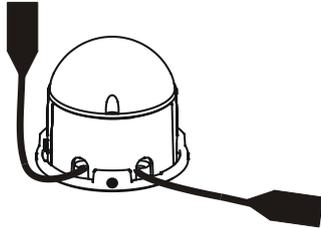


# User instructions

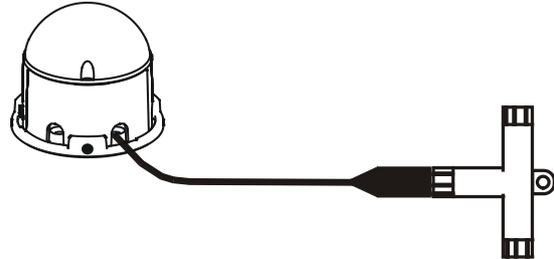
## ArcDot-US

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

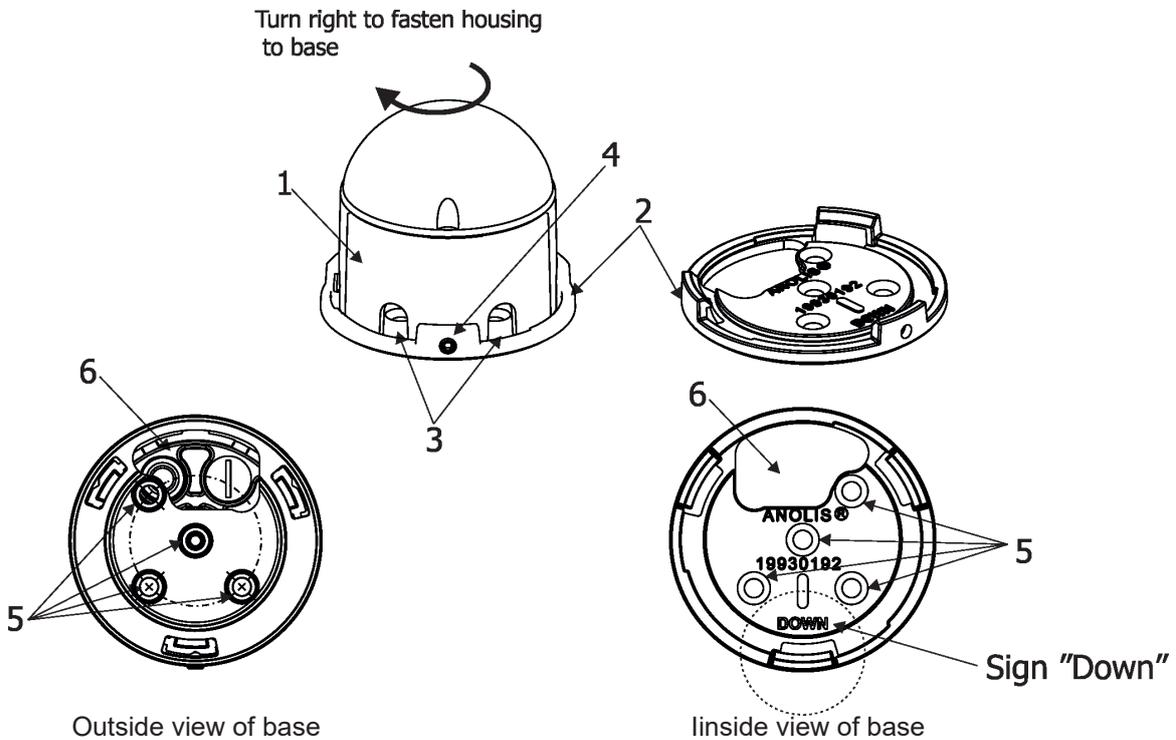


### 1. Attention

- 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.

### 2. Installation

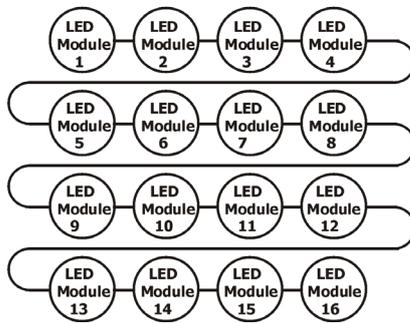
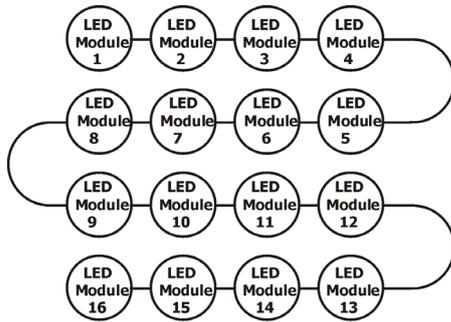
Four holes (5) of diameter of 5.5mm in the ArcDot base (2) serve for mounting the base on a non-flammable flat surface. The supply cable (s) can be led through the slots (3) in the housing (1) of the ArcDot or through the aperture (6) in the ArcDot base .



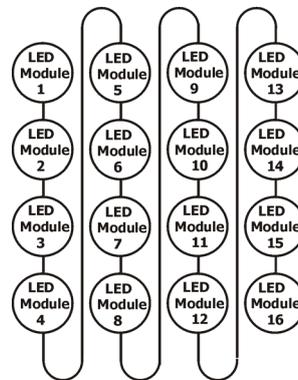
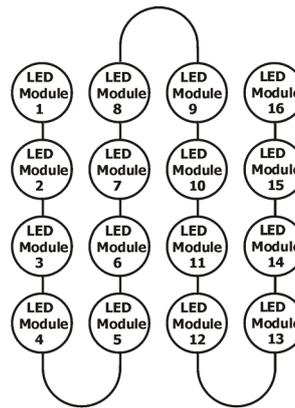
1. Fasten the ArcDot's base (2) on the mounting surface. Keep its orientation as shown on the picture above (sign DOWN has to lead down).
2. Put the housing on the base, turn it to the right and secure with the screw M5 (4).
3. Connect ArcDots each other and to the power supply.

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:

Typical Lumen maintenance:  
 Led life expectancy:  
 Cooling system:  
 Surface operating temperature:  
 Ambient operating temp.range:  
 Control electronics:

Design:

Weight:  
 Mounting:  
 IK rating:  
 Data cables:

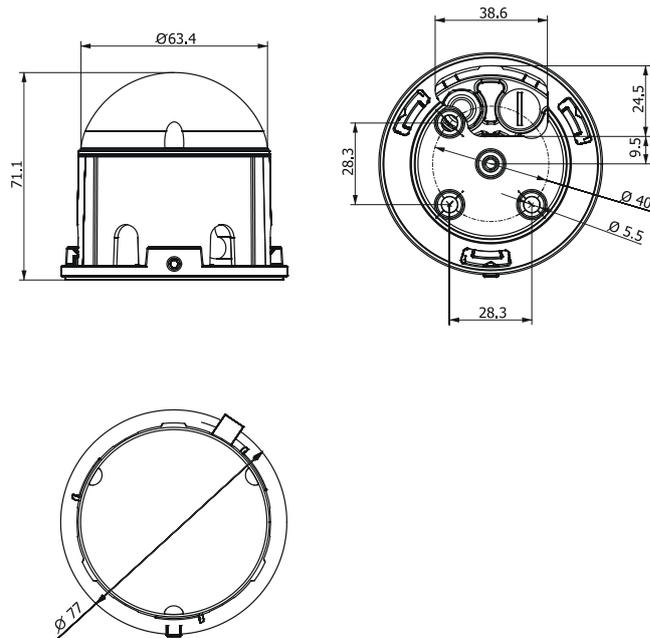
Connectors:

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  
 70% @ 50.000 hours  
 minimum 50.000 hours  
 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  
 IK07  
 Li9Y11Y, 2xAWG16+1xAWG 20(length according  
 requirement, standard length is 0.25m IN and 0.18m OUT)

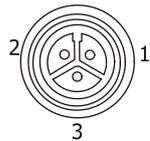
Dimensions (mm):



#### 4. Wiring of ArcDot connectors

##### Input

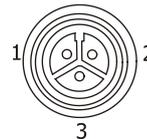
Chogori CGRBB-03BMMA-SL8001 (male)



- 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 2.0

October 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