

TRILOBIT

RGB/RGBW/RGBA
DMX/RDM electronic on board
Length = 600/900/1200



INSTRUCTIONS MANUAL

PRECILUM[®]
SPECIAL LED LIGHTING SOLUTIONS

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LED



Electrostatic Sensitive Device
(ESD)

FOR YOUR OWN SAFETY PLEASE READ THIS INSTRUCTION
MANUAL CAREFULLY BEFORE BEGINNING SETUP AND
INSTALLATION.

1. INTRODUCTION

1.1 About the product

The modules generate colored light by means of the high power LEDs. The products were designed for exterior use and they are ideal for locations where effect lighting with long lifetime is required. The TRILOBIT range combines LED technology with a balanced design profile to create truly specific lighting systems. Using precision manufacturing techniques the TRILOBITE provides professional solutions for your lighting requirements. Also, it has a passive cooling for optimum thermal management.

It made using highest quality materials and construction methods, bringing the flexibility to outdoor application. This powerful lighting fixture is ideally suited to use in landscape and building illumination and IP66 ensures safe operation in even the most demanding areas.

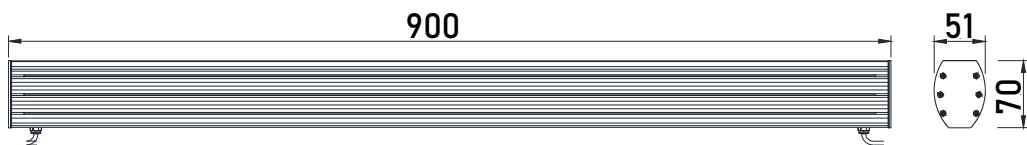
1. INTRODUCTION

1.2 Dimensions of fixture

Lenght = 600 mm



Lenght = 900 mm



Lenght = 1200 mm

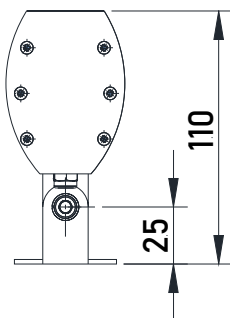


1. INTRODUCTION

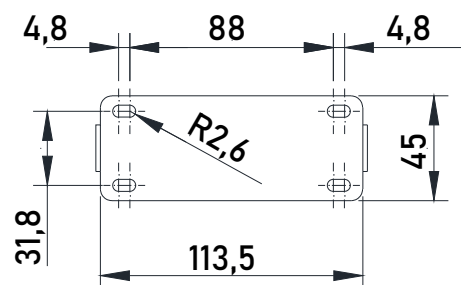
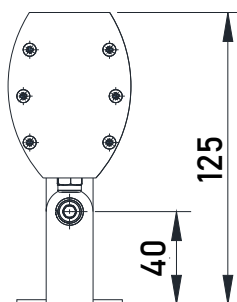
1.3 Dimensions of hanging bracket

1.3.1 Fixed bracket (Standard zined or on request stainless steel)

Bracket 25 mm:

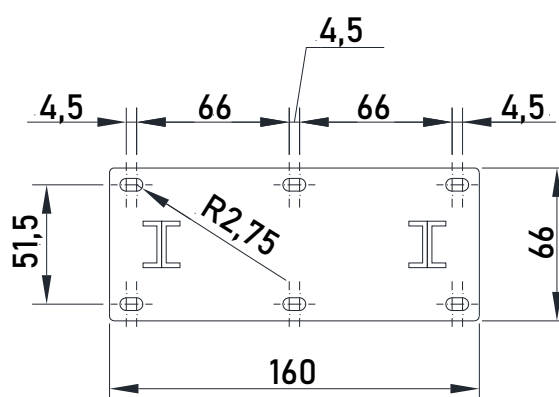
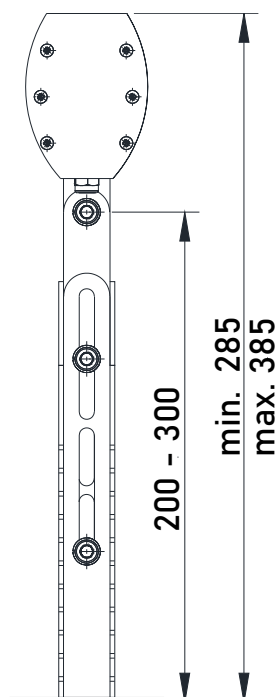


Bracket 40 mm:



1.3.2 Adjustable bracket

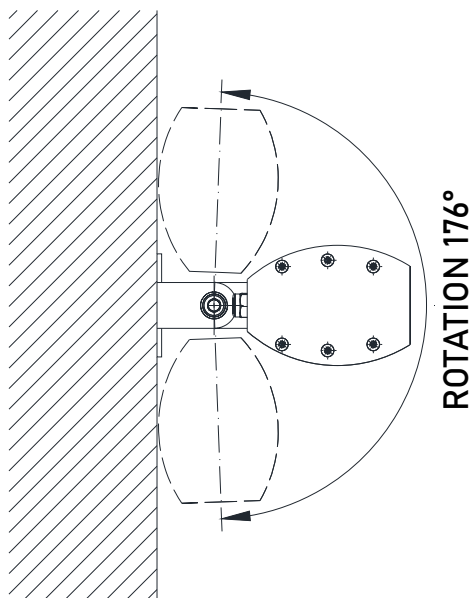
Bracket 200 - 300 mm:



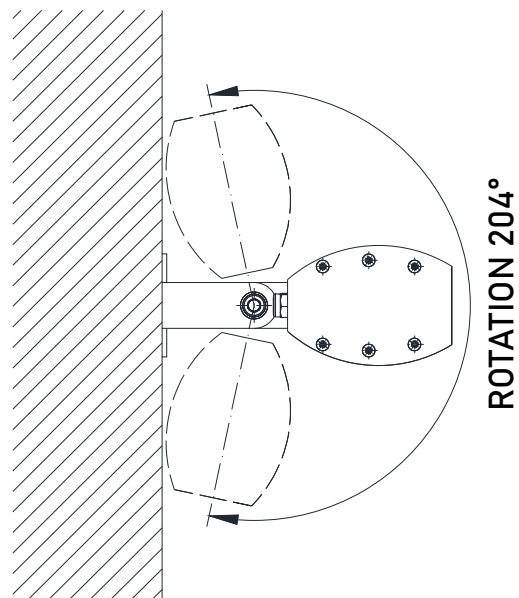
1. INTRODUCTION

1.3.3 Fixation methodes

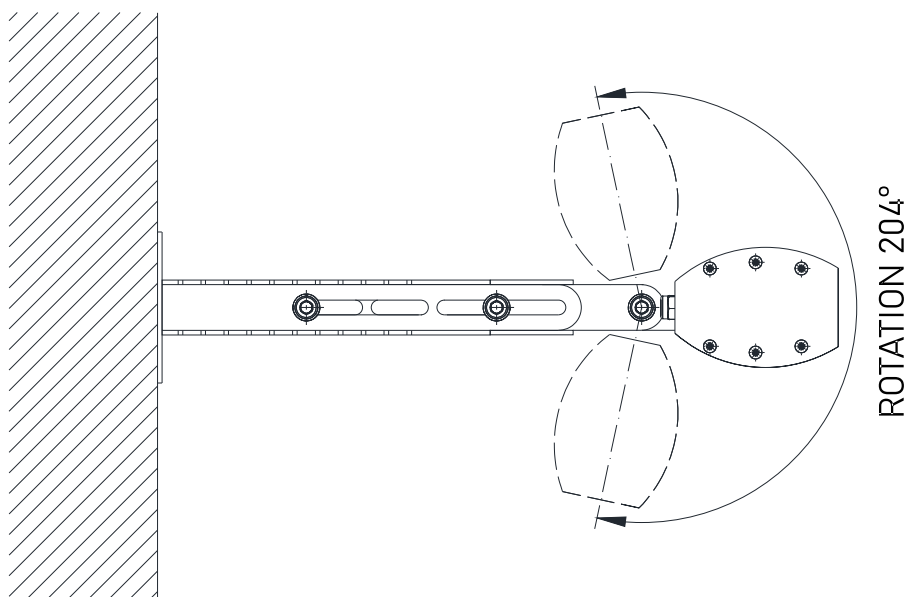
Bracket 25 mm:



Bracket 40 mm:



Bracket 200 - 300 mm:



2. SAFETY AND OPERATION

CAUTION - DANGEROUS VOLTAGE CONSTITUTING A RISK OF ELECTRIC SHOCK IS PRESENT WITHIN THIS UNIT!

CAUTION - THE POWER SUPPLY MUST BE UNPLUG FROM THE MAINS POWER BEFORE CONNECTING ANY CABLES TO AVOID DAMAGING THE PRODUCT!

CAUTION – FOR YOUR OWN SAFETY AVOID LOOKING DIRECTLY INTO THE LED LIGHT SOURCE!

ANY PERSONS WHO INSTALLING THIS PRODUCT MUST BE QUALIFIED FOR THE HANDLING OF ELECTRICAL EQUIPMENT AND INSTALLATION MUST BE PERFORMED WITH LOCAL STANDARTS AND REGULATIONS!

- Consider the respective national norms during the installation!
- Do not install the fixture near high inflammable liquids or materials.
- Do not looking directly into the LED light beam at close range.
- Turn off the power prior to light fixture installation!
- The light fixture may be installed only by a qualified person!
- The light fixture must be wired according to respective electrical standards.
- The manufacturer shall not be liable for any modifications of the product of incorrect installation of the product.
- Never install the luminaire on rain, fog or high humidity.

3. INSTALLATION

3.1 Installation of fixture

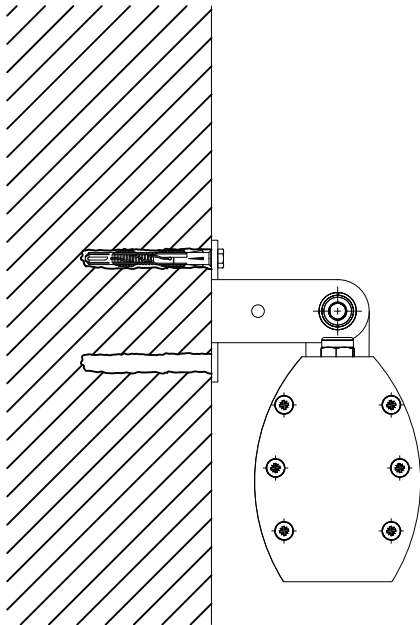


Fig. 1

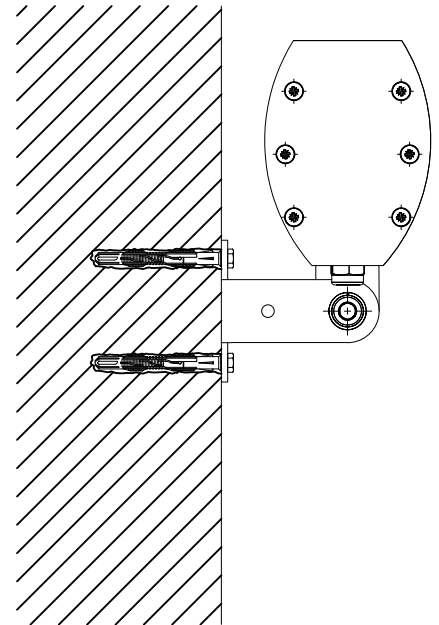


Fig. 2

- Drill the holes in the wall according to the holes in the hanging bracket.
- Mount the hanging bracket with dowels and screws. (Fig. 1)
- First attach the top of the bracket, then turn the luminaire and attach the other side. (Fig. 2)
- Make sure it is mounted firmly.

3. INSTALLATION

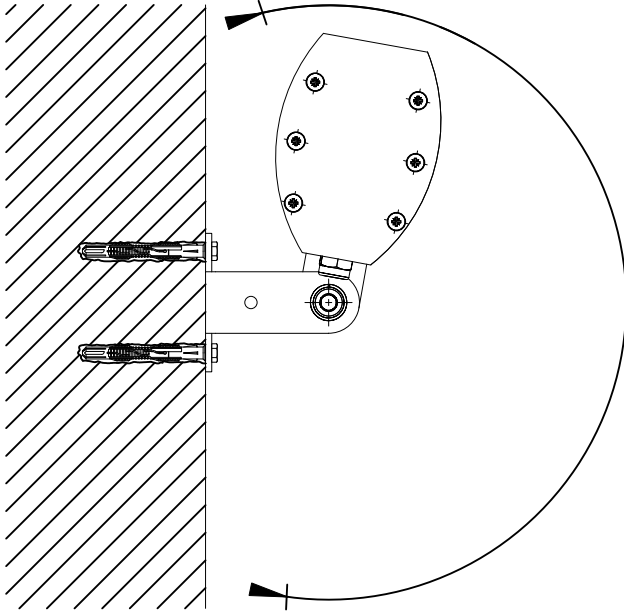


Fig. 3

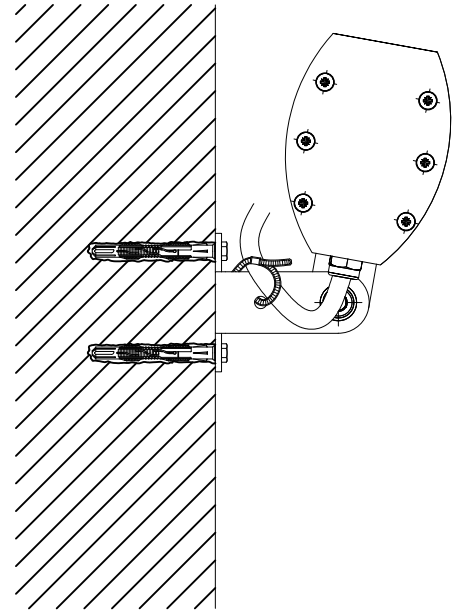


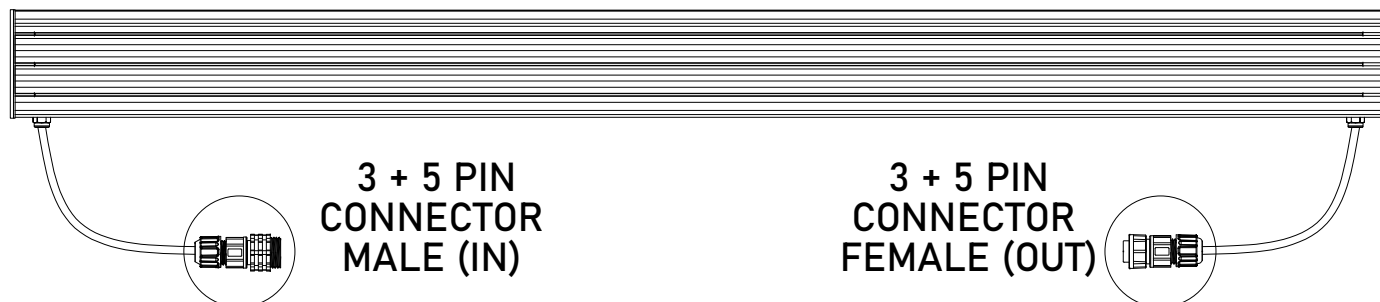
Fig. 4

- Adjust the angle of the luminaire. (Fig. 3)
- Stabilize the angle by tightening the screws. (Fig. 3)
- Attach the cable from the luminaire to the bracket using cable zip ties in such a way that it does not touch the wall. (Fig. 4)

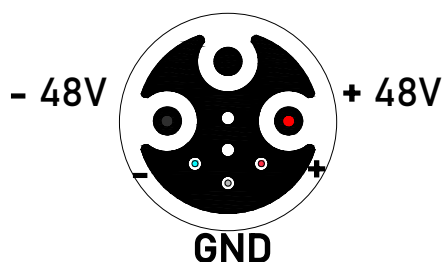
3. INSTALLATION

3.2 Connection

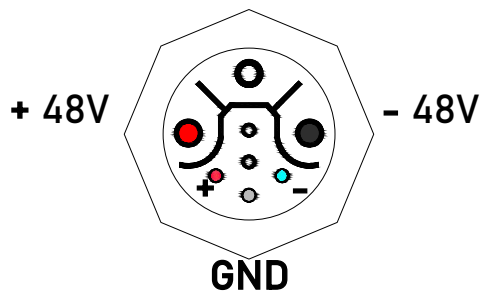
3.2.1 Wiring – Combi cable (48V DC + DMX)



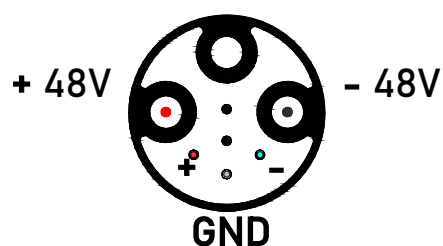
MALE (IN) – Front view



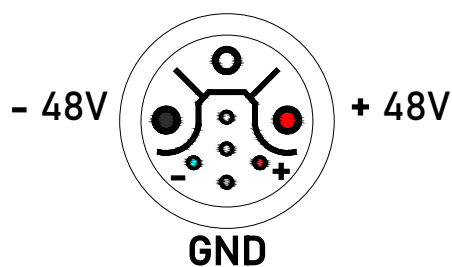
MALE (IN) – Rear view (soldering)



FEMALE (OUT) – Front view



FEMALE (OUT) – Rear view (soldering)



POWER

- + 48V (red)
- - 48V (black)

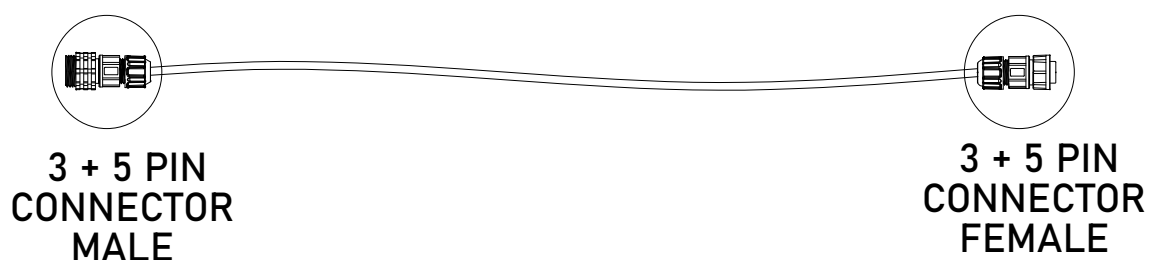
DMX

- + (red)
- - (blue)
- GND (grey)

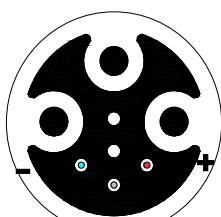
3. INSTALLATION

3.2 Connection

3.2.2 Wiring - DMX inter cable (only for DMX transmission)

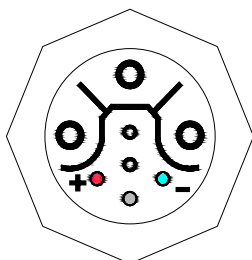


MALE (IN) - Front view



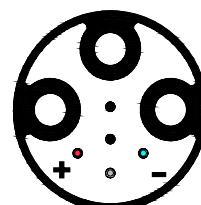
GND

MALE (IN) - Rear view (soldering)



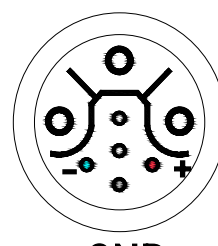
GND

FEMALE (OUT) - Front view



GND

FEMALE (OUT) - Rear view (soldering)



GND

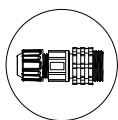
DMX

- + (red)
- - (blue)
- GND (grey)

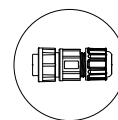
3. INSTALLATION

3.2 Connection

3.2.3 Terminator connector (for last luminaire)

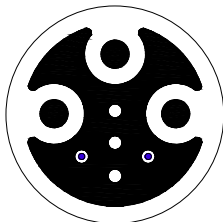


TERMINATOR
CONNECTOR
MALE

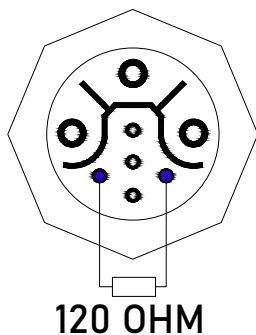


TERMINATOR
CONNECTOR
FEMALE

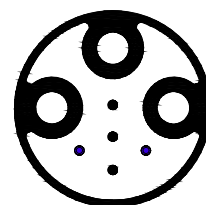
MALE (IN) – Front view



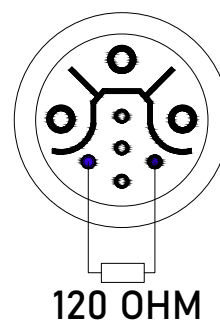
MALE (IN) – Rear view (soldering)



FEMALE (OUT) – Front view



FEMALE (OUT) – Rear view (soldering)



- Resistor 120 OHM

4.1 RGB, RGBW, RGBA option



5. CARE AND MAINTENANCE

PRECILUM™ PRODUCTS ARE OF SUPERIOR DESIGN AND QUALITY AND SHOULD BE TREATED WITH CARE. THE RECOMMENDATIONS BELOW WILL HELP FULFILL GAIN GOOD USE AND LONGEVITY FROM THE PRODUCTS.

Clean the front transparent cover at least every 6 months. Use a moist, lint-free cloth. Never use alcohol or solvents.

A scheduled maintenance programme must be carried out on the installation and the fittings regardless of their IP rating or application – these must include the following operations:

- Clean the fittings from dirt that may be deposited in the heads of the screws by following the installation instructions attached to each fitting.
- Check that the screws are not loose on the various components of the luminaire (glass frame, cable entry , ...).
- Check each cable gland, and cable for damage and that the cable gland has not come loose.
- For each Isolation Class 1 fitting check that the earth cable has not come loose. The clip must not show signs of oxidation,damage or become loose.
- For class 2 fittings check any eventual plastic / isolating covering in order to verify any damage.
- Check that all the seals are in good condition and that they are not damaged or split.

The internal components such as the ballasts, transformers, washers and screws must not show clear signs of oxidation or rust.

Clear traces of rust and oxidation will indicate the presence of water inside the luminaire.

In case of damage the components must be replaced by original components and spare parts before using the fitting.

We also recommend to check the fitting at least once a year or within the prescribed maintenance schedule period depending on the type of installation.

6. TECHNICAL SPECIFICATION

Mounting:	See 1.3 Dimensions of hanging bracket
Optical system:	Spot, Narrow, Medium, Wide, Flood, Oval, Assym.
LED device:	High power OSRAM LEDs
LED variants:	RGB, RGBW, RGBA and other according req.
Lumen output:	See datasheet
Input voltage:	48V DC
Control:	DMX/RDM electronic on board
Max. power consumption:	TRILOBIT 600 RGB 27W (current 500mA) RGBW/RGBA 36W (current 500mA) TRILOBIT 900 RGB 41W (current 500mA) RGBW/RGBA 54W (current 500mA) TRILOBIT 1200 RGB 54W (current 500mA) RGBW/RGBA 72W (current 500mA)
Service lifetime:	100 000 hrs./L70 @25°C
Operation ambient temp:	-30°C/+45°C
Materials:	Housing: extruded aluminium Cover: clear tempered glass
Dimensions:	See dimensional drawing
Environment:	IP66
Weight:	TRILOBIT 600: 1,9 kg TRILOBIT 900: 3,0 kg TRILOBIT 1200: 3,9 kg
Accessories:	See website

7. WARRANTY STATEMENT

Precillum provides a product warranty for a period of five (5) years from date of purchase.

Please refer www.precillum.com for all warranty terms and conditions.



Please check for latest updates and changes on the Precilum website.

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