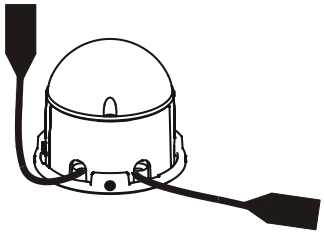
User instructions

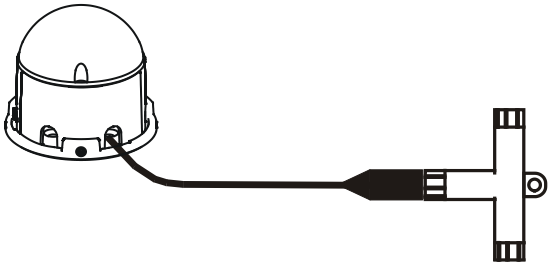
ArcDot-CE

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



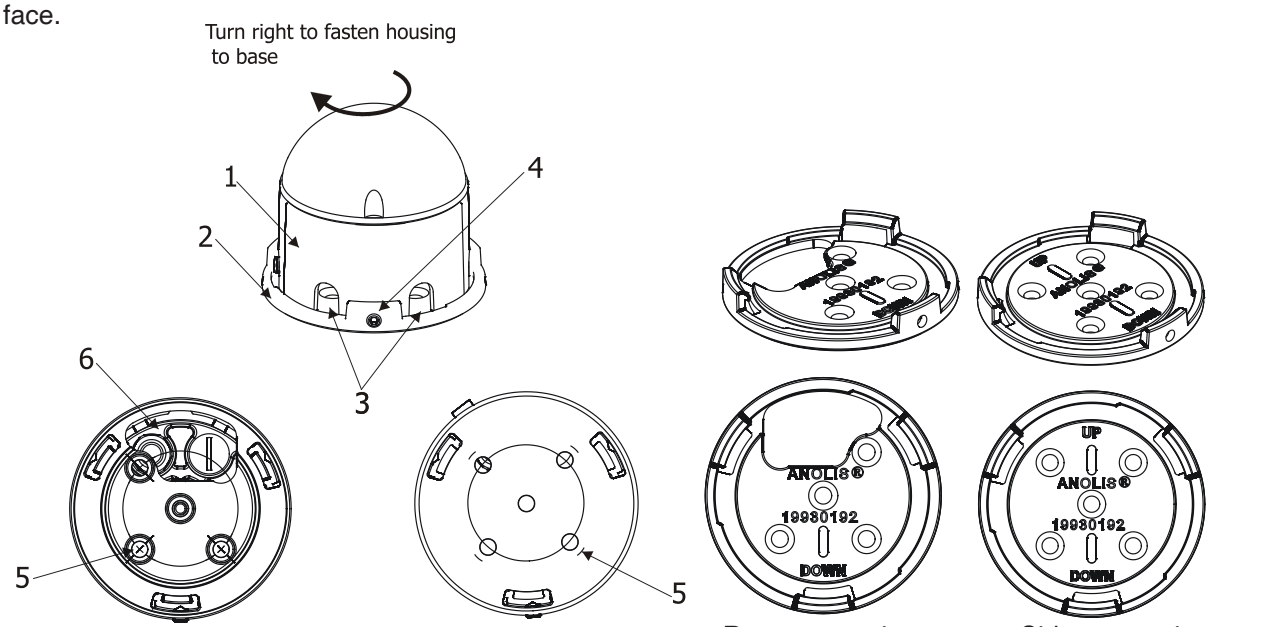
1. Attention:

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

The ArcDot-CE can be supplied with two types of the fixture base (2) according to the way of installation:
Base for rear connection - with aperture (6) for cables.
Base for side connection - without aperture for cables, the cables are led through slots (3) in the housing (1).

Five holes (5) of diameter of 5.5mm in the ArcDot base serve for mounting on the non-flammable flat surface.



Rear connection (outside view of base)

Side connection (outside view of base)

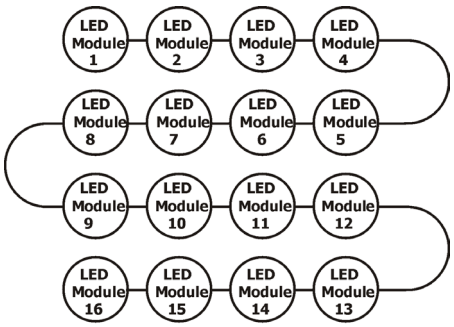
Rear connection (inside view of base)

Side connection (inside view of base)

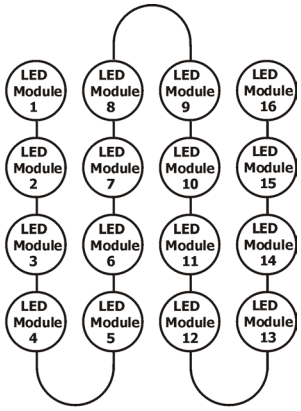
1. Fasten the ArcDot´s base on the mounting surface. Keep its orientation as shown on the picture above (sign DOWN has to lead down).
2. Put the housing on the base, turn it to right and secure with screw M5 (4).
3. Connect ArcDots each other and to the ArcPixel Power-CE. See the ArcPixel Power-CE user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

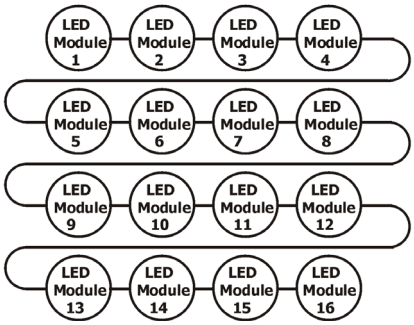
Use the following ways for connecting ArcDots with two supply cables(example for matrix of 4x4).

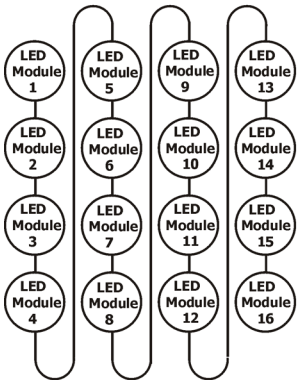
Horizontal sorting



Vertical sorting







3. Technical specifications

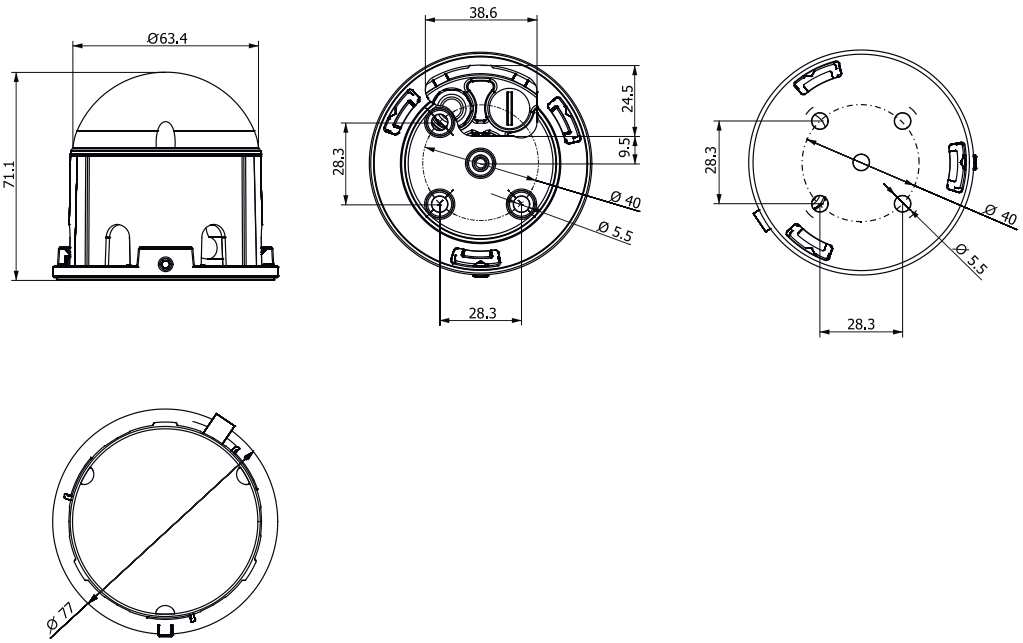
LED device:	Cree MC-E RGBW multichip
Max. current per colour:	520 mA
Maximum power consumption:	5.5 Watts/48V
Compatible power supply:	ArcPixel Power-CE
Typical Lumen maintenance:	70% @ 50.000 hours
Led life expectancy:	minimum 50.000 hours
Cooling system:	convection
Surface operating temperature:	+35°C @ 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
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):

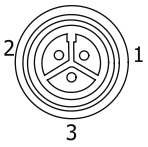
Rear connection

Side connection



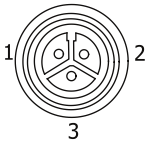
4. Wiring of ArcDot connectors

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 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)*

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

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Specifications are subject to change without notice.