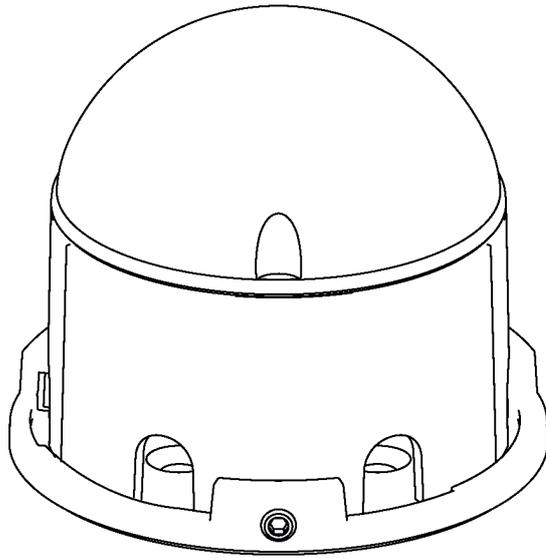


# ArcDot-US



QR code for user manual



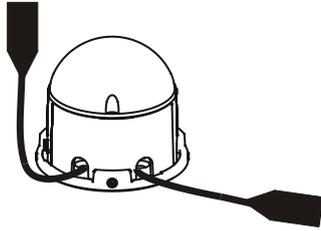
**USER MANUAL**

Version 2.2

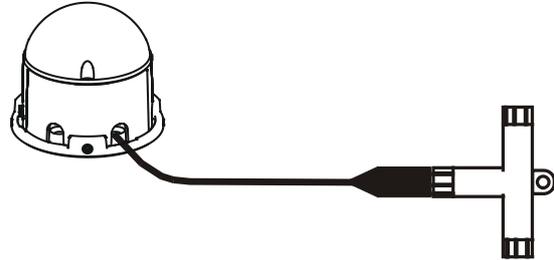
# ArcDot-US

The Anolis ArcDot-US is a Cree MC-E RGBW multichip based high powered multicolored LED fixture. The unit's high light output can be pixel mapped and therefore can be controlled and used for large scale matrix applications, as well as used for individual illuminating needs. Cast aluminium housing with frosted UV stable polycarbonate dome allows flexible solutions to both interior and exterior environments. The product is manufactured in two versions:

**Version 1-** with two supply cables



**Version 2-** with one supply cable and T-connector



## 1. Attention

Do not install the module near high inflammable liquids or materials

Do not allow anything to rest on the module

Do not install the module near the naked flames

Do not install the module in dirty, dusty or badly ventilated location

Avoid using the unit in locations subject to possible impacts.

Avoid looking directly into the LED light beam at close range.

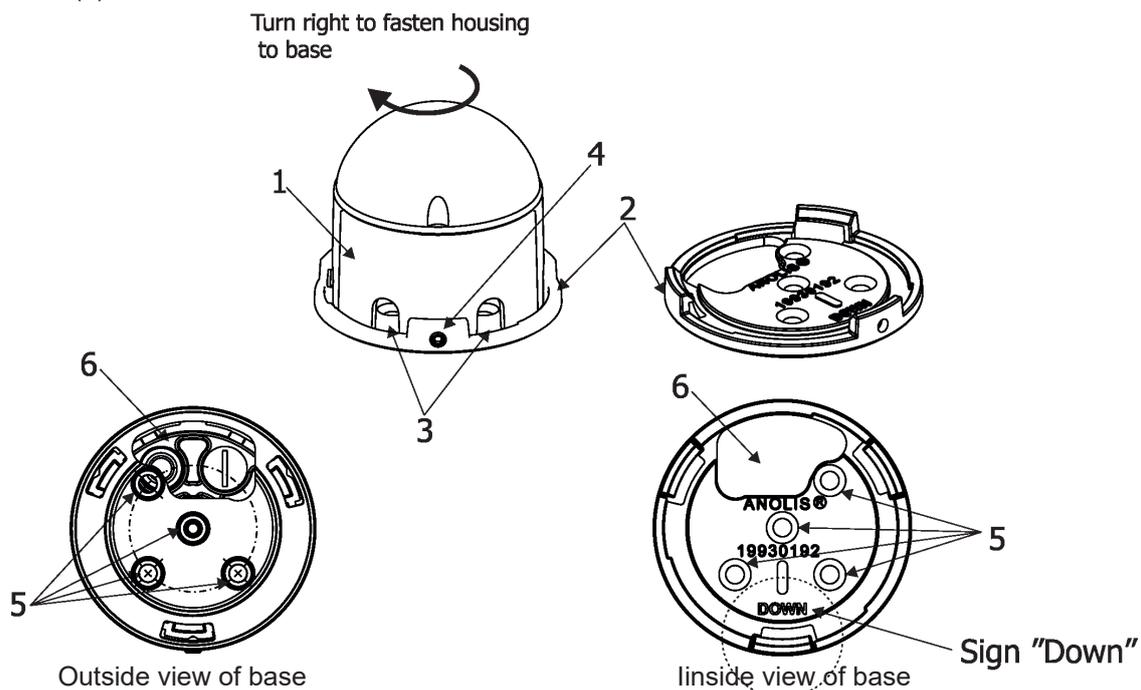
Warning: Operation of this equipment in a residential environment could cause radio interference.

Resistance 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 measure 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 A.

## 2. Installation

Four holes (5) of diameter of 5.5mm in the ArcDot base (2) serve for mounting the base on a non-flammable flat surface. The supply cable (s) can be led through the slots (3) in the housing (1) of the ArcDot or through the aperture (6) in the ArcDot base.



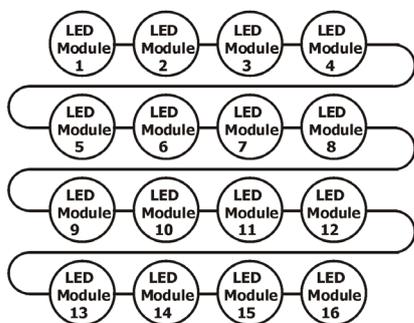
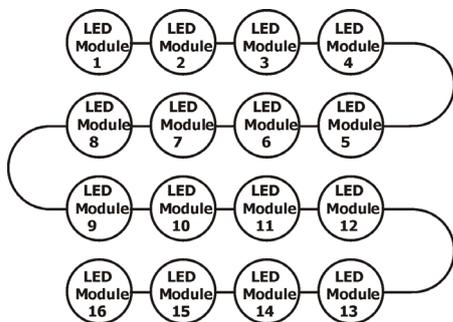
1. Fasten the ArcDot's base (2) on the mounting surface. Keep its orientation as shown on the picture above (sign DOWN has to lead down).

2. Put the housing on the base, turn it to the right and secure with the screw M5 (4).

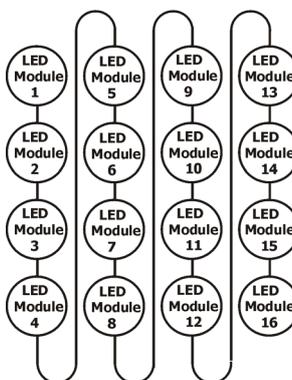
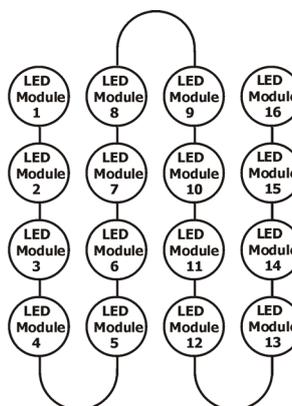
3. Connect ArcDots each other and to the power supply.

Use the following ways for connecting ArcDots with two supply cables(example for matrix of 4x4).

Horizontal sorting



Vertical sorting



### 3. Technical specifications

LED device:

Max. current per colour:

Maximum power consumption:

Power supply:

Compatible power supplies:

Projected Lumen Maintenance:

Cooling system:

Surface operating temperature:

Ambient operating temp.range:

Control electronics:

Design:

Weight:

Mounting:

IK rating:

Data cables:

Connectors:

Version 1: 1x Chogori CGRBB-03BMMA-SL8001 (male); 1x Chogori CGRBB-03BFFA-SL8001 (female)

Version 2: 1x Chogori CGRBB-03BMMA-SL8001 (male), 1x T-connector Chogori T-CGRBA-030303FFM-TS

Cree MC-E RGBW multichip

520 mA

5.5 Watts/48V

30-50 V DC ;suitable for damp locations

30 V DC max. ;suitable for wet locations

ArcPixel Power-US, ArcPower Unit Pixel Rack Mount US, ArcPower Unit Pixel Wall Mount US, ArcPower Unit Pixel Rack Mount US LV, ArcPower Unit Pixel Wall Mount US LV, DRS

L90B10 >90.000 hrs, Ta = 25°C / 77°F

convection

+35°C @ ambient 25°C

-20°C/+50°C

Internal chip protection against overheating

Flicker-free operation (300 Hz current driving of LEDs)

Status messages for communication with power supply unit

Housing & base: cast aluminium

Dome: frosted polycarbonate

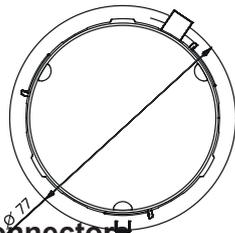
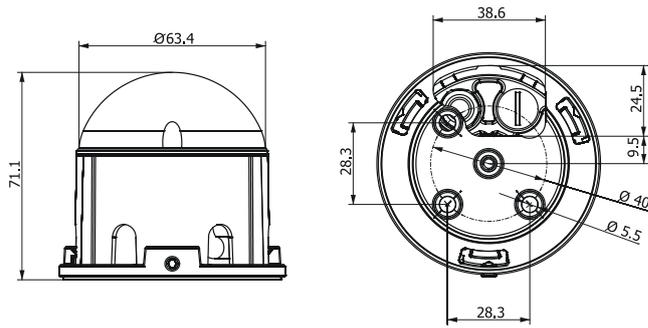
0.2 kg

via 5 holes in base

IK10

Li9Y11Y, 2xAWG16+1xAWG 20(length according requirement, standard length is 0.25m IN and 0.18m OUT)

Dimensions (mm):

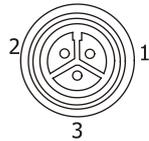


**4. Wiring of ArcDot connectors**

**Input**

Chogori CGRBB-03BMMA-SL8001 (male)

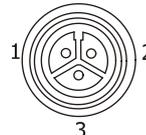
- 1 GND (blue wire)
- 2 +48V (red wire)
- 3 Data (orange wire)



**Output**

Chogori CGRBB-03BFFA-SL8001 (female)

- 1 GND (blue wire)
- 2 +48V (red wire)
- 3 Data (orange wire)



**5. Accessories**

- (P/N 13051564) T-connector Chogori T-CGRBA-030303FFM-TS /for product version 2 only/ 1x
- (P/N 13052784) Cable Connection DRS/RU Pixel (CGR-F/bare,3pin, 1.5m)\*
- (P/N 13052738) Cable Connection DRS/RU Pixel (CGR-F/bare,3pin, 0.2m)\*
- (P/N 1305 2023) Connection cable ArcDot, 2m \*
- (P/N 1305 2024) Connection cable ArcDot, 4m\*
- (P/N 1006 2330) Active Terminator for ArcDot\*
- (P/N 1006 2331) Passive Terminator for ArcDot\*
- (P/N 13052738) Cable Connection DRS/RU Pixel (CGR-F/bare,3pin,0.2m)\*

\* quantity depends on size of installation

Version 2.2

June 22, 2019

Specifications are subject to change without notice.

Made in CZECH REPUBLIC by ROBE LIGHTING s.r.o. Palackeho 416/20 CZ 75701 Valasske Mezirici