOT open the unit within five minutes after switching off.
· The housing, the lenses, must be replaced if they are visibly damaged.

Caution:

There are no user serviceable parts inside the unit. DO NOT open the housing or attempt any repairs yourself. In the unlikely event your unit may require service, please contact your nearest dealer.

Installation:

The unit should be mounted via its screw holes on the bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. And make sure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the unit's weight. Also always use a safety cable that can hold 12 times of the weight of the unit when installing the fixture.
The equipment must be fixed by professionals. And it must be fixed at a place where is out of the touch of people and has no one pass by or under it.

2. TECHNICAL SPECIFICATIONS

ELECTRICAL
- Power supply: electronic auto-ranging
- Input voltage range: 110-240Vac 50/60 Hz
- Max power consumption: 300 VA at 230V/50Hz
- Max 5 units, Max 1500VA

POWER CONNECTION
- Power Power input: Neutrik powerCON TRUE 1 Inlet
- Power Power thru: Neutrik powerCON TRUE 1 Outlet

DATA CONNECTION
- Control protocols: DMX512 / RDM / sACN Art-Net 4
- Wireless DMX control: W-DMX™ system available as an option
- Data IN connector: Neutrik 5 pins XLR + RJ45
- Data OUT connector: Neutrik 5 pins XLR

MECHANICAL SPECS
- Painting: black with epoxidic powder
- Net Weight Body: 9.5 Kg
- Net Weight Zoom 12° - 30° : 7 Kg
- Net Weight Zoom 22° - 50° : 6 Kg
- Body Packed weight: 12.5 Kg
- Body: die-casted aluminium
- Cooling system: automatic fan with variable speed
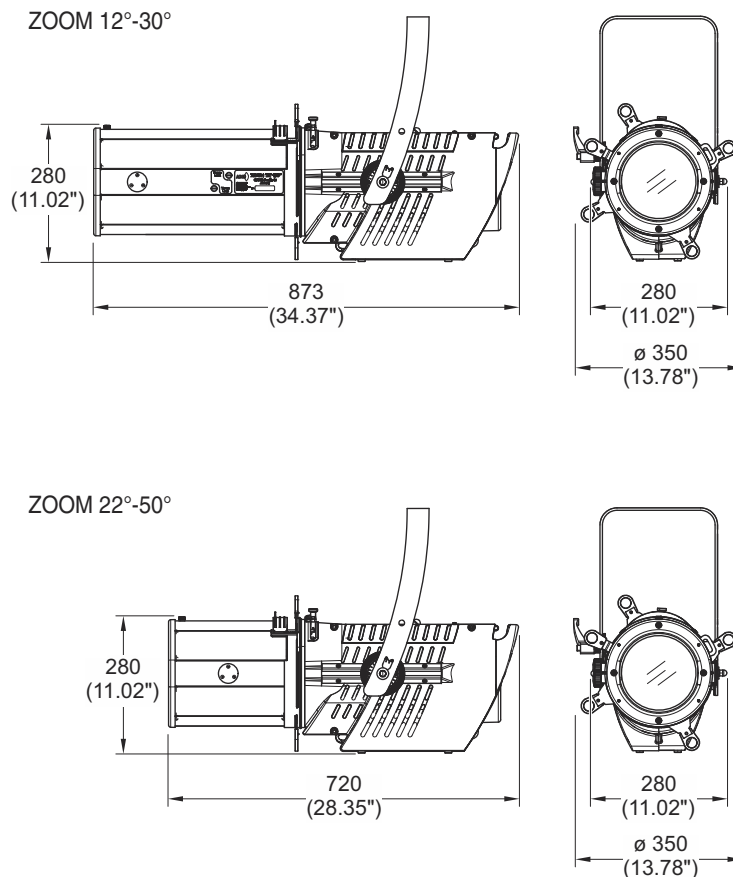- IP protection rate: IP20

FUNCTIONAL DATA
- Tungsten mode, to replicate the behavior of a tungsten lamp during dimming from 0 to 100% and vice versa, including color temperature change.
- Tint correction: +/- green/magenta adjustments.
- 16-bit ultra-smooth dimming, with different dimming curves available.
- Wide color gamut and extended spectrum, including deep blue and deep red.
- Smooth color transition through different time, cross-fade and path options, and a gamma correction system.
- Color control: Hue Saturation Luminosity (HSL), CMY, RGB and RAW modes fully exploit the potential of the six-color system; more than 80 Digital filters (Color macros) which reproduce the spectrum of gel filters with tungsten bulbs.
- High color stability and accuracy, also in tungsten mode, thanks to a high resolution driver.
- Fixture to fixture color repeatability, thanks to tight wavelength binning selection and 100% fixture calibration.
- Flicker-free, thanks to PWM frequency adjustment from 1 KHz to 50 KHz (10 Hz steps).
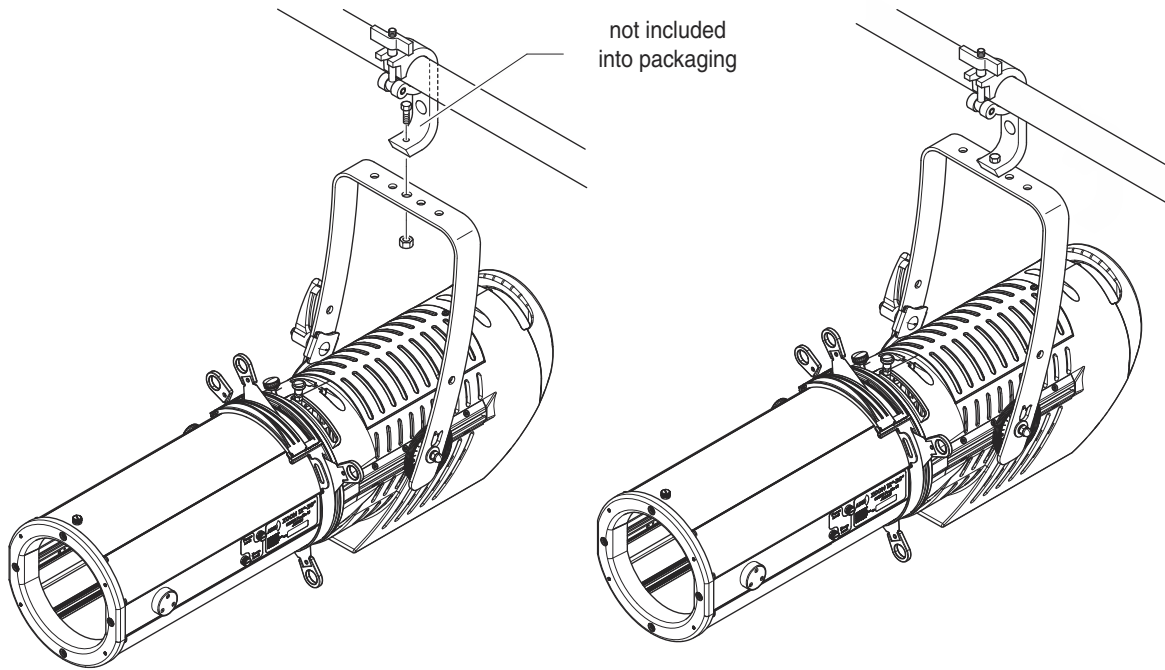
OPTICAL SPECS
- Source: 16 HCR Exclusive LED module featuring six colors: Red + Green + Blue + Cyan + Amber + Lime
- Color temperature: Variable white ranging from 2500K to 8000K, with perfect CCT following the Planck curve
- CRI above 97 throughout the entire CCT (up to 99)
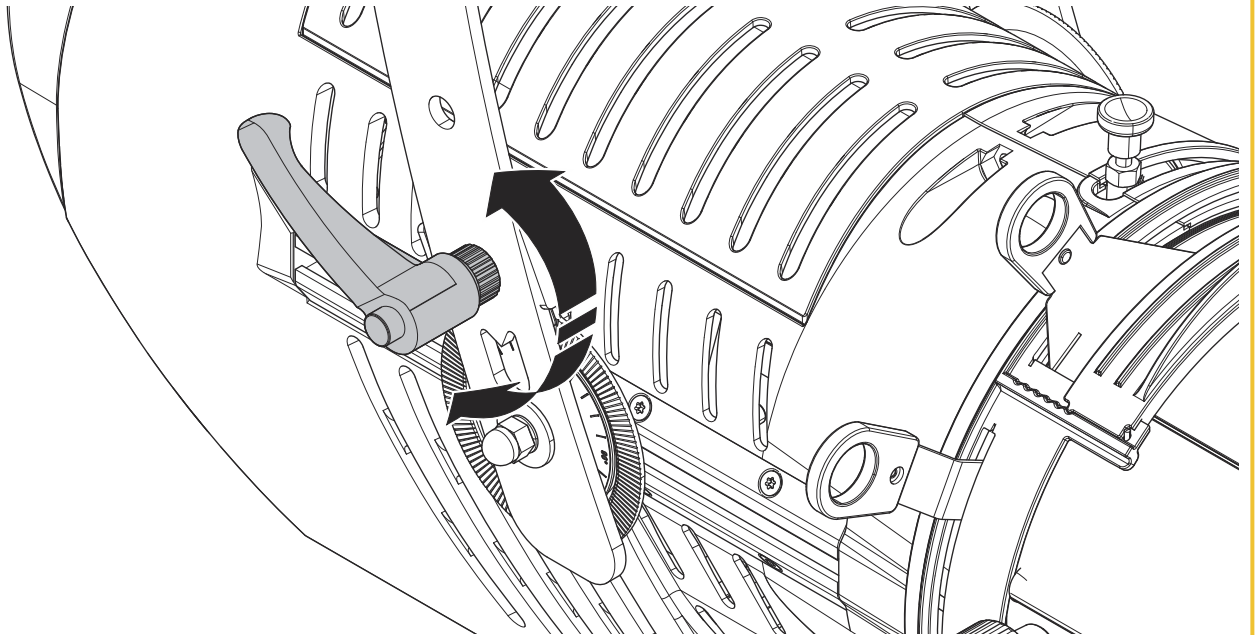- Optics: Zoom 12° - 30° & Zoom 22° - 50°

1

ZOOM 12°-30°

280
(11.02")

873
(34.37")

280
(11.02")

ø 350
(13.78")

ZOOM 22°-50°

280
(11.02")

720
(28.35")

280
(11.02")

ø 350
(13.78")

2.1   Lamp Hook Installation

2

not included
into packaging

Attach the clamp using the screw to the lamp hanger of the fixture as shown above, and fasten the screw.

3

Lose the tilting knobs, leaving the fixture free to be tilted.

3. HOW TO SET THE UNIT

3.1 Control panel

1. Display
2. Linear potentiometer
3. Ethernet Input
4. DMX output
5. Powercon output
6. Powercon input
7. Fuse 1 (FUS00B)
8. Fuse 2 (FUS00B)
9. Linear potentiometer
10. Linear potentiometer
11. USB input (only for firmware upgrade)
12. DMX input

3.1.1 Fixture overview

Zoom Lock/Unlock

Zoom rotation Lock/Unlock

Accessories slot

Moving blades (Grey)
Blades lock (Red)

Zoom adjustement and lock

Focus adjustement and lock

Knob for opening
the cover in case
of maintenance

Knob for opening
the cover in case
of maintenance

Handle for
fixing and
transport

Handle for
transport

Safety chain (body)

Sliding handle

Safety chain (zoom)

Safety chain for additional blade

Magnetic plate for additional blade

Zoom lock for transport

Focus lock for transport

Hook for safety chain (zoom)

Hook for safety chain (body)

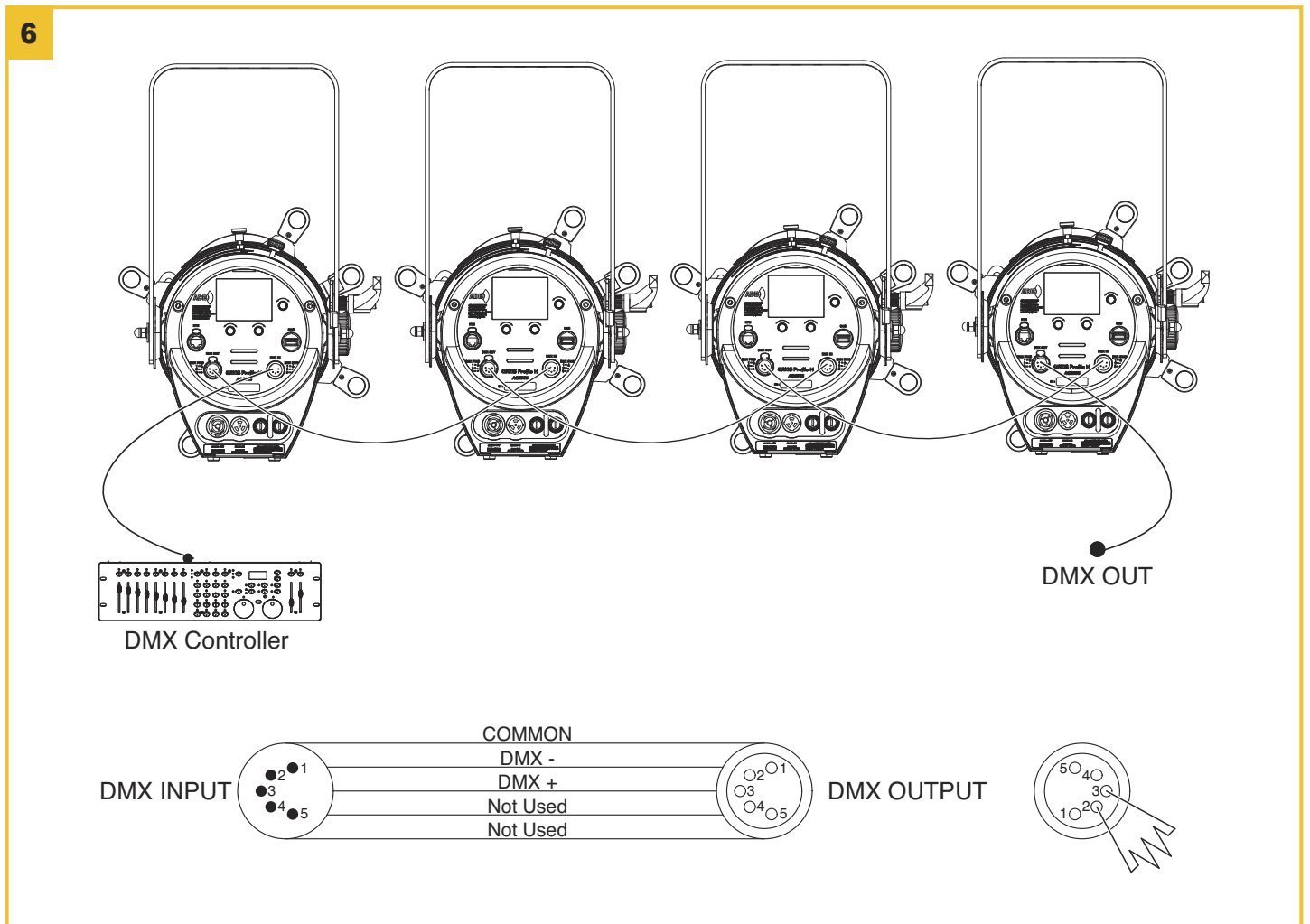## 3.2 Main Functions

see Orkis Profile M UserMenu

4. HOW TO CONTROL THE UNIT

4.1   DMX 512 Configurations

see Orkis Profile M DMXChannels

5. DMX 512 CONNECTIONS

The DMX512 is widely used in intelligent lighting control, with a maximum of 512 channels.

6

DMX OUT

DMX Controller

	COMMON	
DMX INPUT	DMX -	DMX OUTPUT
	DMX +	
	Not Used	
	Not Used	

1. Use a cable conforming to specifications EIA RS-485: 2-pole twisted, shielded, 120Ohm characteristic impedance, 22-24 AWG, low capacity. Do not use microphone cable or other cable with characteristics differing from those specified. The end connections must be made using XLR type 5-pin male/female connectors. A terminating plug must be inserted into the last projector with a resistance of 120Ohm (minimum 1/4 W) between terminals 2 and 3.
    IMPORTANT: The wires must not make contact with each other or with the metal casing of the connectors. The casing itself must be connected to the shield braid and to pin 1 of the connectors.
2. Connect the fixture together in a "daisy chain" by XLR plug cable from the output of the fixture to the input of the next fixture. The cable cannot be branched or split to a "Y" cable. Inadequate or damaged cables, soldered joints or corroded connectors can easily distort the signal and shut down the system.
3. The DMX output and input connectors are pass-through to maintain the DMX circuit when one of the units' power is disconnected.
4. Each lighting fixture needs to have an address set to receive the data sent by the controller. The address number is between 1-512.
5. 5 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+), Pin4, Pin5 not used
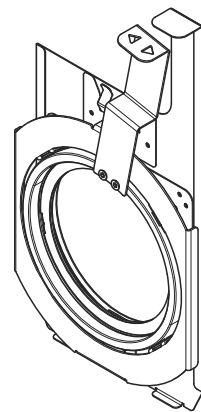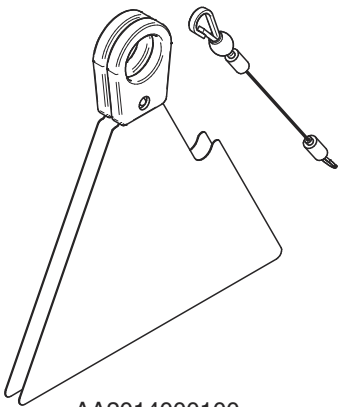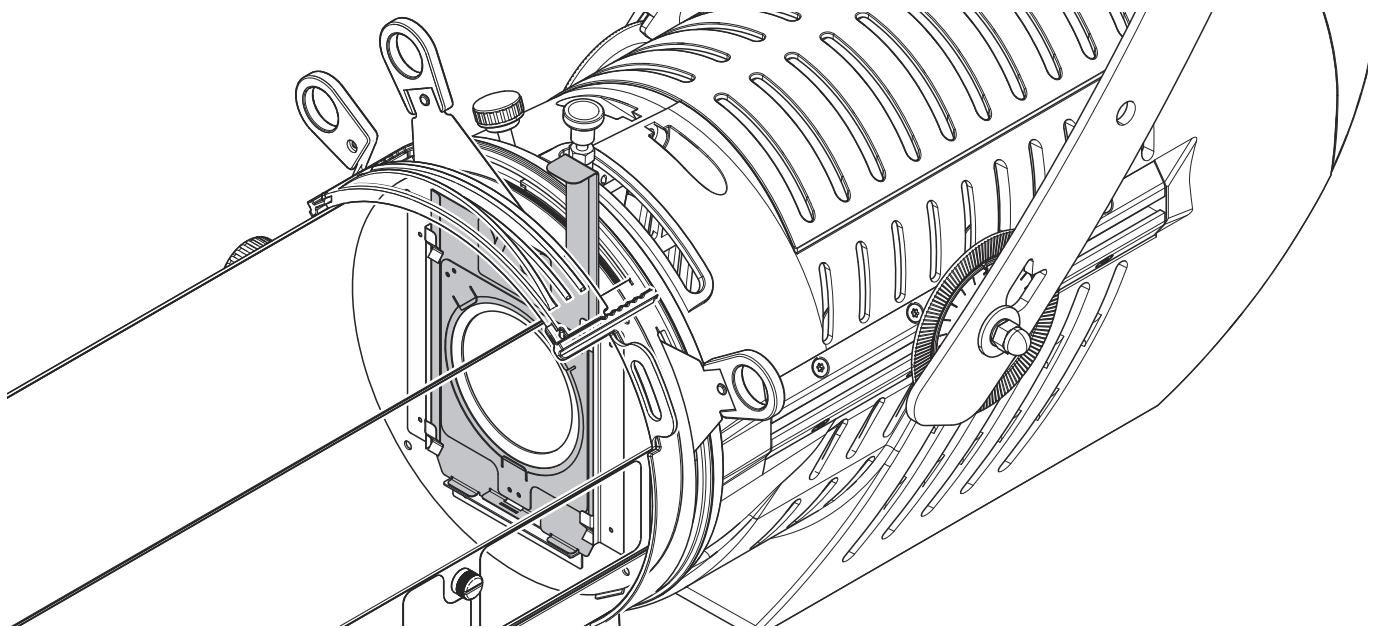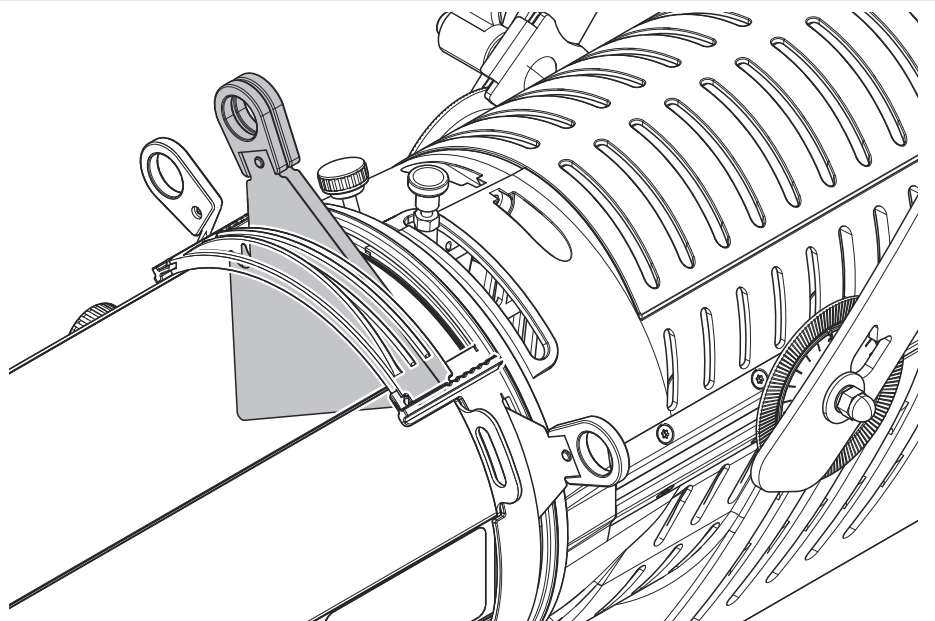
6. ACCESSORIES

7
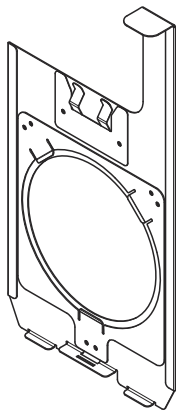
AA2011000100
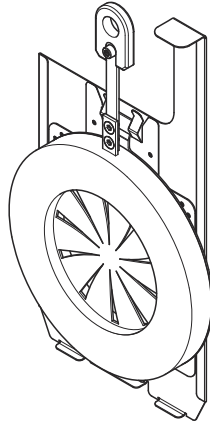
AA2013000100

AA2012000100

AA2014000100

AA2011000100: ORKIS PROFILE M GOBO HOLDER (for metal gobo size B, external Diameter 86mm, thickness 0.25mm)
AA2012000100: ORKIS PROFILE M GOBO HOLDER & INTERNAL ADJUSTABLE FROST
AA2013000100: ORKIS PROFILE M GOBO HOLDER & IRIS
AA2014000100: ORKIS PROFILE M GOBO ADDITIONAL 2 SHUTTERS (4 shutters are included into the fixture, you can add 2 more shutters as optional)

7. TROUBLESHOOTING

Following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

A. The unit does not work, no light and the fan does not work
1. Check the connection of power and main fuse.
2. Measure the mains voltage on the main connector.
3. Check the power on Fixture.

B. Not responding to DMX controller
1. Check DMX connectors, cables to see if link properly.
2. No response to the channel, check the address settings and   DMX polarity.
3. If you have intermittent DMX signal problems, check the pins on connectors or on PCB of the unit or the previous one.
4. Try to use another DMX controller.
5. Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

C. One of the channels is not working well
1. The stepper motor might be damaged or the cable connected to the PCB is broken.
2. The motor's drive IC on the PCB might be out of condition

8. FIXTURE CLEANING

The cleaning of internal and external optical lenses and/or mirrors must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the unit's optics.
• Clean with soft cloth using normal glass cleaning fluid.
• Always dry the parts carefully.
• Clean the external optics at least every 20 days. Clean the internal optics at least every 30/60 days.

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