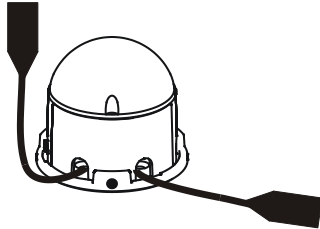# User instructions

ArcDot-CE

The Anolis ArcDot-CE 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
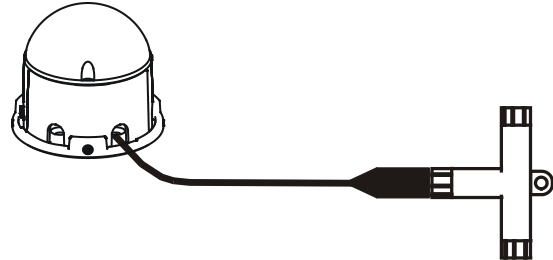
1. Attention:

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.
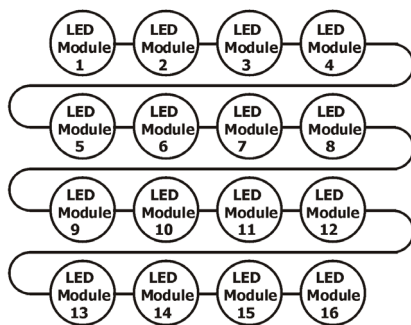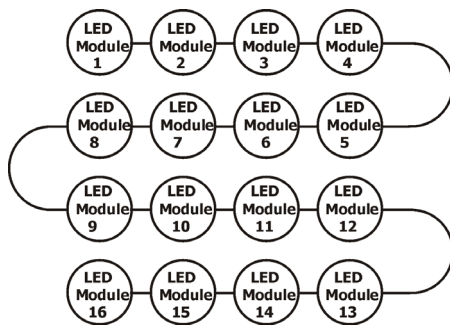
2. Installation

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 .

Turn right to fasten housing to base

Outside view of base   Iinside view of base
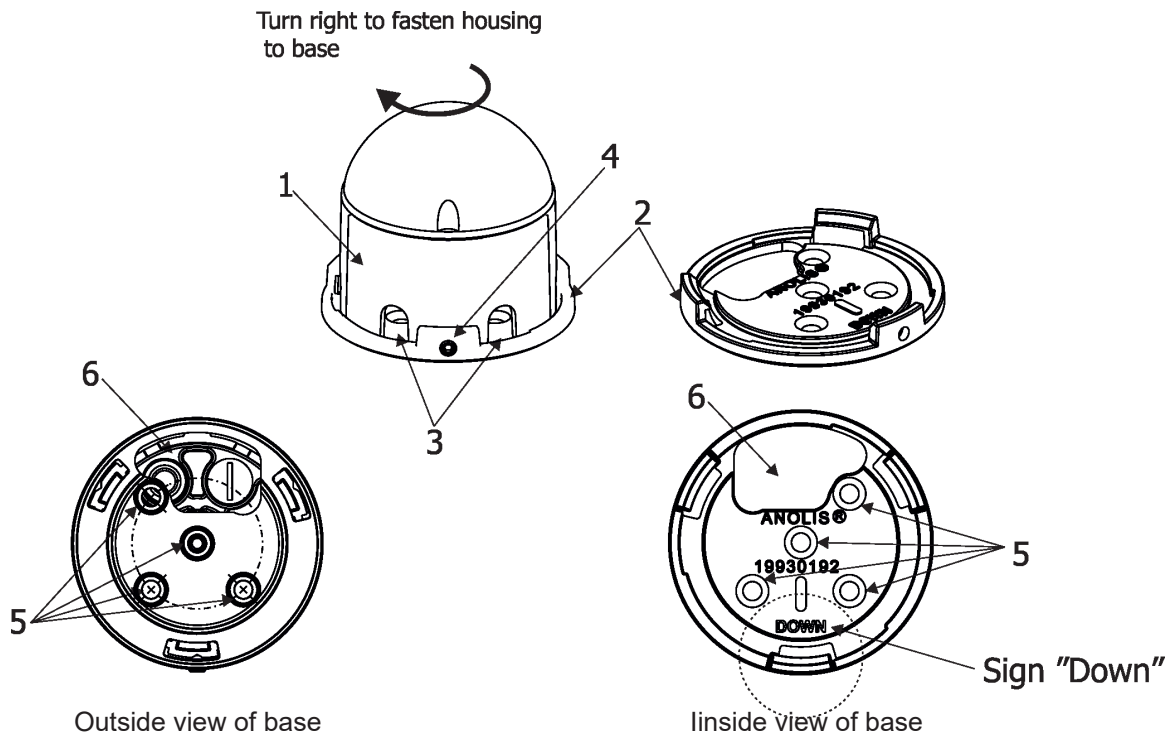
1. Fasten the ArcDot´s base (2) on the mounting surface. Keep its orientation as shown on the picture above (sign DOWN has to lead down).
2. Put the housing on the base, turn it to right and secure with screw M5 (4).
3. Connect ArcDots each other and to the ArcPixel Power-CE. See the ArcPixel Power-CE user manual for detail description.

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

Horizontal sorting   Vertical sorting
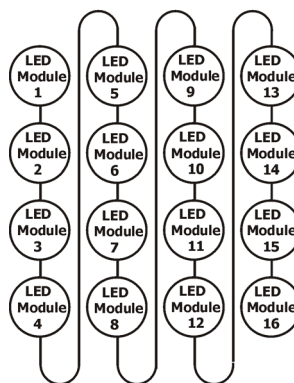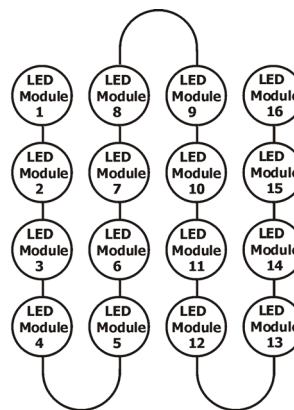
3. Technical specifications

|	
LED device:	Cree MC-E RGBW multichip
Max. current per colour:	520 mA
Maximum power consumption:	5.5 Watts/48V
Compatible power supply:	ArcPixel Power-CE
Typical Lumen maintenance:	70% @ 50.000 hours
Led life expectancy:	minimum 50.000 hours
Cooling system:	convection
Surface operating temperature:	+35°C @ ambient 25°C
Ambient operating temp.range:	-20°C/+50°C
Control electronics:	
	Internal chip protection against overheating
	Flicker-free operation (300 Hz current driving of LEDs)
	Status messages for communication with power supply unit
Design:	
	Housing & base: cast aluminium
	Dome: frosted polycarbonate
Weight:	0.2 kg
Mounting:	via 5 holes in base
Ingress Protection:	IP 67
IK rating:	IK07
Data cables:	Li9Y11Y, 2xAWG16+1xAWG 20(length according requirement, standard length is 0.25m IN and 0.18m OUT)

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
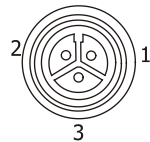
Dimensions (mm):

Ø63,4

71.1

38,6

24,5

28,3

9,5
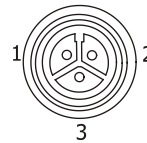
Ø 40

Ø 5,5

28,3

Ø 77
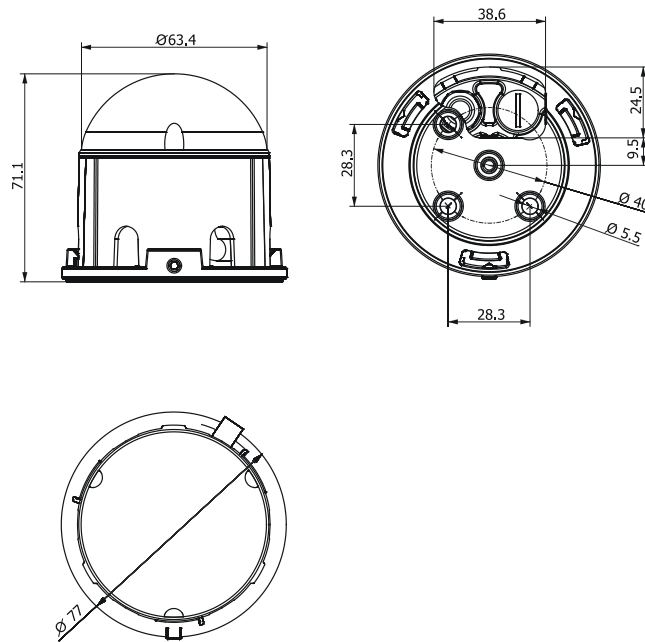
4. Wiring of ArcDot connectors

Input	**Output**
Chogori CGRBB-03BMMA-SL8001 (male)	Chogori CGRBB-03BFFA-SL8001 (female)

2 1
3

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

1 2
3

1 GND (blue vire)
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/
(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 1305 1703) Ferrite GTFC 16-8-16 (for ArcDot) *
(P/N 13052738) Cable Connection DRS/RU Pixel (CGR-F/bare,3pin,0.2m)*

* quantity depends on size of installation (see the ArcPixel Power-CE user manual)

Version 1.8
October 6, 2017
Specifications are subject to change without notice.