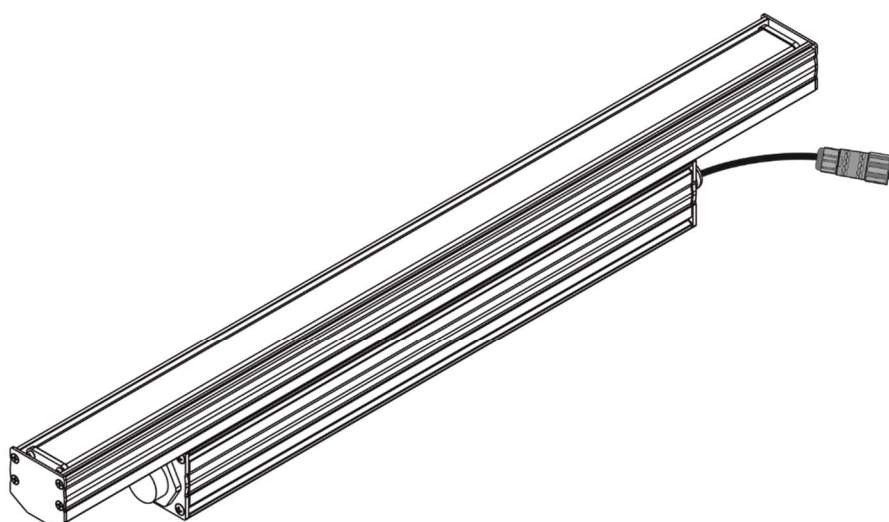




ArcLine DVP 600 Integral **ArcLine DVP 900 Integral** **ArcLine DVP 1200 Integral**



USER MANUAL

Version 1.5

Table of contents

| | |
|---|----|
| 1. Safety instructions | 3 |
| 2. Fixture exterior view | 4 |
| 3. Installation | 5 |
| 3.1 Mounting the fixture | 5 |
| 3.2 Connecting to mains | 5 |
| 3.2 Connecting ArcLines DVP Integral with the Data Configurator | 7 |
| 3.3 Installing diffuser | 9 |
| 4. Technical specifications | 11 |
| 5. Cleaning and maintenance | 14 |
| 5.1 Disposing of the product | 14 |

**FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY
BEFORE POWERING OR INSTALLING YOUR ArcLine DVP Integral !
Save it for future reference.**

This device has left our premises in absolutely perfect condition. In order to maintain this condition and to ensure safe operation, it is absolutely necessary for the user to follow the safety instructions and warnings written in this manual.

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

Unauthorized modification will void warranty.

1. Safety instructions

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

This fixture should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied, consult your authorized distributor or local power company.

Always disconnect the fixture from AC power before cleaning, servicing or installing.

Do not overload wall outlets and extension cords as this can result in fire or electric shock.

Make sure the power cord is never crimped or damaged by sharp edges. Check the fixture and the power cord from time to time.

Do not install the unit near an open flame.

During operation the housing becomes hot.

Refer servicing to qualified service personnel.

This fixture falls under protection class I. Therefore this fixture has to be connected to a mains socket outlet with a protective earthing connection.

Do not connect this fixture to a dimmer pack.

LED light emission. Risk of eye injury. Do not look into the beam from a short distance without suitable protective eyewear. Do not look at LEDs with magnifiers or similar optical instruments that may concentrate the light output.

Keep combustible materials at least 20 cm away from the fixture.

If the fixture has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation of water might damage your device. Leave the device switched off until it has reached room temperature.

Avoid brute force when installing or operating the fixture.

The fixture was designed for outdoor use. This fixture must not be used for underwater installation.

When choosing the installation spot, please make sure that the fixture is not exposed to extreme heat or dust.

Avoid using the unit in locations subject to possible impacts.

The fixture body never must be covered with cloth or other materials when the fixture is under operation.

Only operate the fixture after having checked that the housing is firmly closed and all screws are tightly fastened.

The fixture becomes hot during operation. Allow the fixture to cool approximately 30 minutes prior to servicing or maintenance.

Operate the fixture only after having familiarized yourself with its functions. Do not permit operation by persons not qualified to operate the fixture. Most damages are the result of unprofessional operation!

Please consider that unauthorized modifications on the fixture are forbidden due to safety reasons!

Please use the original packaging if the fixture is to be transported.

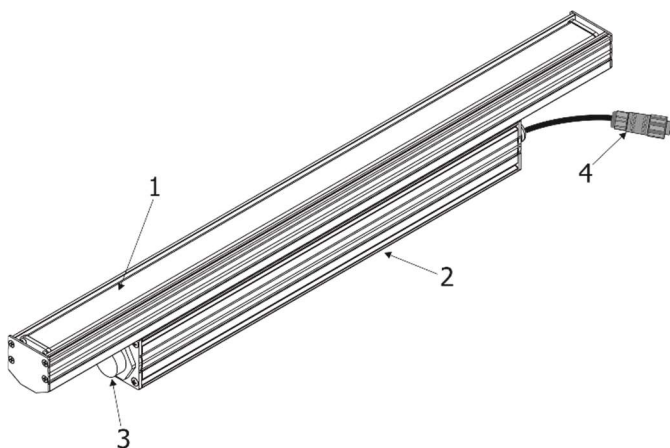
If this device will be operated in any way different to the one described in this manual, the product may suffer damages and the warranty becomes void. Furthermore, any other operation may lead to dangers like short-circuit, burns, electric shock etc.

Immunity of the equipment is designed for electromagnetic environments E1, E2, E3 according to the standard EN55103-2 ed.2 Electromagnetic compatibility. Product family standard for audio, video, audiovisual and entertainment lighting control apparatus for professional use. Part 2: Immunity.

The installation company should check levels of possible interferences above the tested levels E1,E2,E3 given by this standard (e.g. transmitters in surrounding area) before installing the equipment.

Emission of the equipment complies with the standard EN55032 Electromagnetic compatibility of multimedia equipment – Emission Requirements according to class B.

2. Fixture exterior view



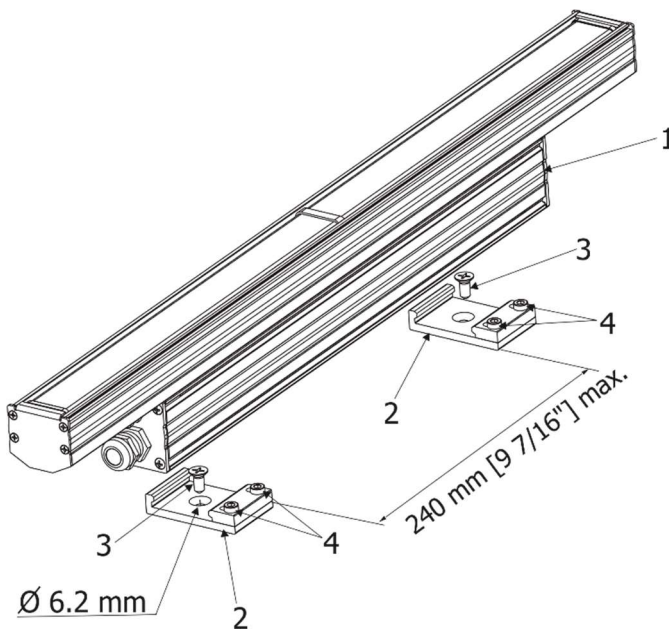
- 1. Transparent cover (polycarbonate)
- 2. Aluminium housing
- 3. Output connector
- 4. Input connector

3. Installation

3.1 Mounting the fixture

The ArcLine DVP Integral (1) can be arranged in any orientation on a flat, non-flammable surface by means of the wall mount adaptor .

1. Screw both wall mount adaptors (2) on a flat surface by means of suitable flat-head screws (3). The hole in the wall mount adaptor (2) has a diameter of 6.2mm.
2. Loosen both screws (4) in the wall mount adaptor (2) and slide the ArcLine DVP Integral (1) into the wall mount adaptors (2) and tighten it with the screws M5x12 (4).



Ensure that the structure to which you are attaching the unit is secure.


3.2 Connecting to mains

The unit must be installed by a qualified electrician in accordance with all national and local electrical and construction codes and regulations.

This device falls under class one and must be grounded!

The ArcLine DVP Integral is equipped with auto-switching power supply that automatically adjusts to any 50-60Hz AC power source from 100-277 Volts.

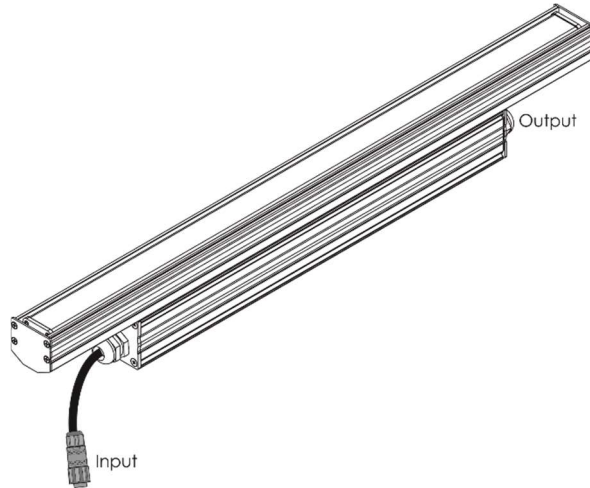
A 5-cored cable Flamar Li9YC11Y with 12-pin connector Chogori serves for data/power input. Three cores serve for the power supply and next 2 shielded cores are intended for DMX connection as shown in the table.

| Core | Connection | Core | Connection |
|--------------|---|-----------|------------|
| Black | Live | Red | Data + |
| Blue | Neutral | White | Data - |
| Yellow/Green |  | Shielding | 0 |

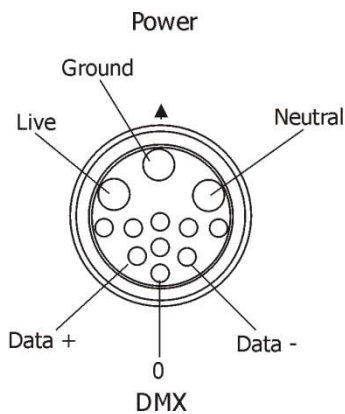
ArcLine DVP Integral

The ArcLine DVP module should be connected to the Data Configurator unit which supplies power to the ArcLine DVP modules and allows their addressing and setting. Please see the user manual of the Data Configurator.

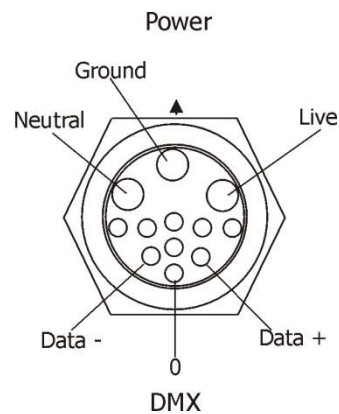
Wiring of input/output connectors:



Input - cable connector
(rear view - from side of soldering)



Output - panel connector
(rear view - from side of soldering)



Fixture's Chogori panel/cable connectors are dust and water protected according to IP 67 by mating with related Chogori cable/panel connectors.

They cannot stay disconnected outdoor.

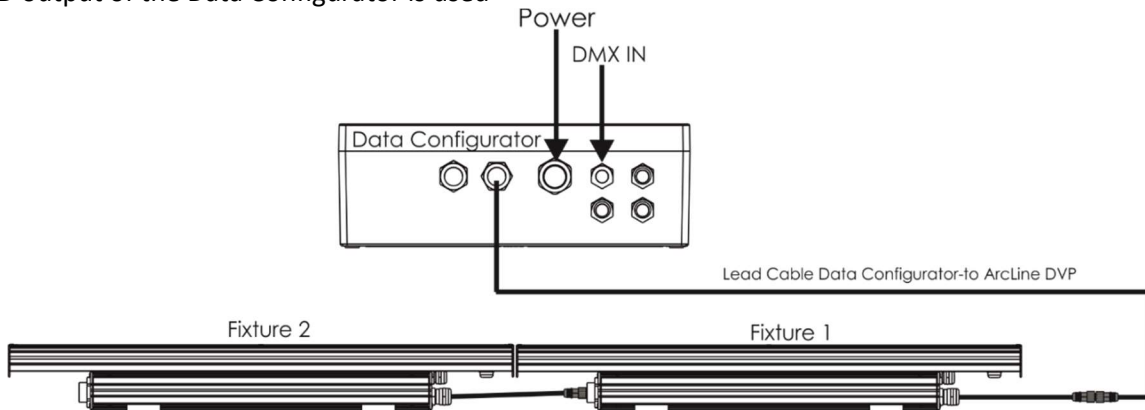
To protect input/output connectors against dust during fixtures installation, cover the input connector with dust-tight cap and the output connector with the water-tight cap.

Output panel connector at last fixture in a ArcLine DVP Integral chain has to always be covered with the water-tight cap to keep declared IP rating.

3.2 Connecting ArcLines DVP Integral with the Data Configurator

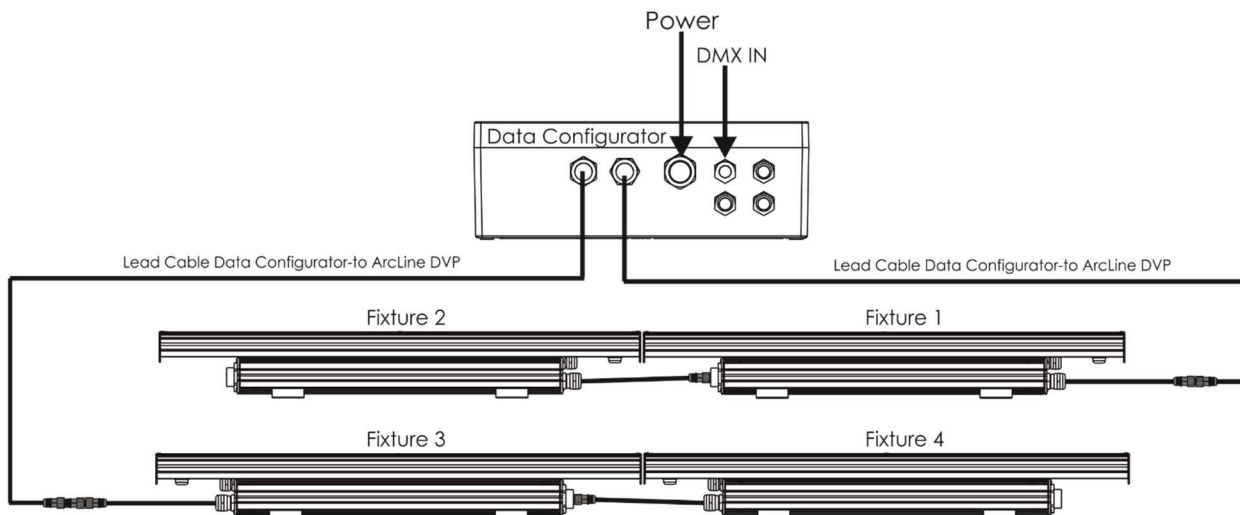
The Data Configurator offers two LED outputs (A,B) for connecting ArcLine DVP fixtures. You can use one or both outputs depending on size and conditions of installation as shown on the pictures below.

One LED output of the Data Configurator is used

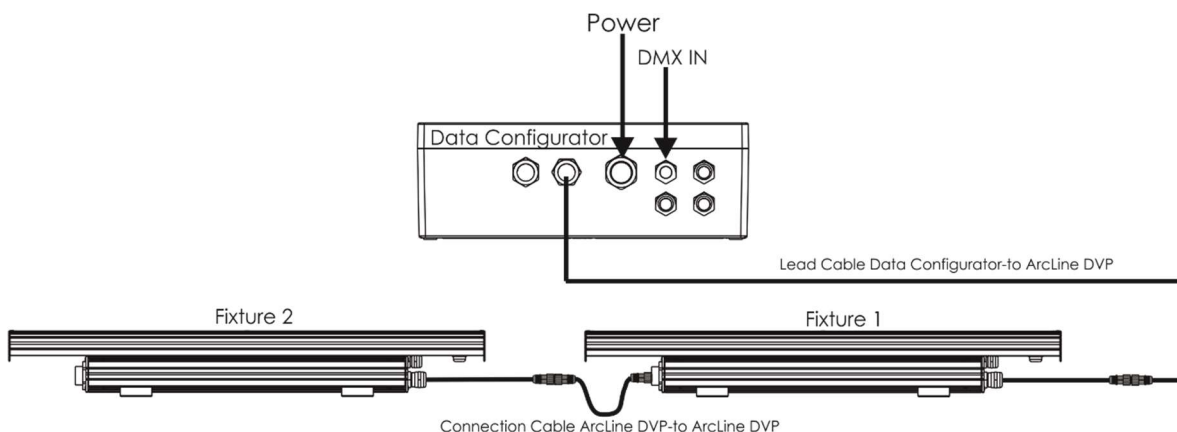


For connection between the Data Configurator and first ArcLine DVP fixture an accessory connection cable is required, the Lead Cable Data Configurator - to - ArcLine DVP cable.

Both LED outputs of the Data Configurator are used

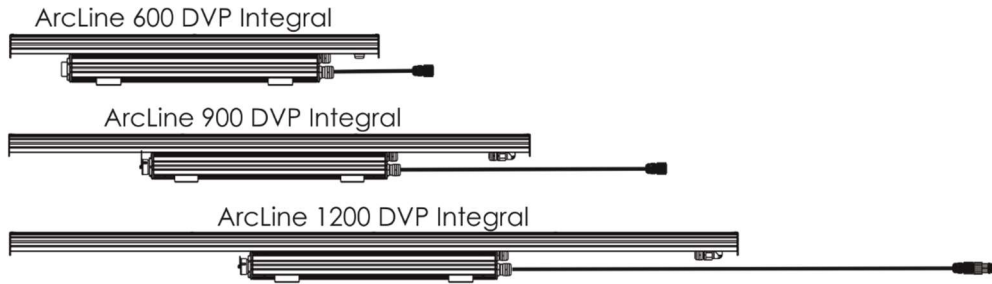


ArcLine DVP Integral of the same type (eg. two ArcLine DVP 600 Integral) may be placed closely together in a row. If more space between each unit is needed, the Connection Cable ArcLine DVP - to - ArcLine DVP must be used..

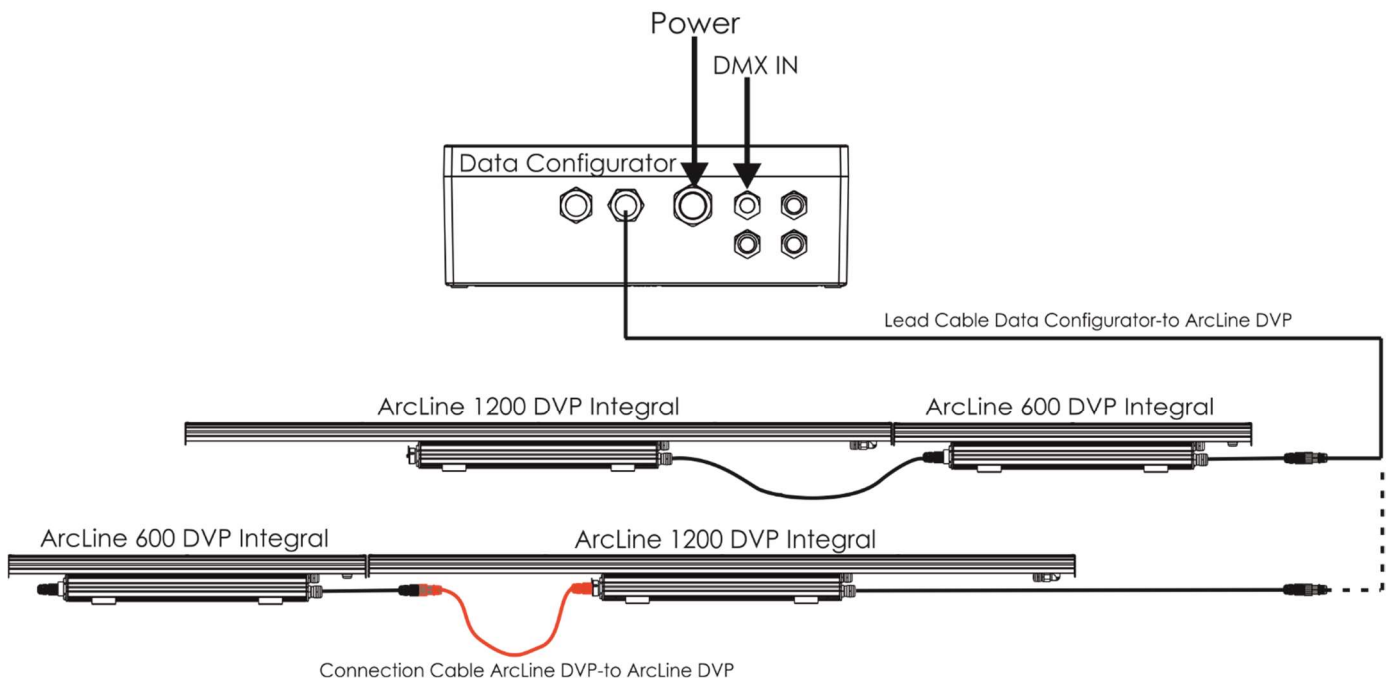
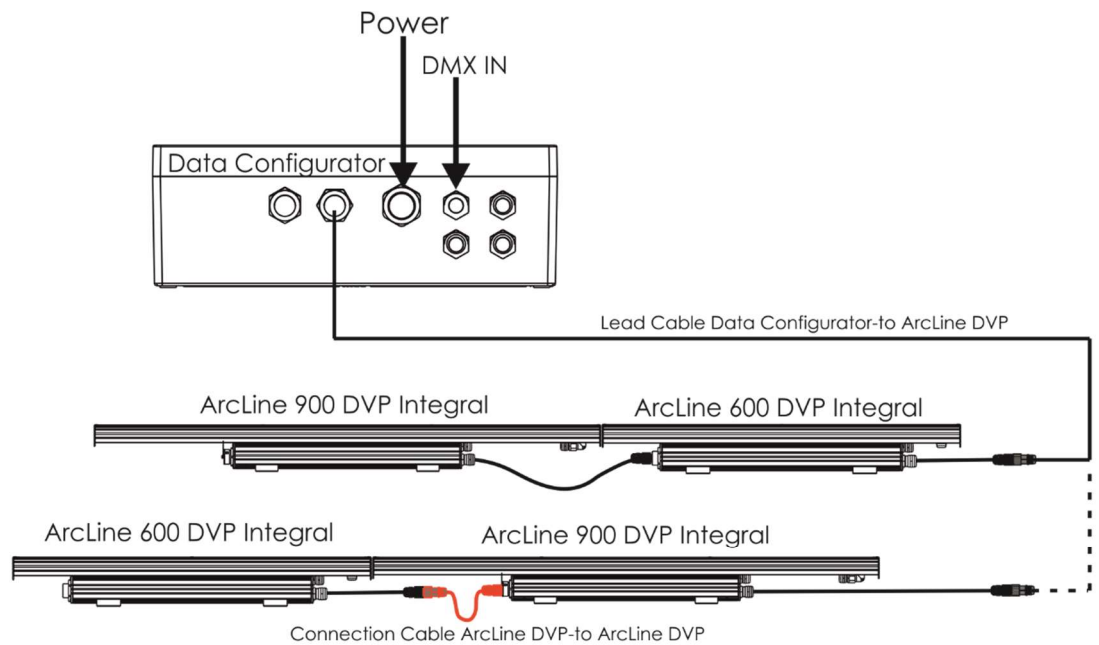


ArcLine DVP Integral

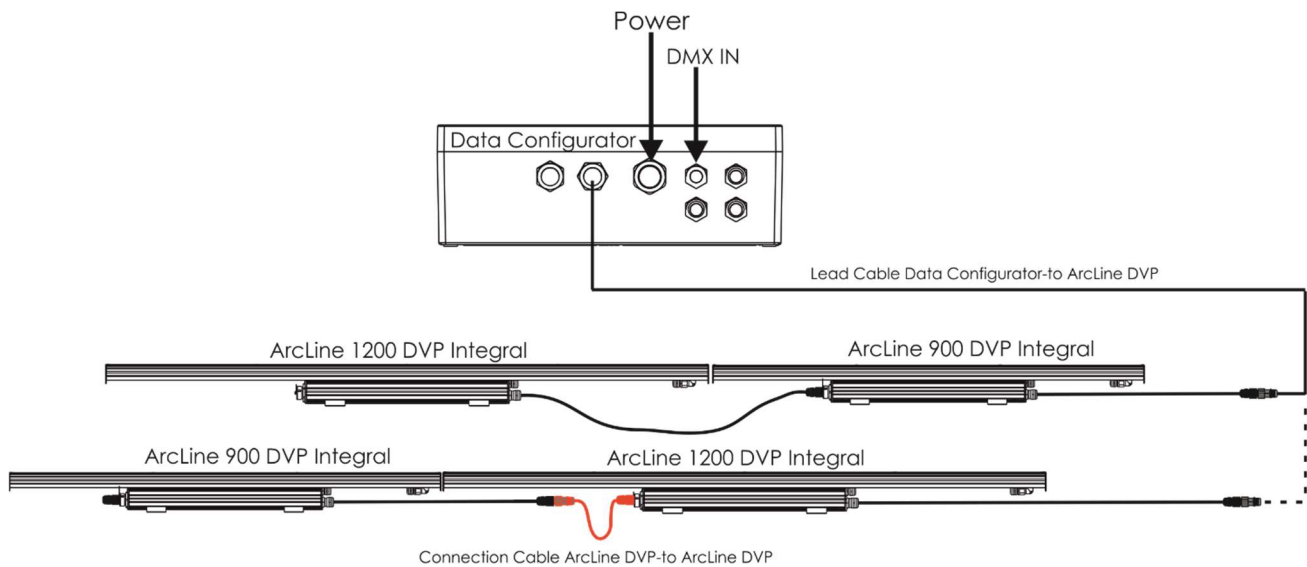
Combining different types of ArcLine DVP Integral fixtures may require the use of the Connection Cable ArcLine DVP - to - ArcLine DVP. Each type of ArcLine DVP is equipped with a different standard cable length, as illustrated below.



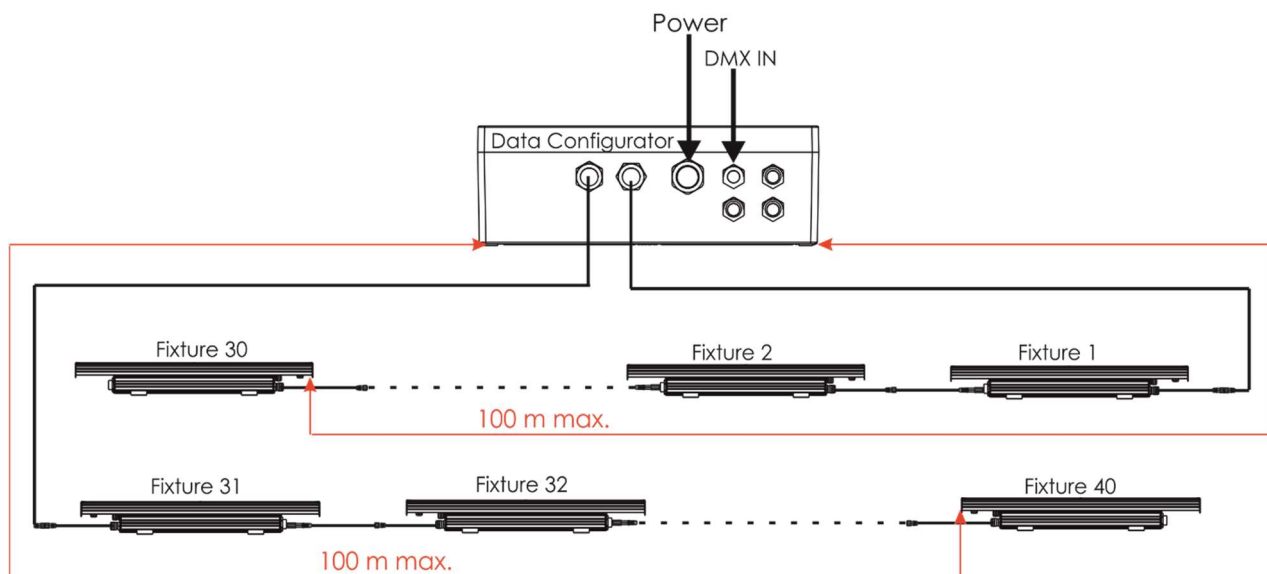
The arrangement of the fixtures will determine if a Connection Cable ArcLine DVP - to - ArcLine DVP is required. A few combinations are shown below to illustrate.



ArcLine DVP Integral



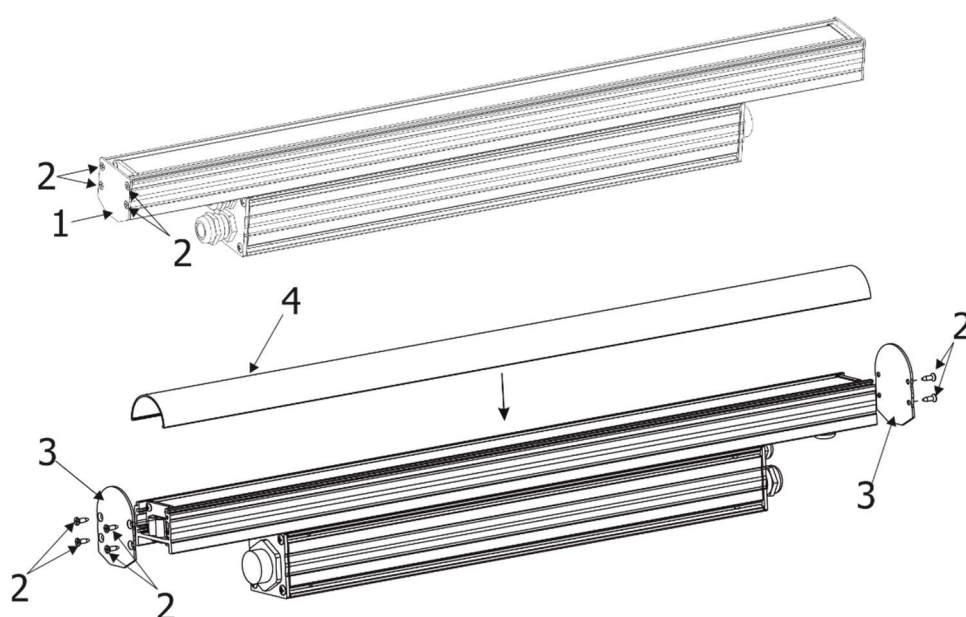
Max. load of the Data Configurator is 40 ArcLine DVP Integral fixtures regardless, of type (e.g. 40 x ArcLine 600 DVP Integral or 40 x ArcLine 900 DVP Integral or ArcLine 1200 DVP Integral or their combinations e.g 10 x ArcLine 600 DVP Integral + 30 x ArcLine 1200 DVP Integral). These 40 ArcLine DVP Integral fixtures can be connected to one LED output of the Data Configurator or divided into both LED outputs (e.g. Output A=10 fixtures, output B=30 fixtures). Maximum distance between the Data configurator and the last connected fixture must not exceed 100m at each LED output.



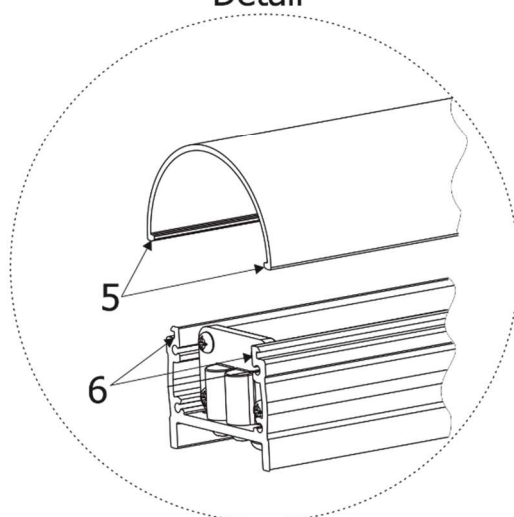
3.3 Installing diffuser

Disconnect the fixture from power before installing diffuser.

1. Remove two side caps (1) on the DVP Integral housing by unscrewing four screws (2) on each side.
2. Screw new side caps (3) to the housing.
3. Insert the diffuser (4) on the housing, such that the protrusions (5) on the diffuser snap into the grooves (6).



Detail



4. Technical specifications

Power supply

- Electronic auto-ranging
- Input voltage: 100 - 277V AC, 50-60 Hz
- Power consumption:
 - ArcLine DVP 600 Integral: 20W
 - ArcLine DVP 900 Integral: 30W
 - ArcLine DVP 1200 Integral: 40W

Optic & Effects

- Light source:
 - ArcLine DVP 600 Integral: 24 x multi-chip RGB LED
 - ArcLine DVP 900 Integral: 36 x multi-chip RGB LED
 - ArcLine DVP 1200 Integral: 48 x multi-chip RGB LED
- Beam angle: 120° (without diffuser)
- Projected Lumen maintenance: 60,000 hours(L70@ 25°C)

Control

- Protocol: USITT DMX 512
- Pixel control
- Smooth led intensity control 0-100%
- Control unit: Data Configurator

Mounting method

- Via two wall mounting adaptors

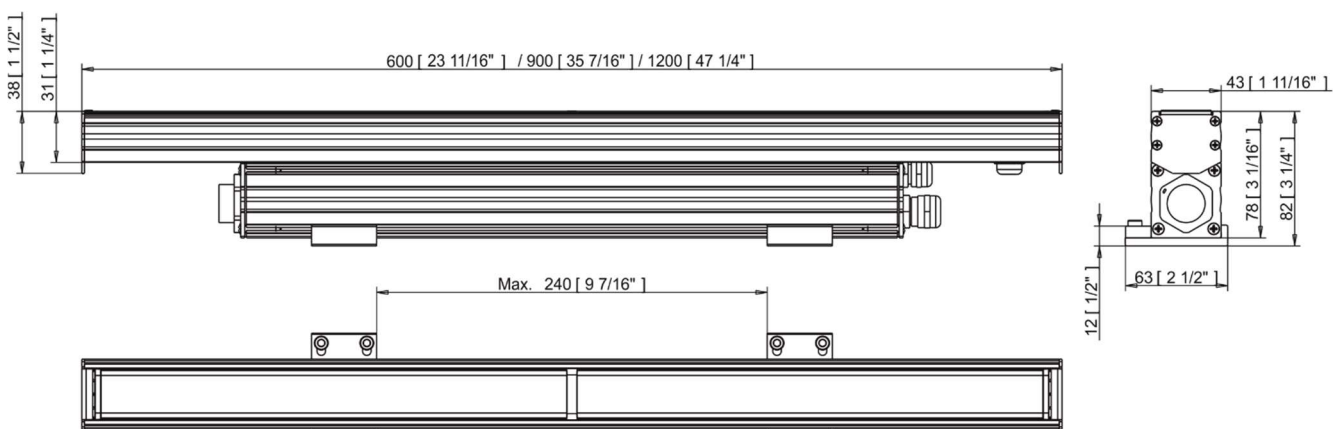
Total heat dissipation

- ArcLine DVP 600 Integral: 68 BTU/h (calculated)
- ArcLine DVP 900 Integral: 102 BTU/h (calculated)
- ArcLine DVP 1200 Integral: 136 BTU/h (calculated)

Dimensions for ArcLine DVP 600 Integral/ ArcLine DVP 900 Integral/ ArcLine DVP 1200 Integral

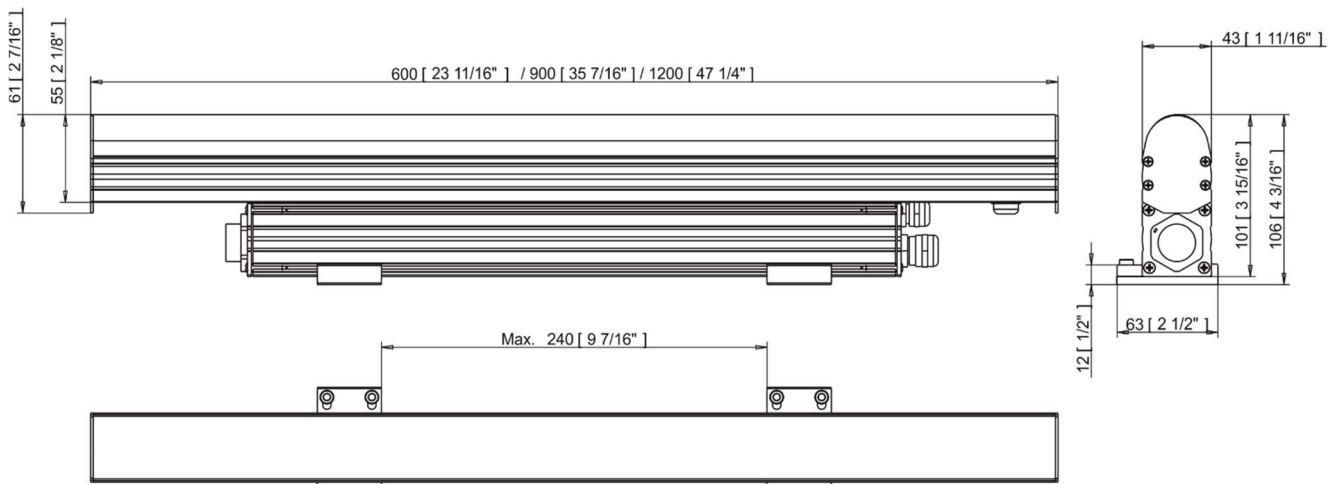
All dimensions in mm [inch]

Without diffuser

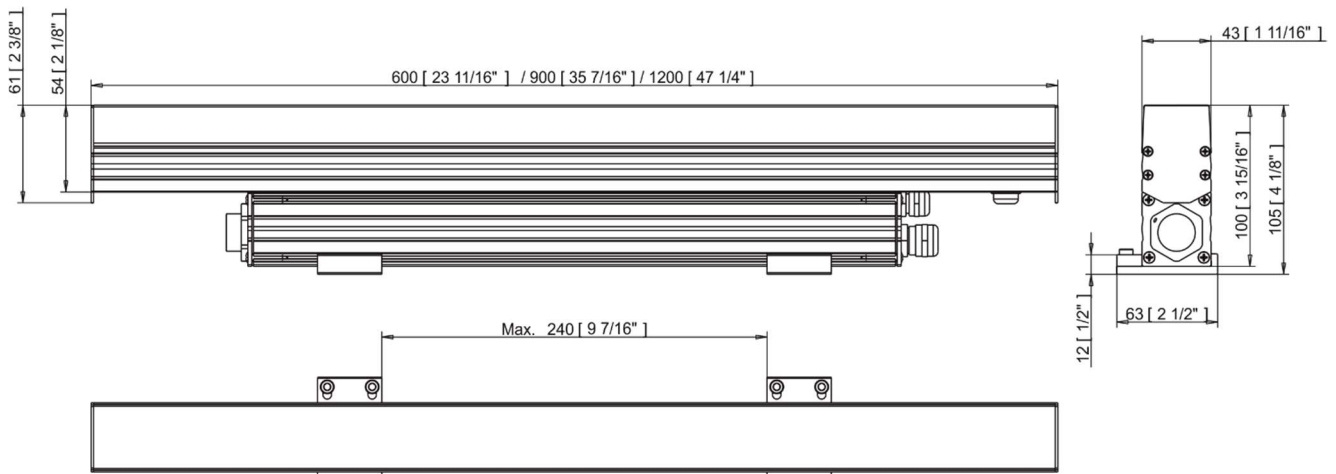


ArcLine DVP Integral

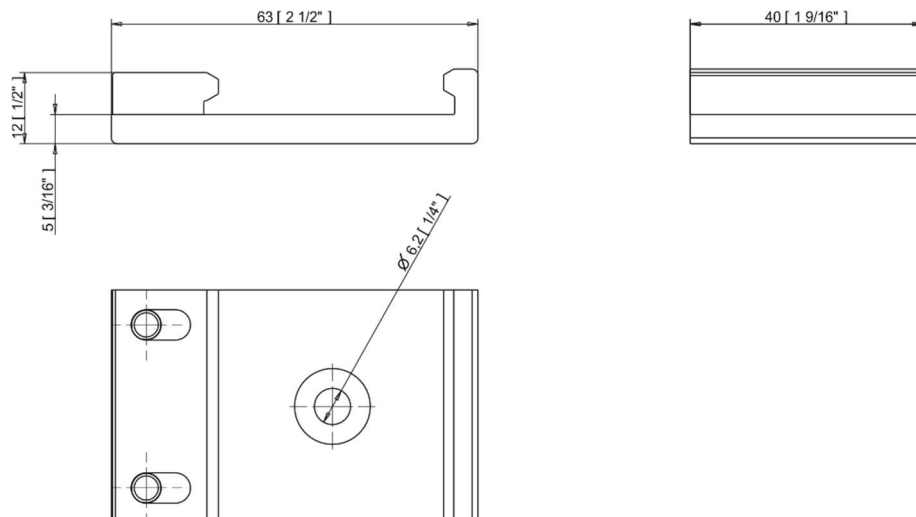
With round diffuser



With flat diffuser



Wall mount adaptor (assembled)



Weight

- ArcLine DVP 600 Integral: 2 kg (4.4 lbs)
- ArcLine DVP 900 Integral: 2.2 kg (5.5 lbs)
- ArcLine DVP 1200 Integral: 2.6 kg (5.95lbs)

Protection factor

- CE: IP 66
- US: Suitable for wet location

Operating ambient temperature range

- -20°C /+40°C (-4°F /+104°F)

Operating temperature

- +65°C @ Ambient +40°C (+149°F @ Ambient +104°F)

Connection

- Input: Data/power cable: Li9Y11Y 3xAWG16+2xAWG24 shielded and jacketed
Connector: Cgr, Large 3+9, MM (MF), push lock 24309131-02 , (P/N 13052523) + dust-tight cap (P/N 17031000)
- Output panel connector Cgr, Large 3+9, PF, push lock 24309635-01, (P/N 13052525) + water-tight cap (P/N 17031002)

Included items

- 1 x ArcLine DVP Integral
- 2 x Wall Mount Adaptor
- 1 x User manual

Optional accessories

- Diffuser ArcLine DVP 600mm, flat (P/N 19020280)
- Diffuser ArcLine DVP 900mm, flat (P/N 19020281)
- Diffuser ArcLine DVP 1200mm, flat (P/N 19020282)
- Side Cap for Flat diffuser – ArcLine DVP (P/N 11016376)

- Diffuser ArcLine DVP 600mm, round (P/N 19020285)
- Diffuser ArcLine DVP 900mm, round (P/N 19020286)
- Diffuser ArcLine DVP 1200mm, round (P/N 19020287)
- Side Cap for Round diffuser – ArcLine DVP (P/N 11016375)

Connection accessories:

- Lead Cable Data Configurator-to-ArcLine DVP, 5m (P/N 13052657)
- Lead Cable Data Configurator-to-ArcLine DVP, 10m (P/N 13052658)
- Connection Cable ArcLine DVP-to-ArcLine DVP, 0.5m (P/N 13052659)
- Connection Cable ArcLine DVP-to-ArcLine DVP, 1m (P/N 13052660)
- Power/Data Cable , w/out connectors (1m) (P/N 13051508)
- Connector CGR-L 3+9, F (P/N 13052524)
- Connector CGR-L 3+9, M (P/N 13052523)

- Dust-tight cap Cgr, Large, 804-00008-00, for 13052523 (P/N 17031000)
- Water-tight cap Cgr, Large, 806-00059-00, for 13052524 (P/N 17031001)

5. Cleaning and maintenance

DANGER !

Disconnect from the mains before starting any cleaning or maintenance work

Rinse off loose dirt with low pressure water spray. Wash the housing with a soft brush or sponge and a mild, non-abrasive washing detergent. Rinse it.

Maintenance and service operations are only to be carried out by a qualified person.

Should you need any spare parts, please use Anolis OEM parts.

5.1 Disposing of the product

To preserve the environment please dispose or recycle this product at the end of its life according to the local regulations and codes.

Specifications are subject to change without notice.

December 16, 2019

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