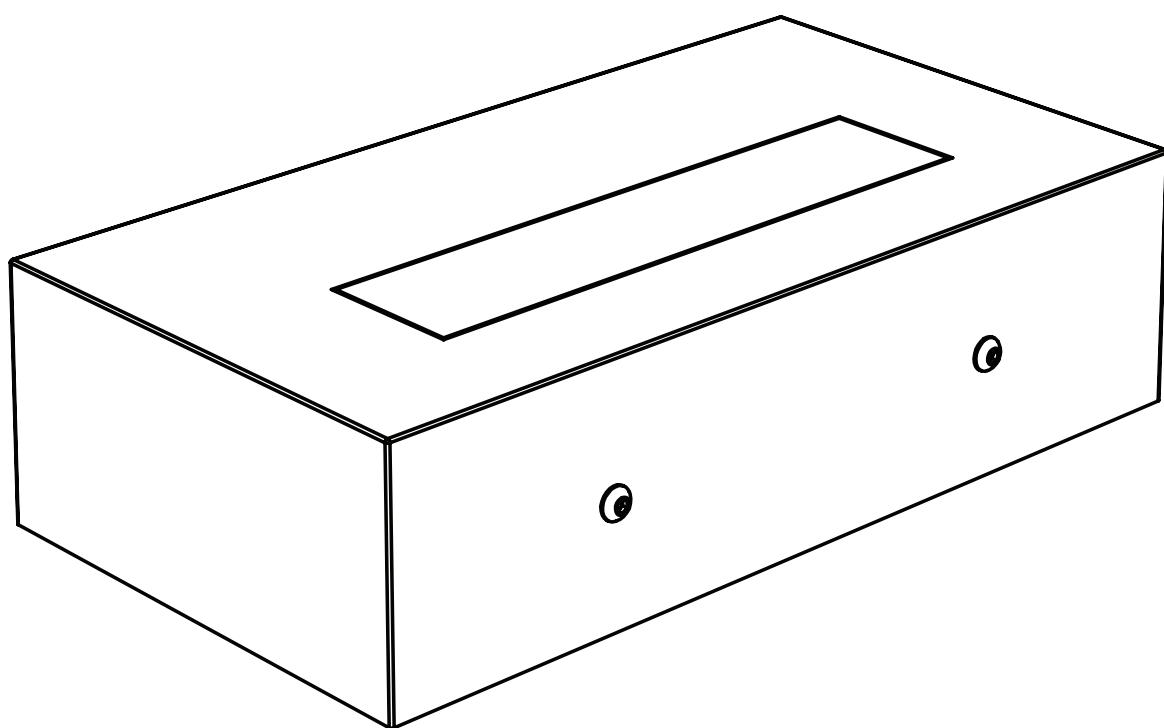


Eklipse

AL4373



Manuale di istruzioni
Instructions manual

 **GRIVEN**
world lighting challenge

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1.0 Introduction

1.1 Safety information

Warning!

This unit is suitable for professional use only, not for domestic use.

1.1.1 Protecting against electric shock

- Disconnect the unit from mains supply before servicing it or performing any other action.
 - Before connecting the unit to power supplies, verify that operating voltage and current are compatible.
 - Do not handle the unit with wet hands or in the presence of water.
 - Check regularly that the power supply cable is not damaged or crushed.
 - Apply to a qualified technician for any regular maintenance action not described in this manual.
-  III
- Class 3 device. It uses operating voltages inferior to 50 Volts. It excludes and forbids ground connection.

1.1.2 Installation

- The unit installation actions must be performed by a qualified staff.

1.1.3 Protection against burns and fire

-  Suitable to be installed onto normally inflammable surfaces.

1.1.4 Weather protection

The unit is classified as device with an IP65 weather protection rate.

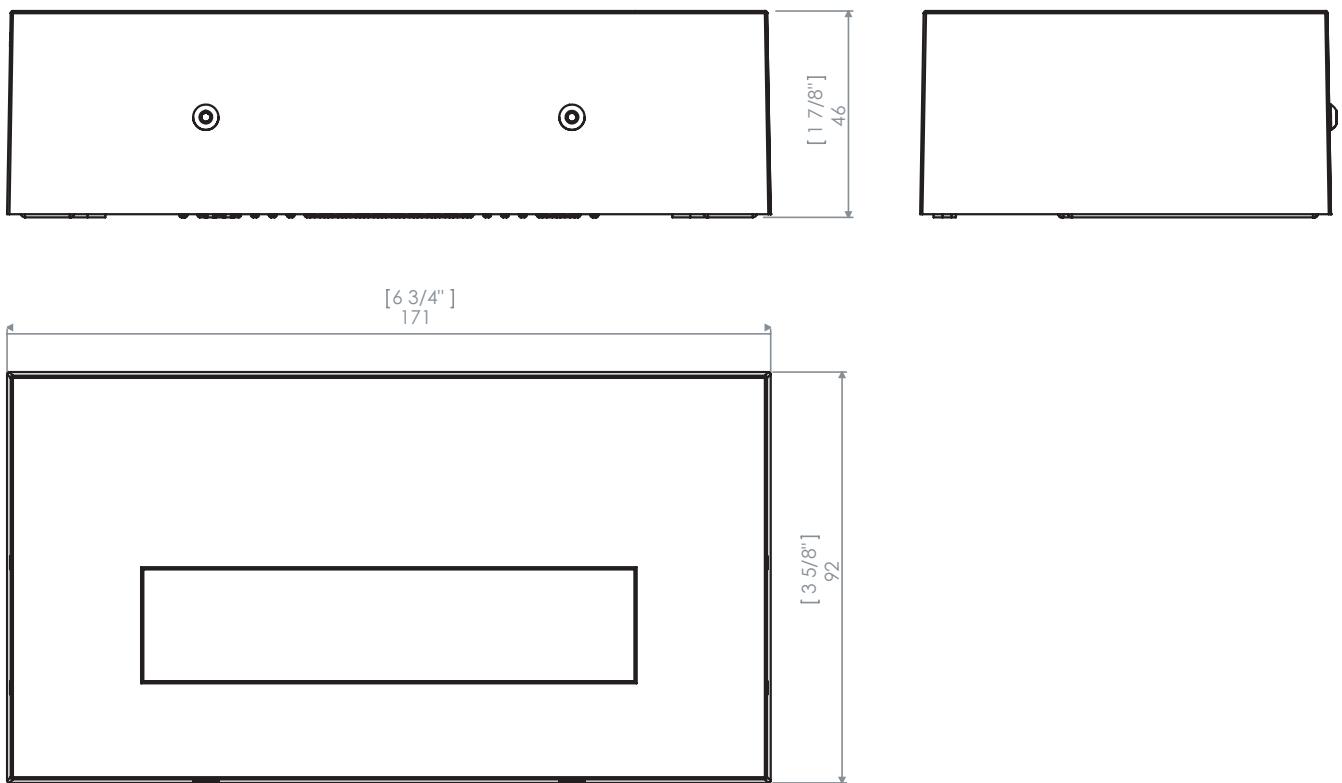
-  Replace any damaged shields with original GRIVEN spare parts..

1.2 Compliance



- Product in compliance with EN60598-1.
- Product in compliance with 2002/95/CE (RoHS).

2.0 Size



3.0 Packaging and transport

3.1 Packaging

Check carefully the content of the box and, in case of damage, contact your forwarder immediately. The following items are included in the box of this unit:

- n° 1 **Ekipse** unit
- n° 1 owner's manual

Warning!

- Griven S.r.l. liability will cease upon consignment of goods to the forwarder: claims for damage due to transport must be addressed directly to the forwarder.
- Griven S.r.l. will accept claims for broken or missing goods only within seven days of receipt of the goods.
- Returns of equipment will not be accepted without prior authorization granted by Griven S.r.l. and if not duly accompanied by relevant shipping documents.

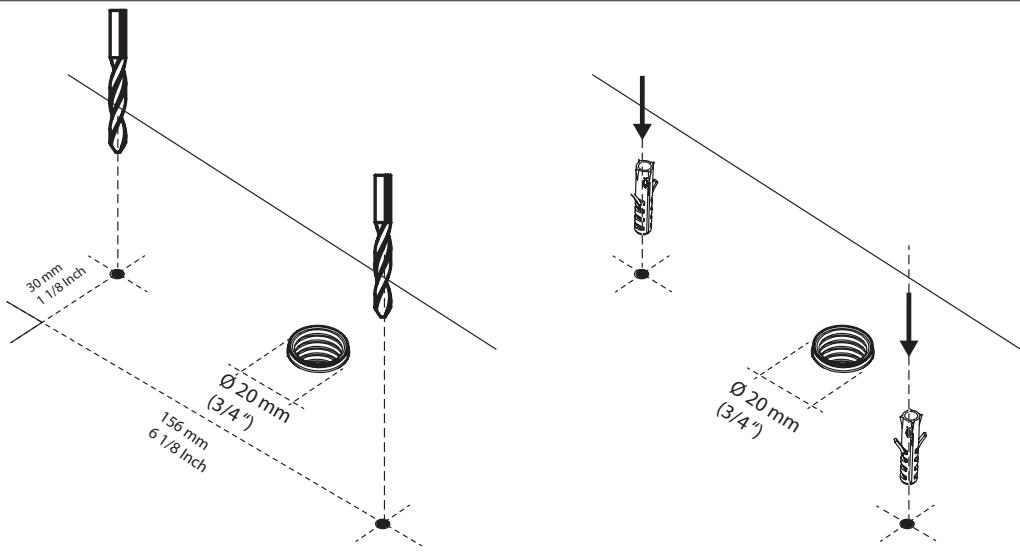
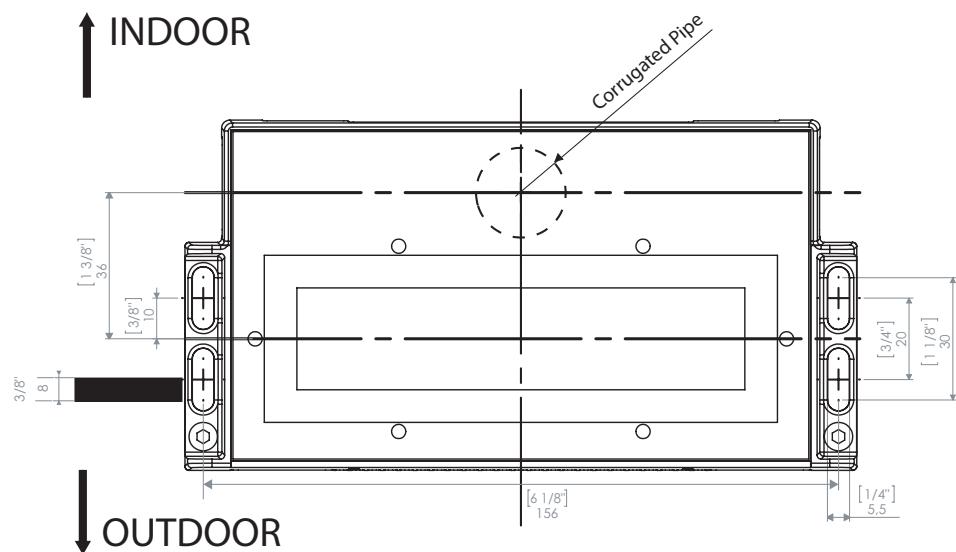
3.2 Transport

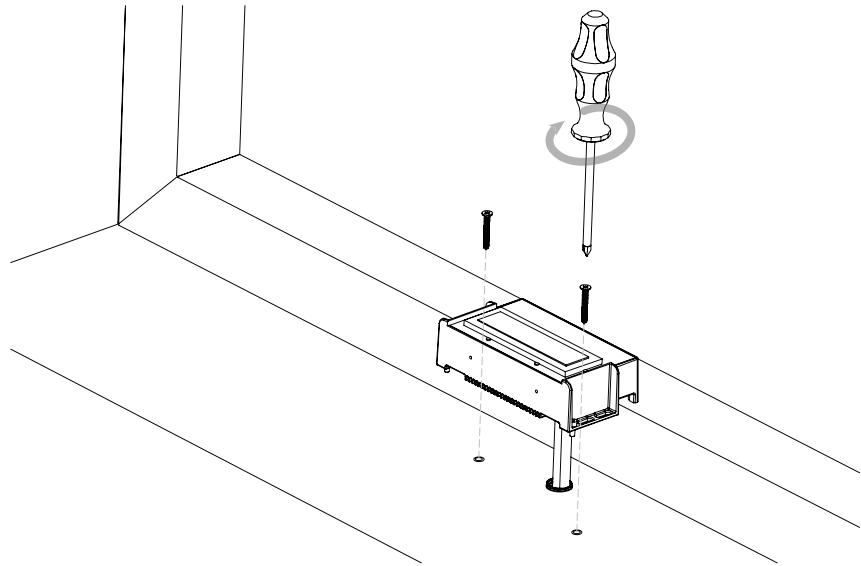
It is recommended to transport the unit with the maximum care, by using its original packing, to avoid to damage the unit.

4.0 Installation

4.1 Fixing

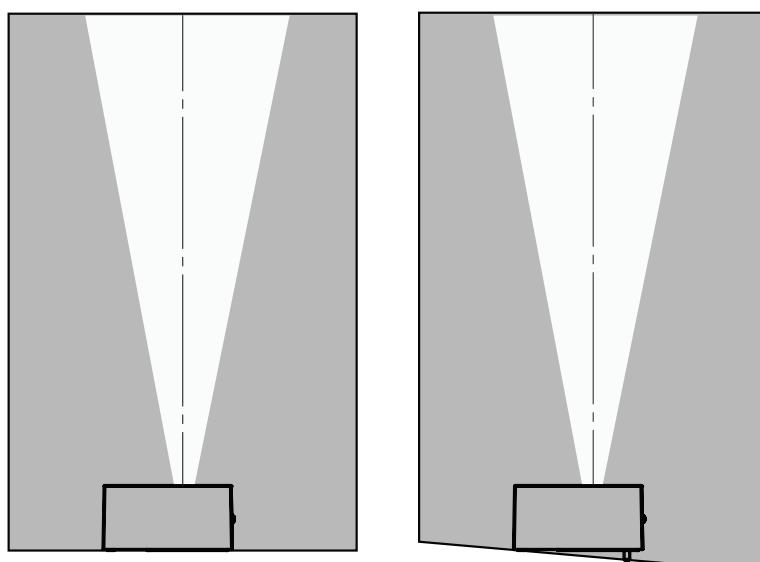
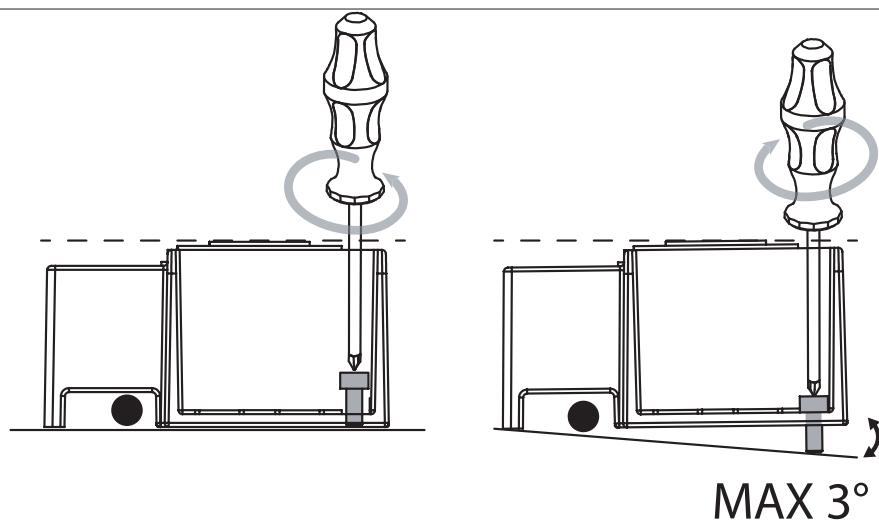
The unit can be fixed on the base of frames and windows. Use the holes Ø 5.5 mm of the body of the fixture. Create the holes Ø 6mm on the base of the frame respecting interaxis distance.





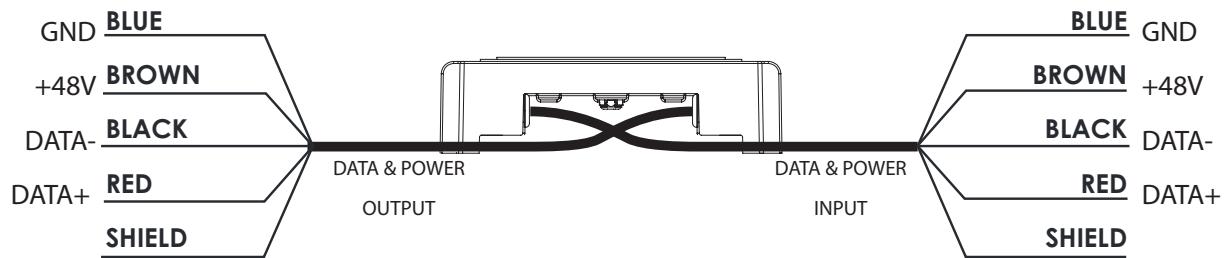
4.1.1 Adjusting light beam direction

Regulate the position of the unit and the light beam direction using 2 screws of the fixture.



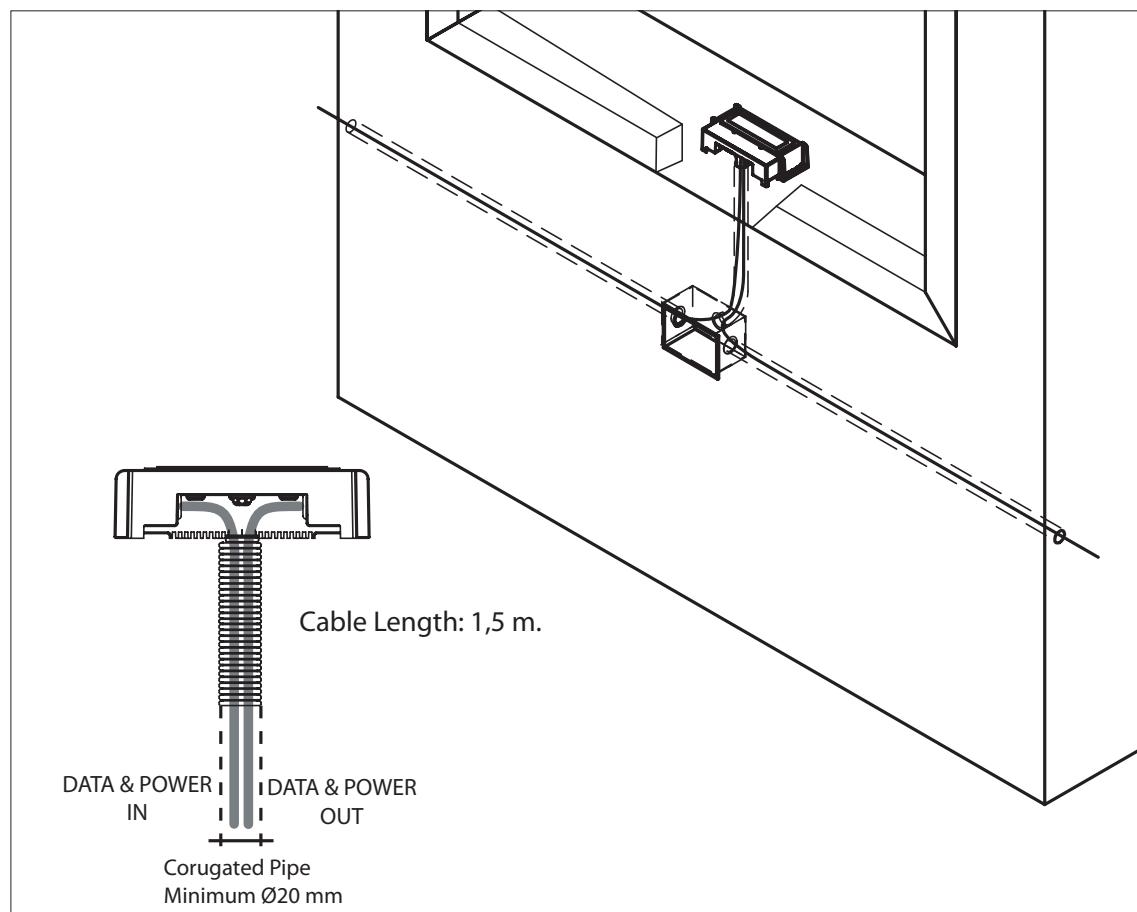
4.2 Connection to the main power

Eklipse RGBW

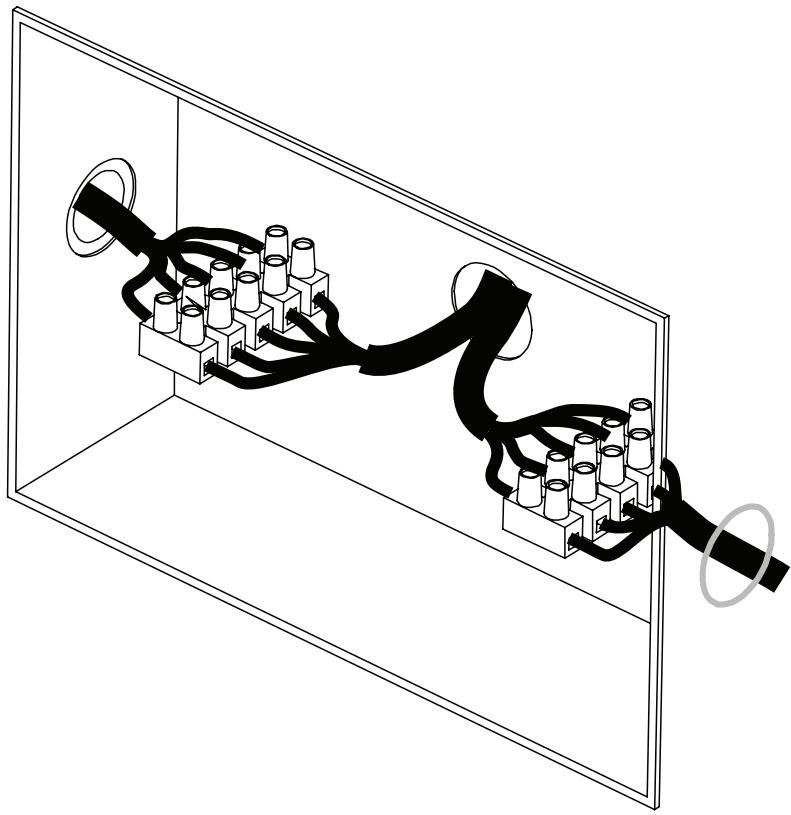


In order to avoid permanent damage to the unit, the connection scheme must be strictly respected!!

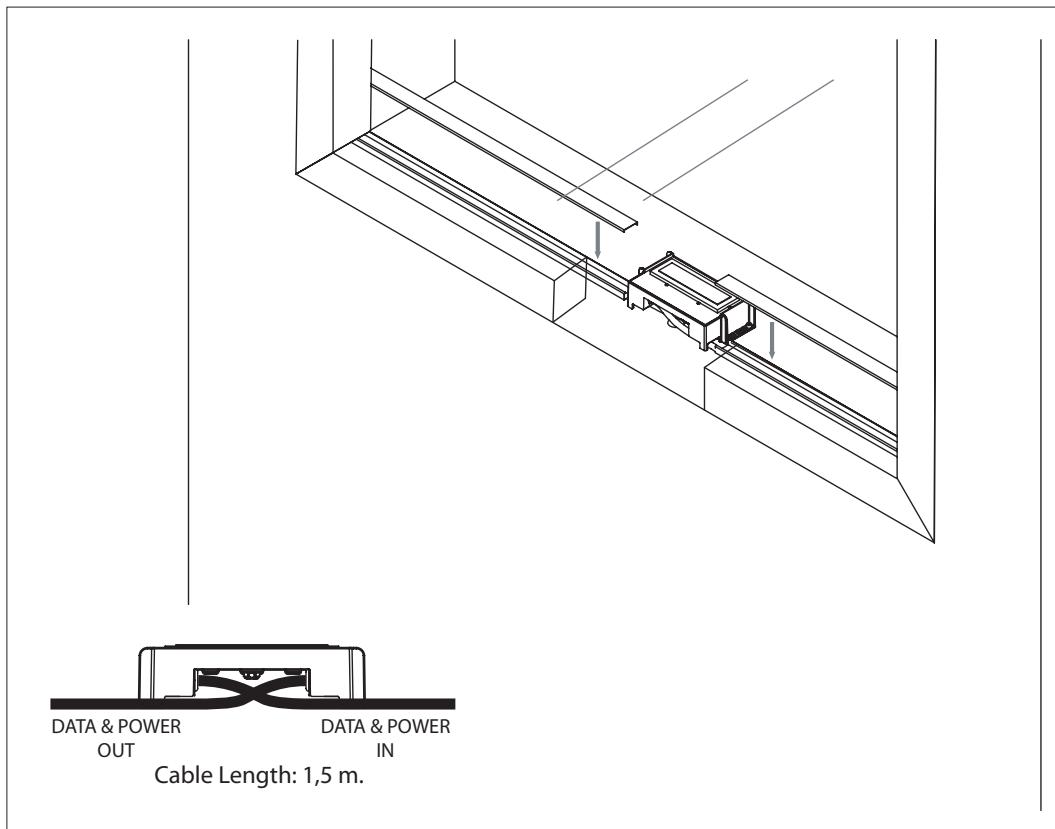
4.2.1 Connection with corrugated pipe



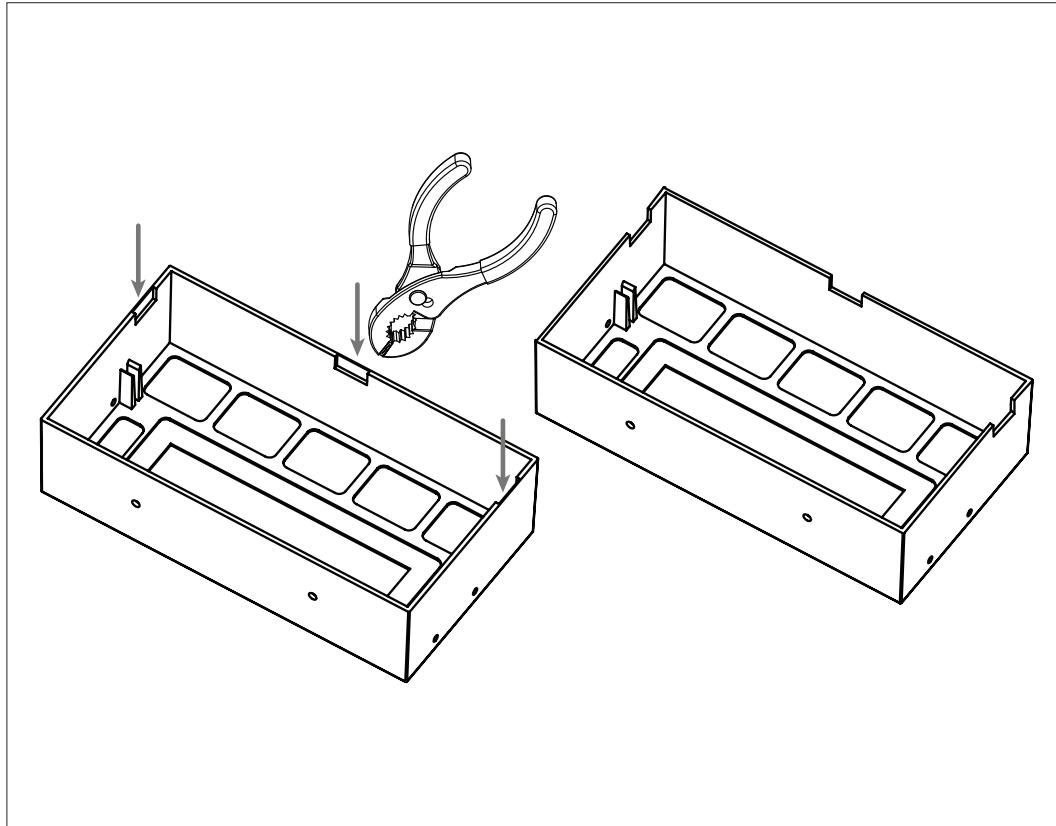
Use corrugated pipe minimum Ø 20 mm.



4.2.2 Connection with electrical conduit



Use a plier and create openings on the cover of the unit.



5.0 Use of the unit

5.1 DMX address setting with the accessory Weezerd 1

The DMX address can be set only by using the accessory **AL2660 Weezerd 1**. Refer to the manual of the accessory.

Warning!

**The unit can be configured “Self-Addressing” or “RDM”.
It is not possible to have both configuration.**

5.2 Setting DMX mode with the accessory Weezerd 1

The DMX mode can be set only by using the accessory **AL2660 Weezerd 1**. Refer to the manual of the accessory.

DMX MODE	CHANNELS USED (RGBW)	CHANNELS USED (Dynamic white)
00	5	2
01	4	3
02	6	/

5.3 Setting DMX channels

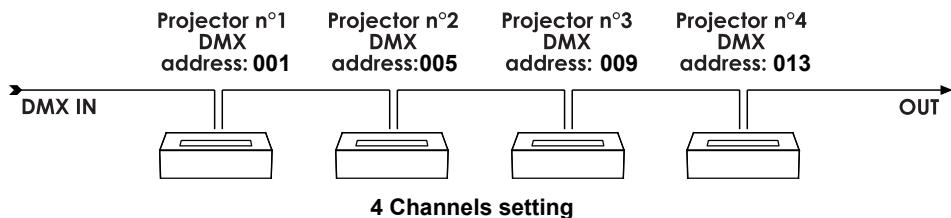
The number of DMX channels used by the unit to operate will depend from the selected operating mode.
Each RGBW unit will use **4, 5 or 6** DMX channels.

Each DW unit will use **2 or 3** DMX channels.

Each monochrome unit will use **1** DMX channel.

6.0 DMX Self-addressing function mode

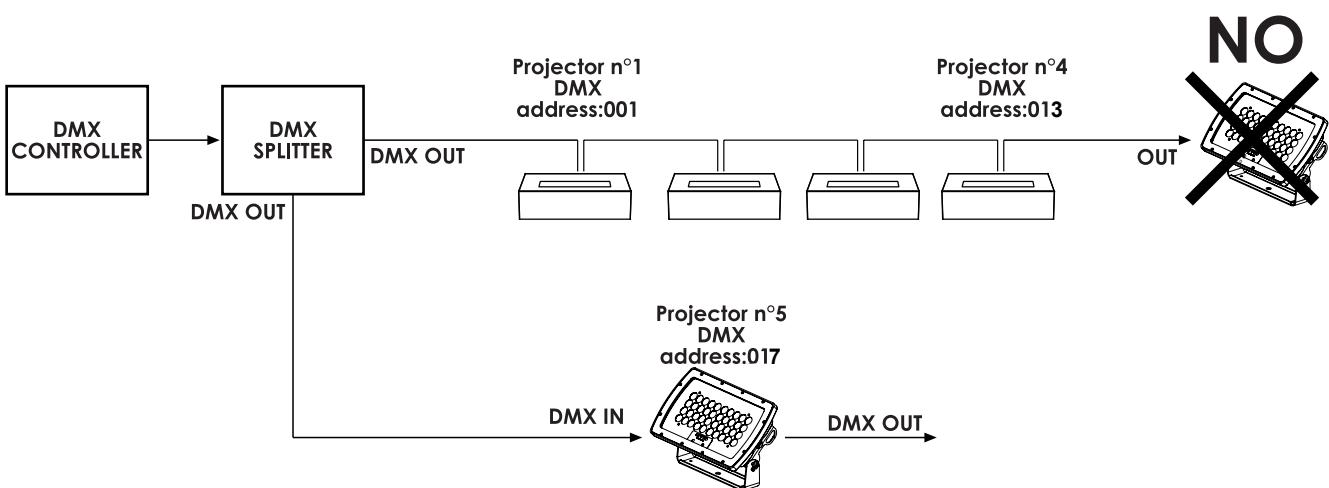
The unit works with the selected Dmx table (4,5,6 channels) and is provided of a self-addressing system. By this system, connecting the **Eklipse** units in series, each unit automatically sets its own initial DMX address, starting from the channel following the one of the previous unit. The following picture shows a connection example.



Warning!

The Graph-i-Cell output DMX signal cannot be used to control different models of projectors!! If different projectors are in the same DMX universe, they must be put in the output DMX line of the controller and set by considering the channels used by the Eklipse units.

The following picture shows an example of installation with different types of projectors.



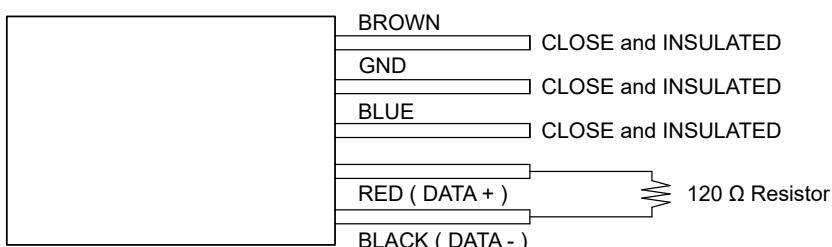
7.0 RDM functions

When operating in DMX mode, the projector can accept the following RDM commands:

- discovery
Upon request of the RDM controller, the projector shows its own presence (the RDM controller will display the projector between a list).
- DMX address reading and setting.
- Channels number reading and setting.
- On / Off identification
This command is used to identify the projector you want to get access to (the identification happens by switching on at full intensity all the LEDs).
- Manufacturer
The name of the manufacturer (Griven) is displayed.
- Model description
The projector model is displayed.
- Software version description
The version of the firmware in use on the projector is displayed.
- Temperature
The LEDs operating temperature value is displayed.

Attention ! (Only for RDM version)

**When setting up the electrical system, use a 120Ω resistor for the OUT-cable of the last fixture in the chain.
(Resistor is not included with the fixture)**



8.0 Setting Dmx channels

8.1 DMX functions RGBW

Warning!

In absence of DMX signal the led will remain OFF.

8.1.1 DMX functions with DMX MODE = 4 channels

Channel	Function	Value	Description
1	Red	0-255	Proportional control 0-100% of the Red color
2	Green	0-255	Proportional control 0-100% of the Green color
3	Blue	0-255	Proportional control 0-100% of the Blue color
4	White	0-255	Proportional control 0-100% of the White color

8.1.2 DMX functions with DMX MODE = 5 channels

Channel	Function	Value	Description
1	Red	0-255	Proportional control 0-100% of the Red color
2	Green	0-255	Proportional control 0-100% of the Green color
3	Blue	0-255	Proportional control 0-100% of the Blue color
4	White	0-255	Proportional control 0-100% of the White color
5	Dimmer Strobe	0-15	Luminous output intensity 100%
		16-150	Proportional control of the luminous output intensity 100-0%
		151-160	Luminous output intensity 0%
		161-255	Proportional control of the strobe effect 0-100% (255=max)

8.1.3 DMX functions with DMX MODE = 6 channels

Channel	Function	Value	Description
1	Red	0-255	Proportional control 0-100% of the Red color
2	Green	0-255	Proportional control 0-100% of the Green color
3	Blue	0-255	Proportional control 0-100% of the Blue color
4	White	0-255	Proportional control 0-100% of the White color
5	Dimmer	0-5	Luminous output intensity 0%
		6-250	Proportional control of the luminous output intensity 0-100%
		251-255	Luminous output intensity 100%
6	Strobe	0-15	No strobe
		6-250	Proportional control of the strobe effect 0-100%
		251-255	Strobe effect 100%

8.2 DMX functions DW

Warning!

In absence of DMX signal the led will remain ON.

8.2.1 DMX functions with DMX MODE = 2 channels

Channel	Function	Value	Description
1	Dynamic white	0-3	Warm white 100% - Cold white 0%
		4-122	Warm white 100% - Cold white from 0% to 100%
		123-132	Warm white 100% - Cold white 100%
		133-251	Warm white 100% to 0% - Cold white 00%
		252-255	Warm white 0% - Cold white 100%
2	Dimmer Strobe	0-15	Luminous output intensity 100%
		16-150	Proportional control of the luminous output intensity 100-0%
		151-160	Luminous output intensity 0%
		161-255	Proportional control of the strobe effect 0-100% (255=max)

8.2.2 DMX functions with DMX MODE = 3 channels

Channel	Function	Value	Description
1	Warm white	0-255	Proportional control 0-100% of the warm white
2	Cold white	0-255	Proportional control 0-100% of the cold white
3	Dimmer Strobo	0-15	Luminous output intensity 100%
		16-150	Proportional control of the luminous output intensity 100-0%
		151-160	Luminous output intensity 0%
		161-255	Proportional control of the strobe effect 0-100% (255=max)

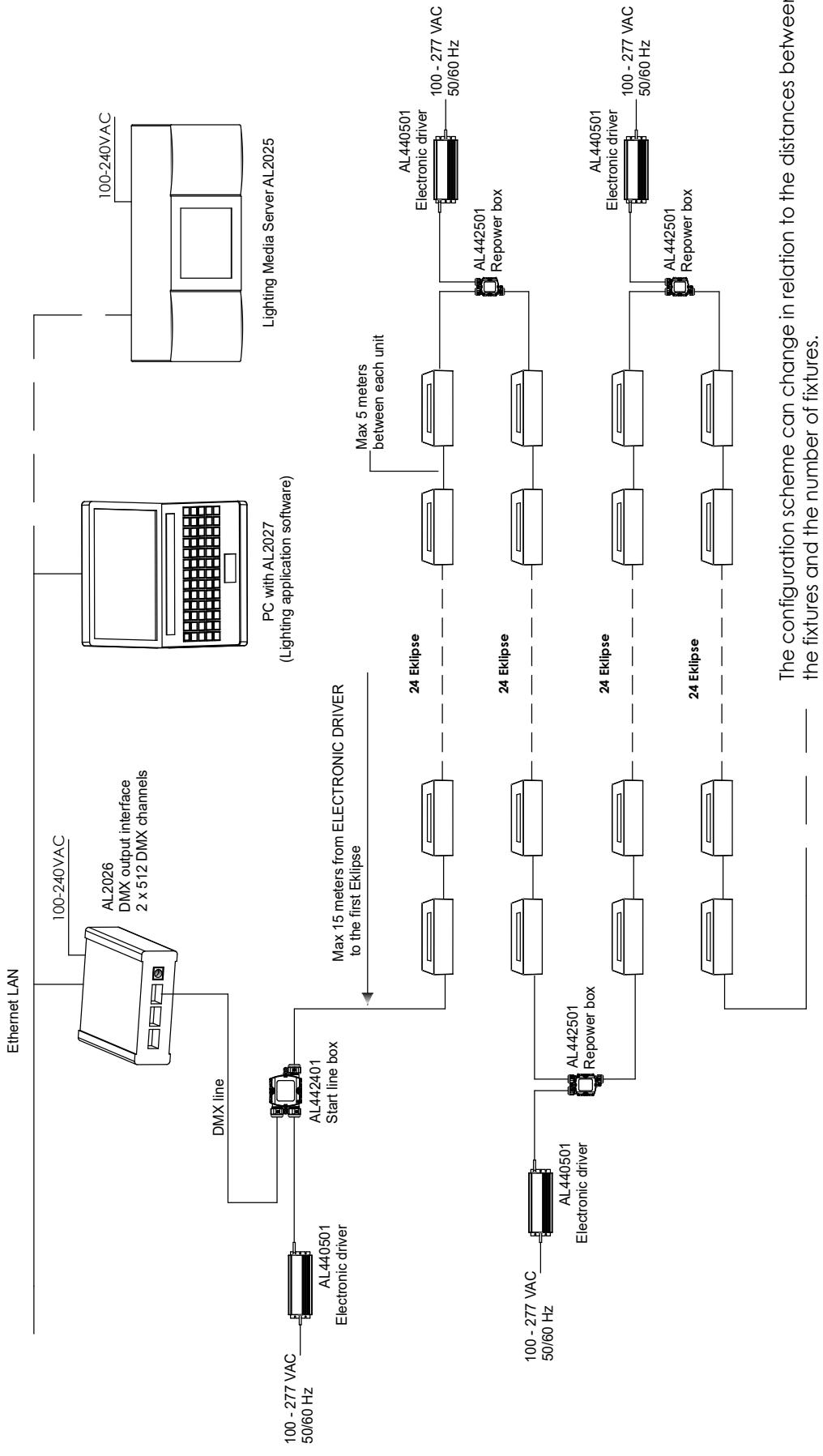
8.3 DMX functions monochrome

Attention!

In absence of DMX signal the led will remain ON.

Channel	Function	Value	Description
1	Dimmer Strobo	0-15	Luminous output intensity 100%
		16-150	Proportional control of the luminous output intensity 100-0%
		151-160	Luminous output intensity 0%
		161-255	Proportional control of the strobe effect 0-100% (255=max)

9.0 Configuration scheme



The configuration scheme can change in relation to the distances between the fixtures and the number of fixtures.

10.0 Spare parts

All components of the unit are available as spare parts at **Given** dealers.

Exploded views, wiring diagrams, electronic layouts and advertising brochures are available on request.

To make the job of assistance centres easier, specify serial number and model of the unit which spare parts are requested for.

11.0 Maintenance

Attention!

Always remove mains power prior to opening up the fixture.

To ensure maximum functionality and light output it is recommended to follow these instructions:

11.1 Cleaning the unit

The unit must be cleaned regularly. Cleaning regularity will depend especially on the environment where the unit will operate: deposits of dust, smokes or other wastes will reduce the light output performances.

- Clean regularly the glass of the unit.
- Do not use solvents which could damage painted surfaces.

11.2 Regular checks

- Check electrical connections, especially the ground wiring and the power supply cable.
- Check that the unit is not damaged mechanically. Replace those components which have got deteriorated.

12.0 Disposal

The European Directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE), requires that old lighting fixtures must not be disposed of the normal unsorted municipal waste stream. Old appliances must be collected separately in order to optimise the recovery and recycling of the materials they contain and reduce the impact on human health and the environment.



The crossed out “wheeled bin” symbol on the product reminds you of your obligation, that when you dispose of the appliance it must be separately collected.

Consumer should contact their local authority or retailer for information concerning the correct disposal of their old appliance.

13.0 Technical specifications

Mechanical features

Height	46 mm (1 7/8")
Width	171 mm (6 3/4")
Depth	92 mm (3 5/8")
Weight1Kg (2.2 Lbs)

Thermal features-

Minimum ambient temperature	-40°C (-40°F)
Maximum ambient temperature50°C (122°F)

Electrical features

Power supply Voltage48Vdc
Nominal current	0,2 A
Maximum power	10 W

Light output source

Type of light output source	Leds RGBW
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Optics

Optical system	Lenses
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Construction

Unit body	Iron/Aluminium
Treatment	Scratch resistant black paint
Weather protection rate	IP66
Impact rating	IK07



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User's manual rel. 1.00