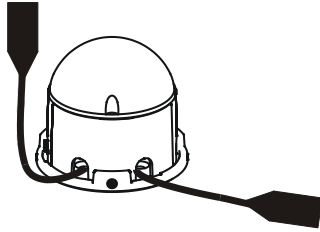# User instructions

ArcDotFlash-CE

The Anolis ArcDotFlash-CE is a white LEDs multichip based high powered 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
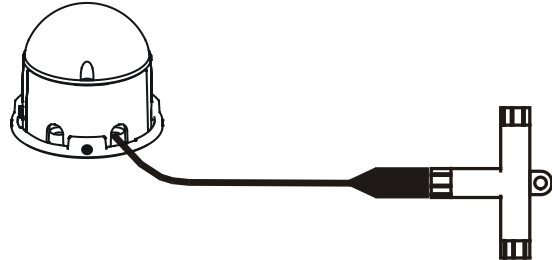
1. Attention:

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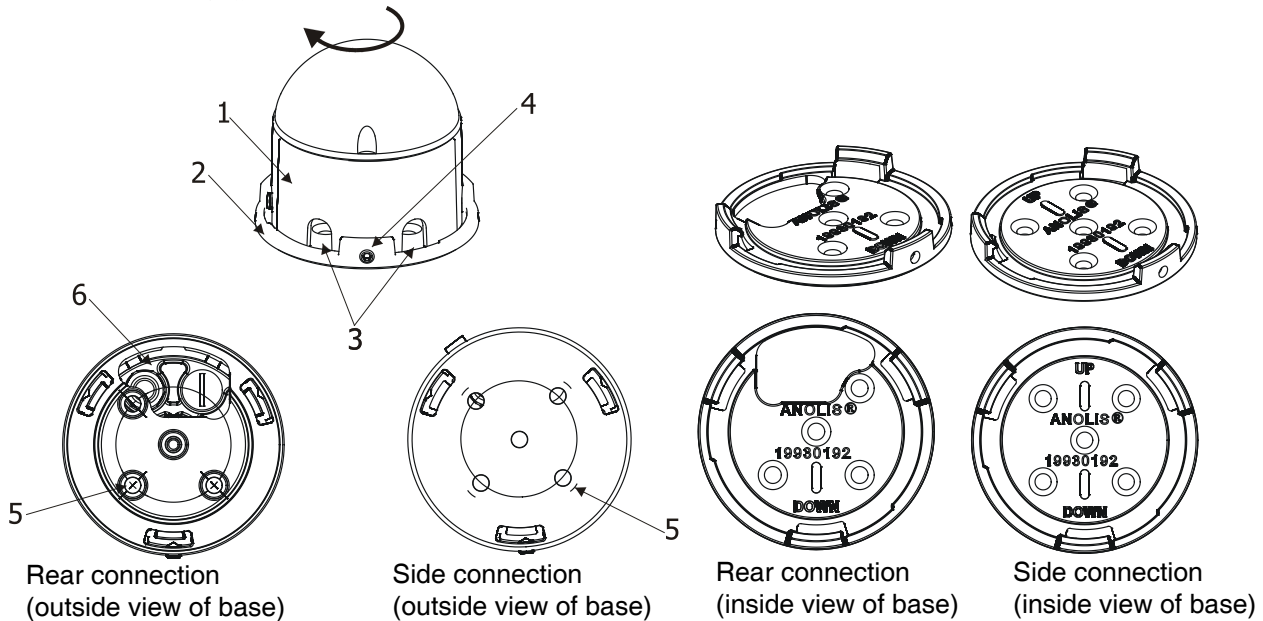Avoid looking directly into the LED light beam at close range.

2. Installation

The ArcDotFlash-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 ArcDotFlash base serve for mounting on the non-flammable flat surface.

Turn right to fasten housing to base

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 ArcDotFlash´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 ArcDotFlashs each other and to the ArcPixel Power-CE. See the ArcPixel Power-CE user manual

for detail description.
Use the following way for connecting of the ArcDotFlashes only (example for matrix of 4x4).

Horizontal sorting

Vertical sorting
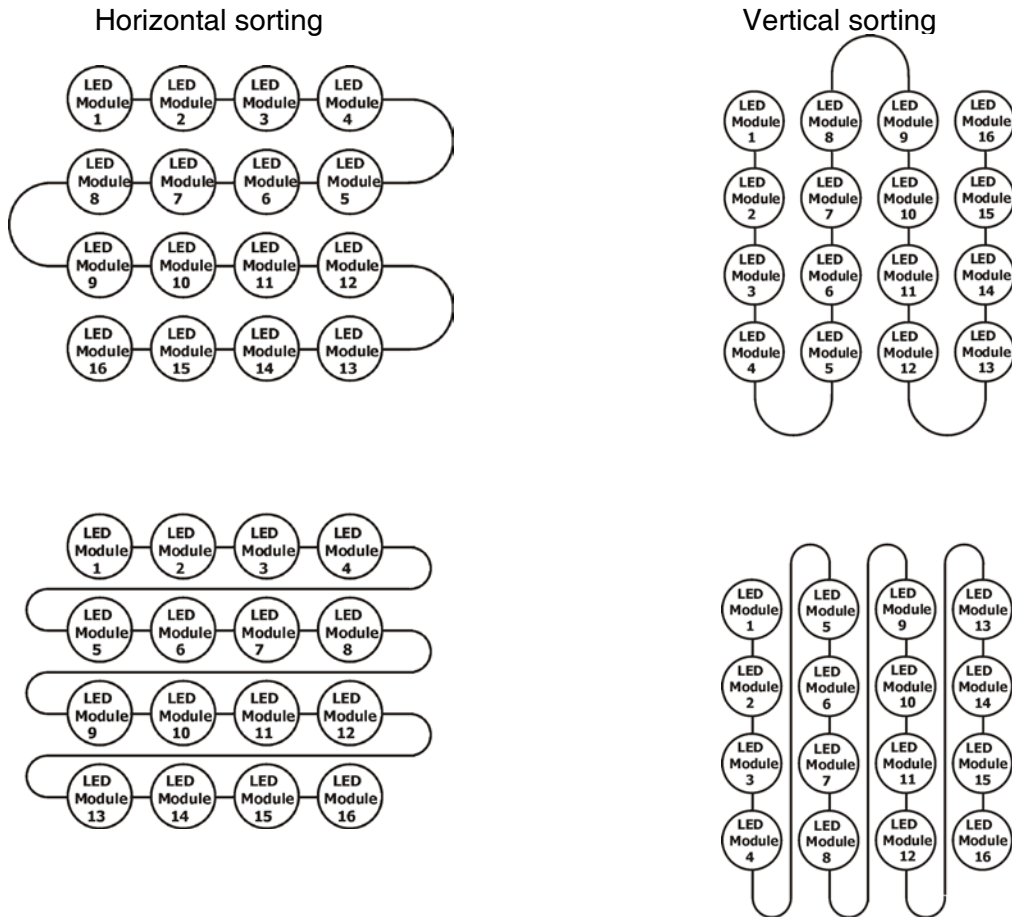
3. Technical specifications

Light source:	8 x White LED multichip
Input voltage:	48V DC
Current consumption:	114 mA (average), 2A/100mSec. (max.)
Average power consumption:	5.5 W
Compatible power supply:	ArcPixel Power-CE
Typical Lumen maintenance:	70% @ 50.000 hours
Led life expectancy:	minimum 50.000 hours
Temperature protection:	Internal chip protection against overheating
Number of flashes per minute	22-28
Flash energy:	Equivalent to 10 Joule in Xenon Flash
Design:	
Housing & base:	cast aluminium
Dome:	frosted polycarbonate
Cooling system:	convection
Surface operating temperature:	+40°C @ ambient 25°C
Ambient operating temp.range:	-20°C/+50°C
Weight:	0.2 kg
Mounting:	via 5 holes in fixture base
Ingress Protection:	IP 67
IK Rating	IK 08
Weight:	0.2 kg
Mounting:	via 5 holes in base
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
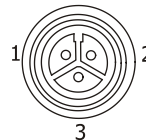
Dimensions (mm):

Rear connection   Side connection
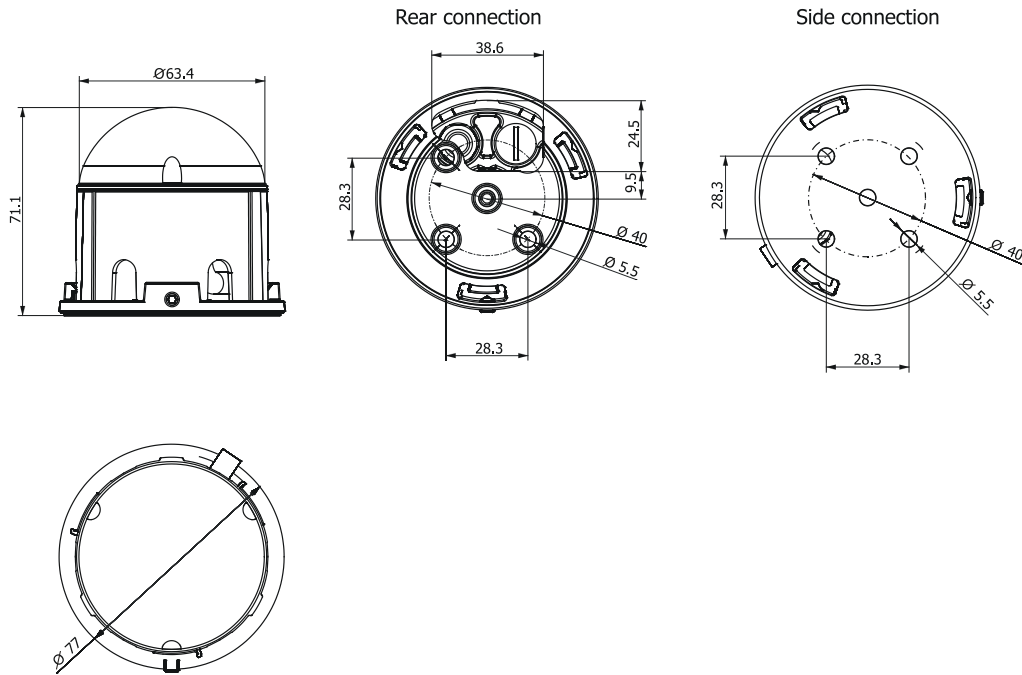
4. Wiring of ArcDotFlash connectors

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

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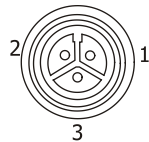
1 GND (blue wire)
2 +48V (red wire)
3 Data   (orange wire)

Output

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/ 1x
(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 ArcPix Power user manual)

Version 1.4
November 23, 2015
Specifications are subject to change without notice.