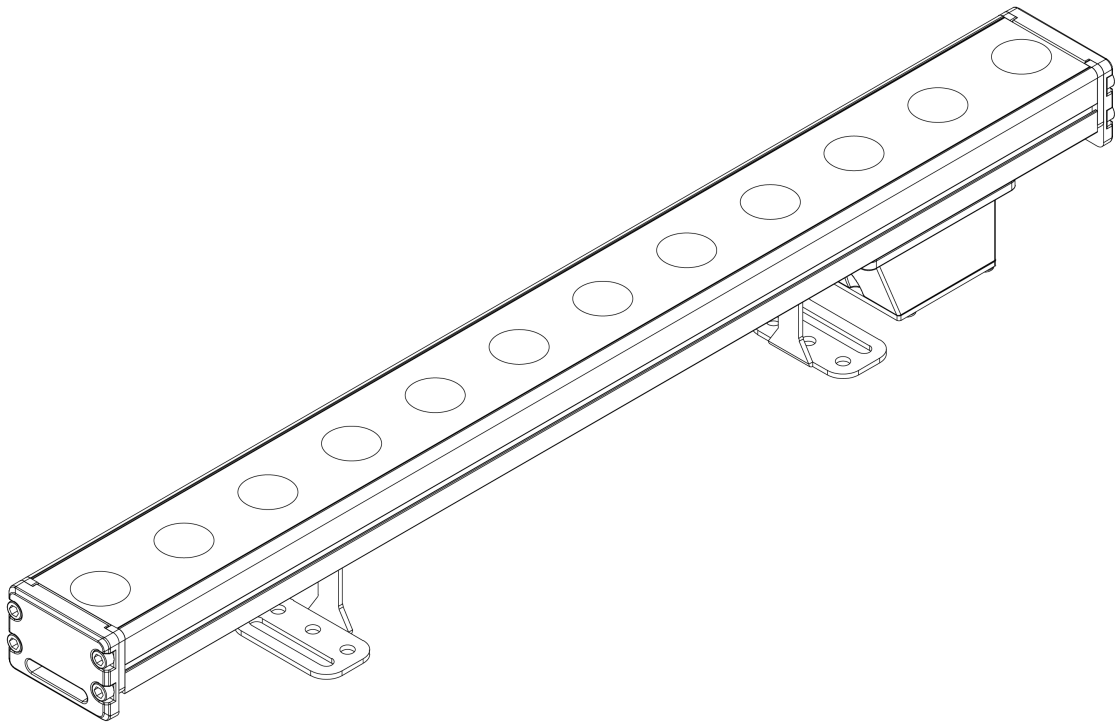
ARTECTA

USER MANUAL

ENGLISH

V1.0



Arenal 12/2 Bar

Product code: A0740001

Preface

Thank you for purchasing this Artecta product.

The purpose of this user manual is to provide instructions for the correct and safe use of this product.

Keep the user manual for future reference as it is an integral part of the product. The user manual shall be stored at an easily accessible location.

This user manual contains information concerning:

- Safety instructions
- Intended and non-intended use of the device
- Installation and operation of the device
- Maintenance procedures
- Troubleshooting
- Transport, storage and disposal of the device

Non-observance of the instructions in this user manual may result in serious injuries and damage of property.

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Highlite International B.V. – Vestastraat 2 – 6468 EX Kerkrade – the Netherlands

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1. Introduction

1.1. Before Using the Product

Important
Read and follow the instructions in this user manual before installing, operating or servicing this product.

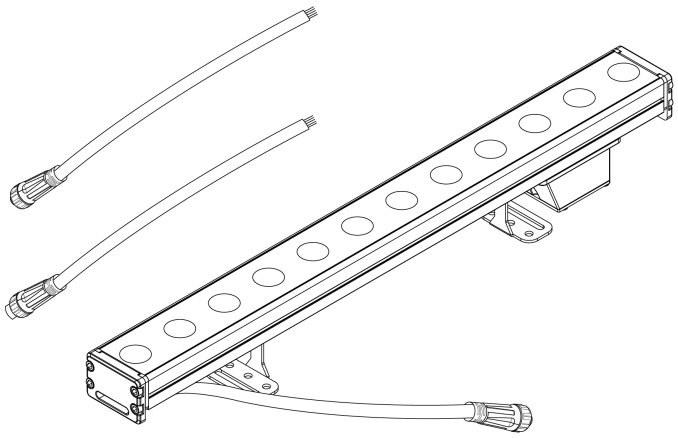
The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual.

After unpacking, check the contents of the box. If any parts are missing or damaged, contact your Highlite International dealer.

Your shipment includes:

- Artecta Arenal 12/2 Bar
- 1 x FLEX & IP Pixelstrip cable (male – loose wires)
- 1 x FLEX & IP Pixelstrip cable (female – loose wires)
- User manual

Figure 1



1.2. Intended Use

This device is intended for professional use as a wash luminaire. It can be installed indoors and outdoors. This device is not suitable for households and for general lighting.

Any other use, not mentioned under intended use, is regarded as non-intended and incorrect use.

1.3. LEDs Lifespan

The light output of the LEDs gradually decreases over time (lumen depreciation). High operating temperatures contribute to this process. You can extend the lifespan of the LEDs by providing adequate ventilation and operating the LEDs at the lowest possible brightness.

1.4. Product Lifespan

This device is not designed for permanent operation.

Disconnect the device from the electrical power supply when the device is not in operation. This will reduce the wear and will improve the lifespan of the device.

1.5. Text Conventions

Throughout the user manual the following text conventions are used:

- References: References to parts of the device are in bold lettering, for example: "turn the **adjustment handle (05)**". References to chapters are hyperlinked
- 0–255: Defines a range of values
- Notes: **Note:** (in bold lettering) is followed by useful information or tips

1.6. Symbols and Signal Words

Safety notes and warnings are indicated throughout the user manual by safety signs.

Always follow the instructions provided in this user manual.



DANGER Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.



WARNING Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.



CAUTION Indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury.



Attention Indicates important information for the correct operation and use of the product.



Important Read and observe the instructions in this document.



Provides important information about the disposal of this product.

1.7. Symbols on the Information Label

This product is provided with an information label. The information label is located on the back side of the device.

The information label contains the following symbols:



This device shall not be treated as household waste.

IP65

This devices is rated IP65.



This device falls under IEC protection class III.

2. Safety



Important
Read and follow the instructions in this user manual before installing, operating or servicing this product.

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual.

2.1. Warnings and Safety Instructions



DANGER
Danger for children

For adult use only. The device must be installed beyond the reach of children.

- Do not leave any parts of the packaging (plastic bags, polystyrene foam, nails, etc.) within the reach of children. Packaging material is a potential source of danger for children.



WARNING
Risk of epileptic shock

Strobe lighting can trigger seizures in photosensitive epilepsy. Sensitive persons should avoid looking at strobe lights.



WARNING
Incorrect connection to a power source can cause injuries and damage of property.

Connection of the device to a power source must be carried out only by instructed or skilled persons.

- Make sure that the output voltage and the current of the power source match the input voltage and current of the device.
- Make sure that the conductors are connected correctly.
- Before connecting the power source to the power supply, make sure that the current, voltage and frequency match the input voltage, current and frequency specified on the information label on the power source.



Attention
General safety

- Do not connect the device to a dimmer pack.
- Do not switch the device on and off in short intervals. This reduces the device's life.
- Do not shake the device. Avoid brute force when installing or operating the device.
- Change the lens or the LEDs if they are visibly damaged to such an extent that their effectiveness is impaired, for example by cracks or deep scratches. Contact your Highlite International dealer for more information, as servicing can be performed only by instructed or skilled persons.
- If the device is dropped or struck, disconnect the device from the electrical power supply immediately.
- If the device is exposed to extreme temperature variations (e.g. after transportation), do not switch it on immediately. Let the device reach room temperature before switching it on, otherwise it may be damaged by the formed condensation.
- If the device fails to work properly, discontinue use immediately.

Attention
For professional use only
This device must be used only for the purposes it is designed for.

This device is intended for professional use as a wash luminaire. Any incorrect use may lead to hazardous situations and result in injuries and material damage.

- This device is not suitable for households and for general lighting.
- This device is not designed for permanent operation.
- This device does not contain user-serviceable parts. Unauthorized modifications to the device will render the warranty void. Such modifications may result in injuries and material damage.

Attention
Before each use, examine the device visually for any defects.

Make sure that:

- All screws used for installing the device or parts of the device are tightly fastened and are not corroded.
- The safety devices are not damaged.
- There are no deformations on housings, fixings and installation points.
- The lens is not cracked or damaged.
- The power cables are not damaged and do not show any material fatigue.

Attention
Do not expose the device to conditions that exceed the rated IP class conditions.

This device is IP65 rated. IP (Ingress Protection) 65 class means that the device is dust-tight and protected against harmful effect of water jets.

Keep the connectors sealed with the rubber caps when the connectors are not in use.

2.2. Requirements for the User

This product may be used by ordinary persons. Maintenance may be carried out by ordinary persons. Installation and service shall be carried out only by instructed or skilled persons. Contact your Highlite International dealer for more information.

Instructed persons have been instructed and trained by a skilled person, or are supervised by a skilled person, for specific tasks and work activities associated with the installation, service and maintenance of this product, so that they can identify risks and take precautions to avoid them.

Skilled persons have training or experience, which enables them to recognize risks and avoid hazards associated with the installation, service and maintenance of this product.

Ordinary persons are all persons other than instructed persons and skilled persons. Ordinary persons include not only users of the product but also any other persons that may have access to the device or who may be in the vicinity of the device.

2.3. Personal Protective Equipment

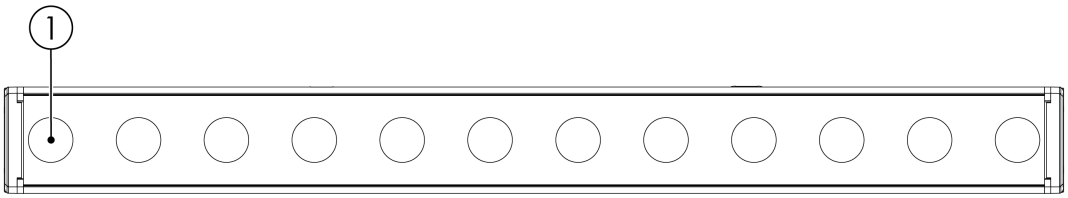
During installation, deinstallation and rigging wear personal protective equipment in compliance with the national and site-specific regulations.

3. Description of the Device

The Artecta Arenal 12/2 Bar is an RGB Warm White pixel bar with RDM support. Powered by an external 24V power supply, multiple fixtures can be connected together using FLEX cables. With an IP65 rating, it's ideal for illuminating outdoor areas including buildings and gardens.

3.1. Front View

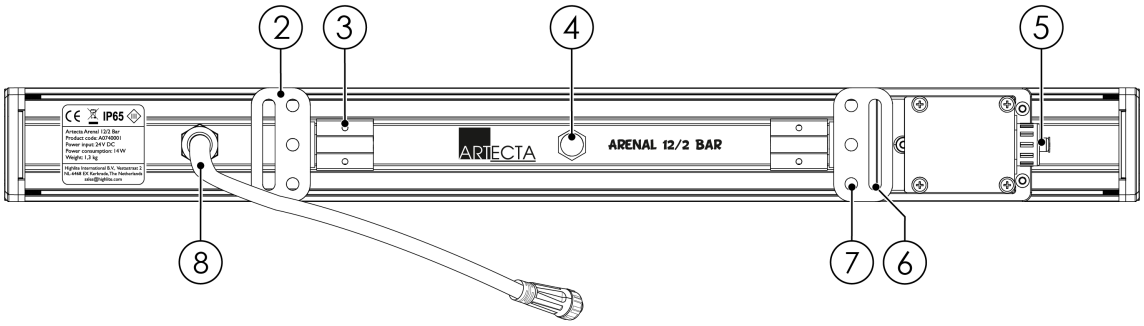
Figure 2



01) 12 x 2 W RGBW LED

3.2. Back View

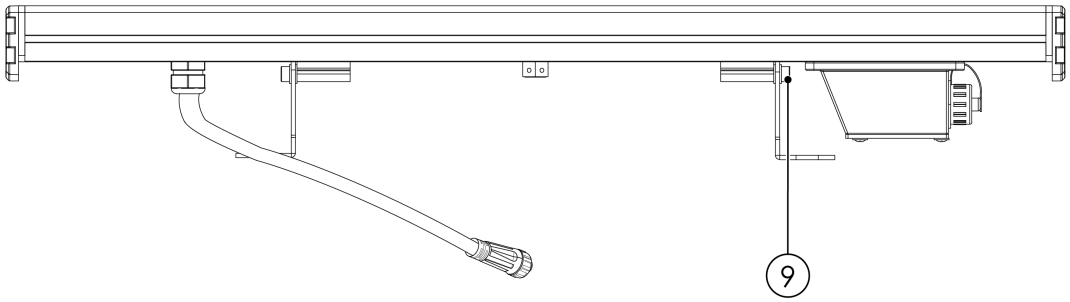
Figure 3



02) 2 x mounting bracket
03) 4 x mounting bracket screw (for adjusting the position of the mounting bracket)
04) Protective vent
05) IP65-rated connector OUT (signal and power) with a rubber cap
06) 2 x long mounting hole
07) 6 x round mounting hole
08) Fixed cable (0,3 m) with IP65-rated connector IN (signal and power)

3.3. Top View

Figure 4



09) 2 x angle adjustment screw

3.4. Product Specifications

Model:	Arenal 12/2 Bar

Source:	
Light source type	LED
Light source quantity	12
Light source power	2 W
LED color type	R / G / B / WW

Optical:	
Beam angle (horizontal)	10°
Beam angle (vertical)	60°

Control and Programming:	
Control mode	DMX / RDM
DMX channels	4 / 7 / 16 / 19
Protocols	DMX / RDM

Dynamic Effects:	
Dimmer	0–100 %

Electrical Specifications and Connections:	
Power consumption	14 W
Power connector OUT	FLEX & IP Pixelstrip connector female
DMX connector OUT	FLEX & IP Pixelstrip connector female

Mechanical Specifications:	
Length	500 mm
Width	50 mm
Height	73 mm
Weight	1,28 kg
IP rating	IP65
Housing	Aluminum
Color	Dark gray

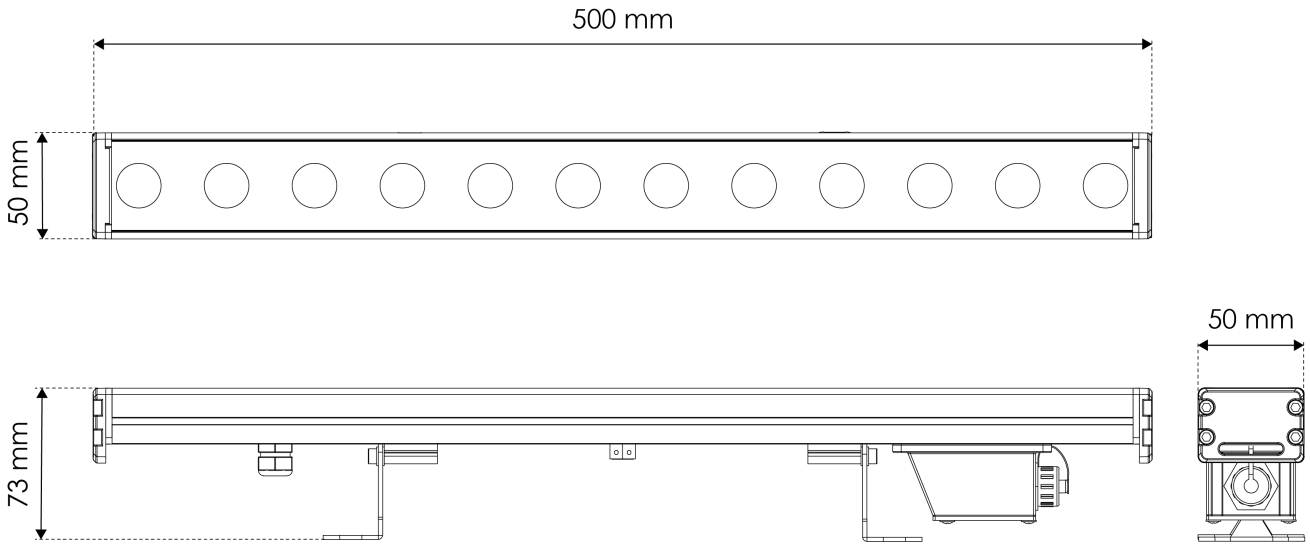
Product Properties:	
Cooling	Convection

Thermal Specifications:	
Maximum ambient temperature	40 °C
Minimum operating temperature	-5 °C

Included Items:	
Included cables	FLEX & IP Pixelstrip cable male – loose wires / FLEX & IP Pixelstrip cable female – loose wires

3.5. Dimensions

Figure 5



3.6. Compatible Controllers

The Arenal 12/2 Bar requires a DMX controller that can change the RDM settings of a connected fixture.

The following compatible controllers are available:

- 50393 Assistant
- 50394 Assistant CRMX
- 50409 RDM Touch DMX Tester

Contact your Highlite International dealer for more information.

4. Installation

4.1. Safety Instructions for Installation



WARNING
Incorrect installation can cause serious injuries and damage of property.

4.2. Installation Site Requirements

- The device can be used indoors and outdoors.
- The device must be installed away from heating sources and direct sunlight.
- The ambient temperature must be in the range -5 and 40 °C.

4.3. Installation on a Flat Surface

You can install the device on a flat surface, such as a wall or ceiling. To install the device on a flat surface, you need the following:

- an allen key
- a drill
- a drill bit (for wood or concrete)
- 4 anchors (if applicable)
- 4 screws

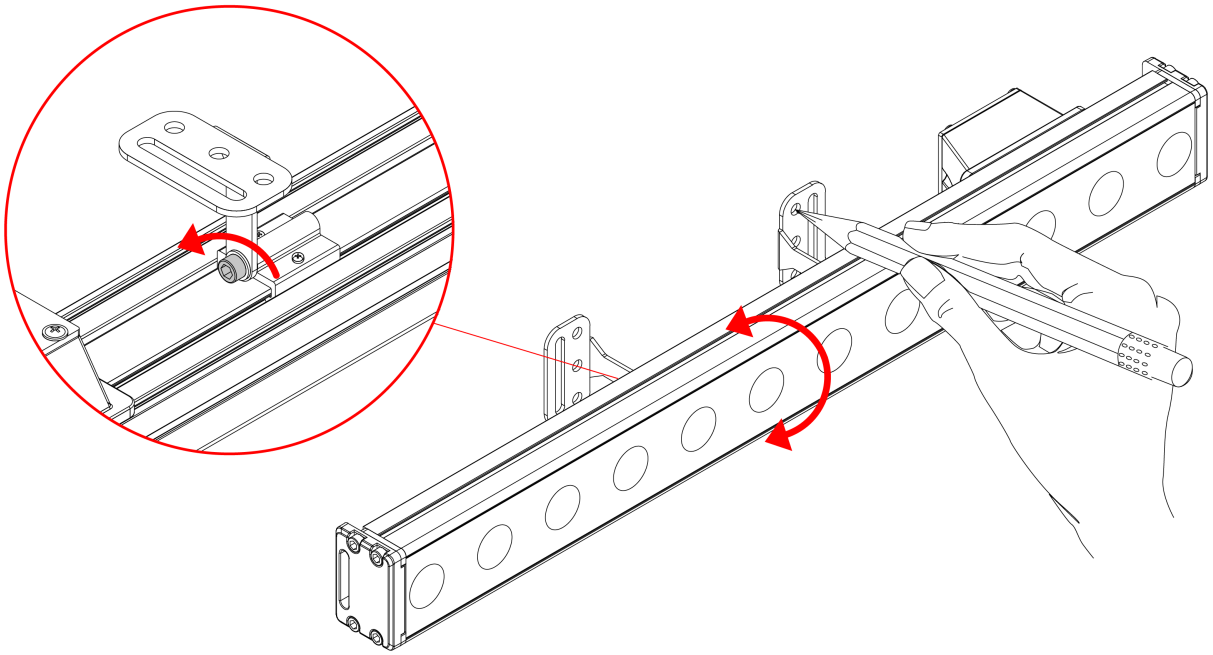
Notes:

- Make sure that the drilling location for the mounting holes is free of obstructions such as pipes, ducts, or wires.
- Do not drill into mortar joints. Screws installed in mortar joints cannot safely support the weight of the device.

To mount the device on a flat surface follow the steps below:

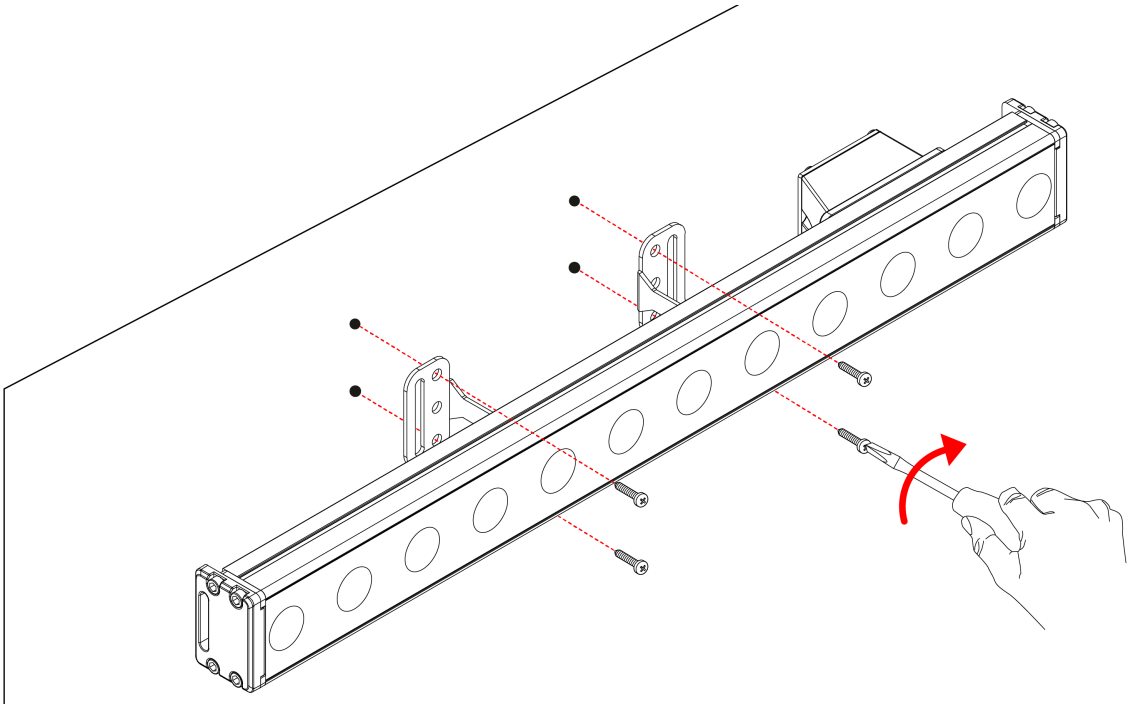
01) Adjust the position of the **mounting brackets (02)** (if necessary) (see 4.3.1. Adjusting the Mounting Bracket Position).
02) Use an allen key to loosen the 2 **angle adjustment screws (09)** on the side of the 2 **mounting brackets (02)**.
03) Hold the **mounting brackets (02)** of the device against the flat surface and mark the position of the 4 top and bottom **round mounting holes (07)** on the flat surface. Rotate the device up and down to reach the top and bottom **round mounting holes (07)**.

Figure 6



04) Drill holes at the 4 marked locations.
05) Insert anchors into the drilled holes, if applicable.
06) Insert and tighten the 4 screws through the 4 **mounting holes (07)** into the 4 drilled holes to fasten the device to the flat surface.

Figure 7



07) Adjust the angle of the device.
08) Use an allen key to tighten the 2 **angle adjustment screws (09)** on the side of the 2 **mountings brackets (02)**.

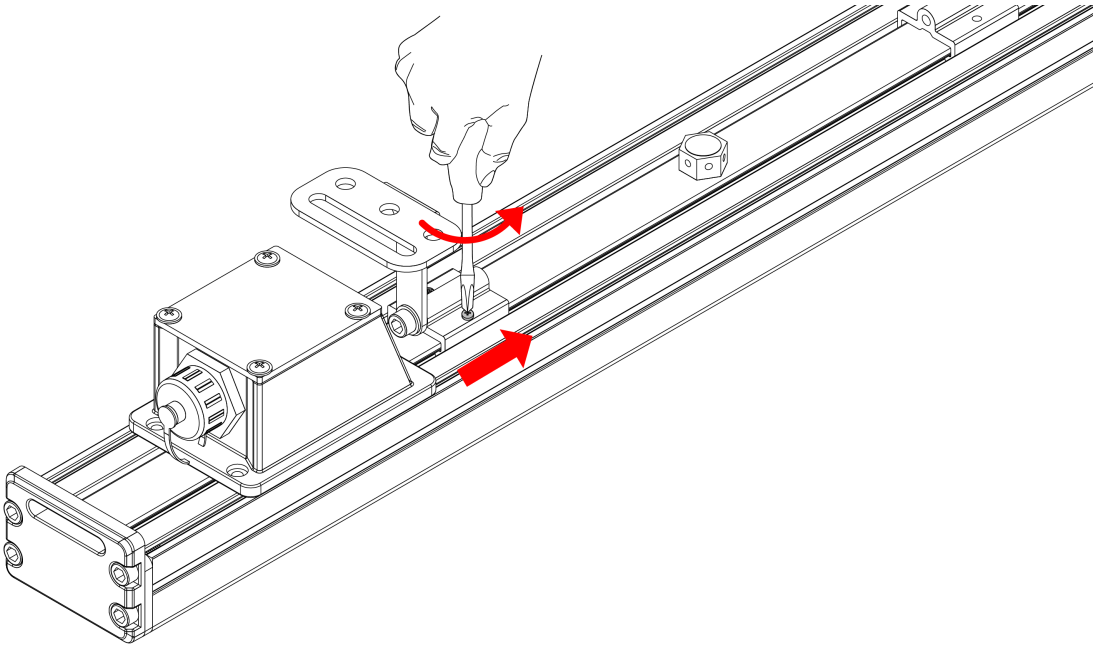
4.3.1. Adjusting the Mounting Bracket Position

The position of the **mounting brackets (02)** can be adjusted sideways for more flexibility when installing the device on a flat surface.

To adjust the position of the **mounting brackets (02)** follow the steps below:

01) Use a screwdriver to loosen the 4 screws on the 2 **mounting brackets (02)**.
02) Slide the 2 **mounting brackets (02)** to the correct position.
03) Use a screwdriver to tighten the 4 screws on the 2 **mounting brackets (02)**.

Figure 8



4.4. Connecting a 24 V DC Power Source



WARNING
Incorrect connection to a power source can cause injuries and damage of property.

Connection of the device to a power source must be carried out only by instructed or skilled persons.

- Make sure that the output voltage and the current of the power source match the input voltage and current of the device.
- Make sure that the conductors are connected correctly.
- Before connecting the power source to the power supply, make sure that the current, voltage and frequency match the input voltage, current and frequency specified on the information label on the power source.

The Arenal 12/2 Bar is delivered with 2 open-ended FLEX & IP Pixelstrip cables (male and female). Before use, one of these cables must be connected to a 24 V DC power source (see 5.2. Setup Example on page 15).

The color coding of the cable wires is as follows:

Wire Color	**Function**
Red	+24 V DC
Black	Ground
White	Signal A
Blue	Signal B
Green	No function

The device is powered when the power source is connected to power supply.

5. Setup

5.1. Warnings and Precautions

CAUTION
Risk of electric shock

This device is IP65 rated.

- Do not expose the device to conditions that exceed the rated IP class conditions.
- Keep the connectors sealed with the rubber caps when the connectors are not in use.
- Do not connect the cables from above the connectors, if the device is installed outdoors. Make a 'drip loop' in the cable so that rain water cannot enter the device.
- Make sure that the cable run is not too heavy. A heavy cable run can cause damage to the connectors. If the connectors are damaged, their ingress protection (IP) can deteriorate.

5.2. Setup Example

The Arenal 12/2 Bar can be used in various setups. For a basic setup, you need a 24 V DC LED power source and a DMX controller or a DMX tool that can change the RDM settings of a connected fixture (see 3.6. Compatible Controllers on page 10).

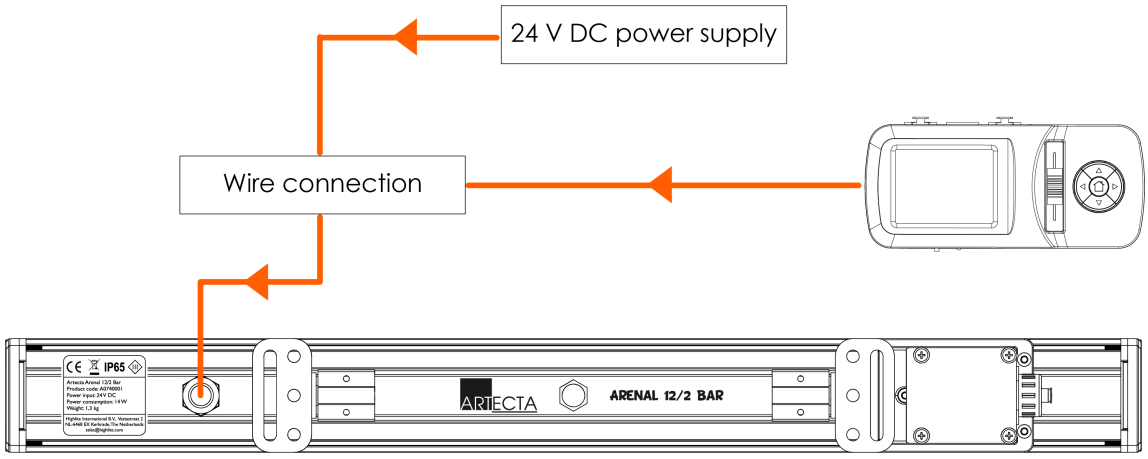
Note:

The Arenal 12/2 Bar is delivered with 2 FLEX & IP Pixelstrip cables, 1 with a male connector and 1 with a female connector. For a basic setup, only the FLEX & IP Pixelstrip cable with the female connector is required. The FLEX & IP Pixelstrip cable with the male connector can be used for custom setups.

To create a basic setup for the Arenal 12/2 Bar, follow the steps below:

01) Connect the wires of the included FLEX & IP Pixelstrip cable (female – loose wires) to the 24 V DC LED power source and the DMX controller (see 4.4. Connecting a 24 V DC Power Source on page 14).
02) Connect the other end of the FLEX & IP Pixelstrip cable to the **fixed cable with IP65-rated connector IN (08)** of the Arenal 12/2 Bar.

Figure 9



5.3. DMX Connection

5.3.1. DMX-512 Protocol

You need a DMX serial data link to run light shows of one or more devices using a DMX-512 controller.

The Arenal 12/2 Bar has dedicated IN and OUT connectors for signal and power. A wire connection must be made between the IN connector of the Arenal 12/2 Bar, a 24 V DC power source and a DMX cable. The DMX cable can be 3-pin or 5-pin.

Devices on a serial data link must be daisy-chained in a single line. The number of devices that you can control on one data link is limited by the combined number of the DMX channels of the connected devices and the 512 channels available in one DMX universe.

To comply with the TIA-485 standard, no more than 32 devices should be connected on one data link. In order to connect more than 32 devices on one data link, you must use a DMX optically isolated splitter/booster, otherwise this may result in deterioration of the DMX signal.

Note:

- Maximum recommended DMX data link distance: 300 m
- Maximum recommended number of devices on a DMX data link: 32 devices

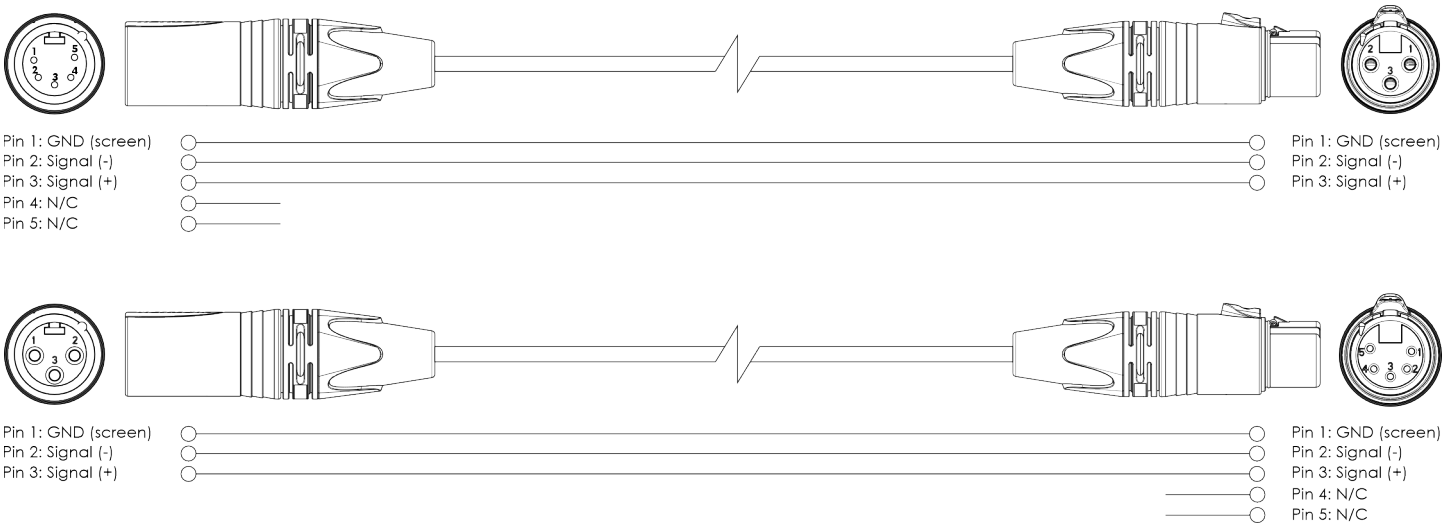
5.3.2. DMX Cables

Shielded twisted-pair cables with 3-pin/5-pin XLR connectors must be used for reliable DMX connection. You can purchase DMX cables directly from your Highlite International dealer or make your own cables.

If you use XLR audio cables for DMX data transmission, this may lead to signal degradation and unreliable operation of the DMX network.

When you make your own DMX cables, make sure that you connect the pins and wires correctly as shown in the figure below.

Figure 10

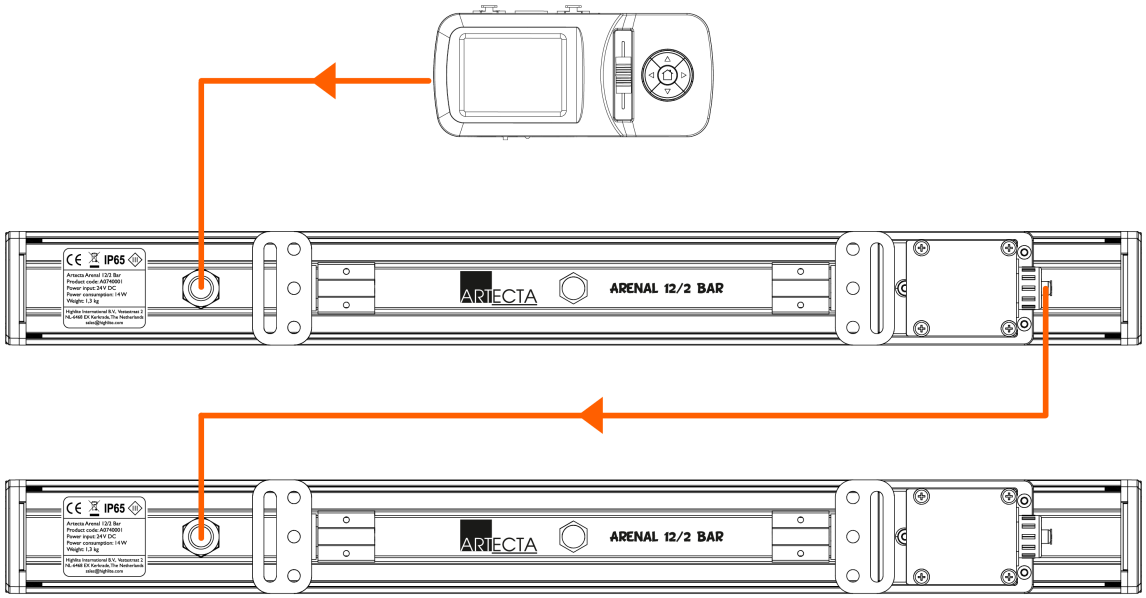


5.3.3. DMX Linking

To connect multiple devices on one DMX data link, follow the steps below:

01) Connect a DMX controller (see 3.6. Compatible Controllers on page 10) to the **fixed cable with IP65-rated connector IN (08)** of the 1st Arenal 12/2 Bar device (see 5.2. Setup Example on page 15).
02) Connect the **fixed cable with IP65-rated connector IN (08)** of the 2nd device to the DMX OUT connector of the 1st device.
03) Repeat step 2 to connect all devices in a daisy-chain.

Figure 11



5.3.4. DMX Addressing

In a setup with multiple devices, make sure that you set the DMX starting address of each device correctly. The Arenal 12/2 Bar has 4 personalities: RGBW (4 channels), Basic (7 channels), Pixel (16 channels), Extended (19 channels).

If you want to connect multiple devices on one data link and use them in 19-channel mode, for example, follow the steps below:

01) Set the starting address of the 1st device on the data link to 1 (001).
02) Set the starting address of the 2nd device on the data link to 20 (020), as 1 + 19 = 20.
03) Set the starting address of the 3rd device on the data link to 39 (039), as 20 + 19 = 39.
04) Continue assigning the starting addresses of the remaining devices by adding 19 each time to the previous number.

When addressing multiple devices on one data link, make sure that there are no overlapping channels. You cannot control devices individually if they have overlapping channels.

6. Operation

6.1. Safety Instructions for Operation



Attention
This device must be used only for the purposes it is designed for.

This device is intended for professional use as a wash luminaire. It can be installed indoors and outdoors. This device is not suitable for households and for general lighting.

Any other use, not mentioned under intended use, is regarded as non-intended and incorrect use.



Attention
Power supply

Connect the device only using the dedicated cables.

6.2. Operation with a DMX Controller

The Arenal 12/2 Bar can only be controlled with a DMX controller with RDM support (see 3.6. Compatible Controllers on page 10). Refer to the user manual of your DMX controller for more information.

To operate the device with a DMX controller, follow the steps below:

01) Connect all the Arenal 12/2 Bar devices in your setup to the DMX controller (see 5.3.3. DMX Linking on page 17).
02) Set the DMX starting address of the 1st Arenal 12/2 Bar in the RDM settings of the device on the DMX controller (see 5.3.4. DMX Addressing on page 17).
03) Set the DMX personality of the 1st Arenal 12/2 Bar in the RDM settings of the device on the DMX controller (see 6.3. DMX Channels on page 19).
04) Repeat steps 2 and 3 for additional Arenal 12/2 Bar devices.

6.3. DMX Channels

6.3.1. White and RGB LEDs per DMX Personality

	RGBW	Basic	Pixel	Extended
Red LED	All LEDs	All LEDs	4 sections	4 sections
Green LED	All LEDs	All LEDs	4 sections	4 sections
Blue LED	All LEDs	All LEDs	4 sections	4 sections
White LED	All LEDs	All LEDs	4 sections	4 sections

6.3.2. Functions per DMX Personality

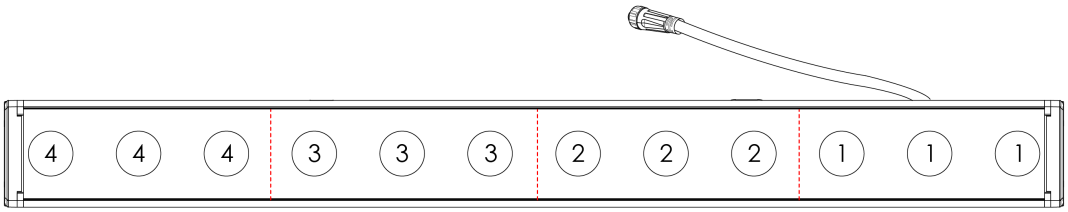
Function	RGBW	Basic	Pixel	Extended
Dimmer				
Strobe				
CTC				
Red (All Sections)				
Green (All Sections)				
Blue (All Sections)				
White (All Sections)				
Red (4 Sections)				
Green (4 Sections)				
Blue (4 Sections)				
White (4 Sections)				

6.3.3. RGBW (4 Channels), Basic (7 Channels)

RGBW	Basic	Function	Value	Setting
	1	**Dimmer**	000–255	From low to high intensity (0–100 %)
	2	**Strobe**	000–004	No function
			005–127	Linear strobe speed (0–20 Hz)
			128–189	All LEDs, random strobe, from low to high frequency
			190–255	Sectional LEDs, random strobe, from low to high frequency
	3	**CTC**	000–255	Color temperature (2400–2400 K)
1	**4**	**Red**	000–255	From low to high intensity (0–100 %)
2	**5**	**Green**	000–255	From low to high intensity (0–100 %)
3	**6**	**Blue**	000–255	From low to high intensity (0–100 %)
4	**7**	**White**	000–255	From low to high intensity (0–100 %)

6.3.4. Pixel (16 Channels), Extended (19 Channels)

Figure 12



Pixel	Extended	Function	Value	Setting
	1	**Dimmer**	000–255	From low to high intensity (0–100 %)
	2	**Strobe**	000–004	No function
			005–127	Linear strobe speed (0–20 Hz)
			128–189	All LEDs, random strobe, from low to high frequency
			190–255	Sectional LEDs, random strobe, from low to high frequency
	3	**CTC**	000–255	Color temperature (2400–2400 K)
1	4	**Red (Section 1 of 4)**	000–255	From low to high intensity (0–100 %)
2	5	**Green (Section 1 of 4)**	000–255	From low to high intensity (0–100 %)
3	6	**Blue (Section 1 of 4)**	000–255	From low to high intensity (0–100 %)
4	7	**White (Section 1 of 4)**	000–255	From low to high intensity (0–100 %)
5	8	**Red (Section 2 of 4)**	000–255	From low to high intensity (0–100 %)
6	9	**Green (Section 2 of 4)**	000–255	From low to high intensity (0–100 %)
7	10	**Blue (Section 2 of 4)**	000–255	From low to high intensity (0–100 %)
8	11	**White (Section 2 of 4)**	000–255	From low to high intensity (0–100 %)
9	12	**Red (Section 3 of 4)**	000–255	From low to high intensity (0–100 %)
10	13	**Green (Section 3 of 4)**	000–255	From low to high intensity (0–100 %)
11	14	**Blue (Section 3 of 4)**	000–255	From low to high intensity (0–100 %)
12	15	**White (Section 3 of 4)**	000–255	From low to high intensity (0–100 %)
13	16	**Red (Section 4 of 4)**	000–255	From low to high intensity (0–100 %)
14	17	**Green (Section 4 of 4)**	000–255	From low to high intensity (0–100 %)
15	18	**Blue (Section 4 of 4)**	000–255	From low to high intensity (0–100 %)
16	19	**White (Section 4 of 4)**	000–255	From low to high intensity (0–100 %)

6.4. RDM Information

This device supports RDM (see 6.4.2. Supported RDM PIDs (Parameter IDs)).

6.4.1. RDM Details

- Responder ID: 29B4:025xxxxx
- Manufacturer's ID: Artecta (Highlite International B.V.)
- Manufacturer Label: Artecta
- Model Description: Arenal 12/2 Bar
- Model ID: 037 (025 hexadecimal)
- Device Label: Arenal 12/2 Bar

Note:

An RDM responder ID consists of 3 parts:

- 1st part – 4 digits – Manufacturer's ID
- 2nd part – 3 digits – Model ID
- 3rd part – 5 digits – Unique ID

The RDM responder IDs of all products of Highlite International start with the same 4 digits. The first 7 digits of the RDM responder ID for each model are the same. The last 5 digits are different for each device.

6.4.2. Supported RDM PIDs (Parameter IDs)

RDM Parameter ID	Value	Required	GET	SET
SUPPORTED_PARAMETERS	0x0050	*	*	
DEVICE_MODEL_DESCRIPTION	0x0080		*	
MANUFACTURER_LABEL	0x0081		*	
DEVICE_LABEL	0x0082		*	*
FACTORY_DEFAULTS	0x0090		*	*
DMX_PERSONALITY	0x00E0		*	*
DMX_PERSONALITY_DESCRIPTION	0x00E1		*	
DMX_START_ADDRESS	0x00F0	*	*	*
RESET_DEVICE	0x1001			*

7. Troubleshooting

This troubleshooting guide contains solutions to problems which can be carried out by an ordinary person. The device does not contain user-serviceable parts.

Unauthorized modifications to the device will render the warranty void. Such modifications may result in injuries and material damage.

Refer servicing to instructed or skilled persons. Contact your Highlite International dealer in case the solution is not described in the table.

Problem	Probable cause(s)	Solution
The device does not function at all	No power to the device	• Make sure that the device is connected to power supply (see 5.2. Setup Example on page 15)
	The LEDs are defective	• Contact your Artecta dealer
The device does not respond to DMX control	The controller is not connected	• Check if the fixture is connected to the controller (see 5.2. Setup Example on page 15)
	The signal is reversed. The 3-pin/5-pin DMX Out of the controller does not match the DMX In of the device	• Install a phase-reversing cable between the controller and the device
The device responds erratically to DMX control	The controller is defective	• Try using another controller
	Connections are defective	• Examine connections and cables. Correct defective connections. Repair or replace damaged cables
	Incorrect addressing	• Make sure that the address settings on the controller are correct (see 6.2. Operation with a DMX Controller on page 18)
	In case of a setup with multiple devices, one of the devices is defective and disturbs data transmission on the link	• To find out the defective device, bypass one device at a time until normal operation is restored
No lights or LEDs cut out intermittently	The LEDs are defective	• Disconnect the device and contact your Artecta dealer
	The input power parameters of the device and power source do not match local AC voltage frequency	• Disconnect the device. Make sure that the local current, voltage and frequency match the input voltage, current and frequency specified on the information label on the device and the power source (see 4.4. Connecting a 24 V DC Power Source on page 14)

8. Maintenance

8.1. Safety Instructions for Maintenance



CAUTION
Risk of electric shock

Disconnect power supply before servicing or cleaning.

8.2. Preventive Maintenance



Attention
Before each use, examine the device visually for any defects.

Make sure that:

- All screws used for installing the device or parts of the device are tightly fastened and are not corroded.
- There are no deformations on housings, fixings and installation points.
- The power cables are not damaged and do not show any material fatigue.

8.2.1. Basic Cleaning Instructions

The external lens of the device must be cleaned periodically in order to optimize the light output. The cleaning schedule depends on the conditions at the site where the device is installed. When smoke or fog machines are used at the site, the device will need more frequent cleaning. On the other hand, if the device is installed in well-ventilated area, it will need less frequent cleaning. To establish a cleaning schedule, examine the device at regular intervals during the first 100 hours of operation.

To clean the device, follow the steps below:

01) Disconnect the device from the electrical power supply.
02) Allow the device to cool down for at least 15 minutes.
03) Remove the dust collected on the external surface with dry compressed air and a soft brush.
04) Clean the lens with a damp cloth. Use a mild detergent solution.
05) Dry the lens carefully with a lint-free cloth.
06) Clean the connectors with a damp cloth.



Attention

- Do not immerse the device in liquid.
- Do not use alcohol or solvents.
- Make sure that the connectors are fully dry before using them.

8.3. Corrective Maintenance

The device does not contain user-serviceable parts. Do not open the device and do not modify the device.

Refer repairs and servicing to instructed or skilled persons. Contact your Highlite International dealer for more information.

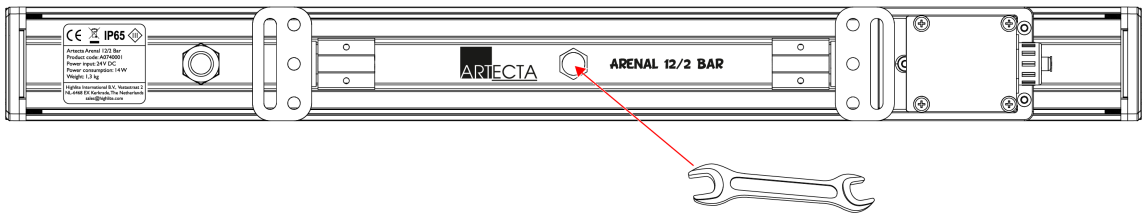
8.3.1. Draining Condensation Water

The Arenal 12/2 Bar is IP65 rated. The device can resist water jets. If the device is exposed to extreme humid conditions during use, condensation may collect inside the device. This can happen also during transportation, if the device is exposed to extreme temperature variations.

If condensation water collects inside the device, follow the steps below to remove the condensation water:

01) Carefully remove the **protective vent (04)** with a wrench (16 mm).
02) Let the device operate with the lamp at full output for 60 minutes.
03) Let the device cool down for 30 minutes.
04) Reinstall the **protective vent (04)**. Make sure that you do not overtighten.

Figure 13



9. Deinstallation, Transportation and Storage

9.1. Instructions for Deinstallation

WARNING
Incorrect deinstallation can cause serious injuries and damage of property.

- Let the device cool down before dismounting.
- Disconnect power supply before deinstallation.
- Always observe the national and site-specific regulations during deinstallation and derigging of the device.
- Wear personal protective equipment in compliance with the national and site-specific regulations.

9.2. Instructions for Transportation

- Use the original packaging to transport the device, if possible.
- Always observe the handling instructions printed on the outer carton box, for example: "Handle with care", "This side up", "Fragile".

9.3. Storage

- Clean the device before storing (see 8.2.1. Basic Cleaning Instructions on page 23).
- Store the device in the original packaging, if possible.

10. Disposal



Correct disposal of this product

Waste Electrical and Electronic Equipment

This symbol on the product, its packaging or documents indicates that the product shall not be treated as household waste. Dispose of this product by handing it to the respective collection point for recycling of electrical and electronic equipment. This is to avoid environmental damage or personal injury due to uncontrolled waste disposal. For more detailed information about recycling of this product contact the local authorities or the authorized dealer.

11. Approval

CE

Check the respective product page on the website of Highlite International (www.highlite.com) for an available declaration of conformity.