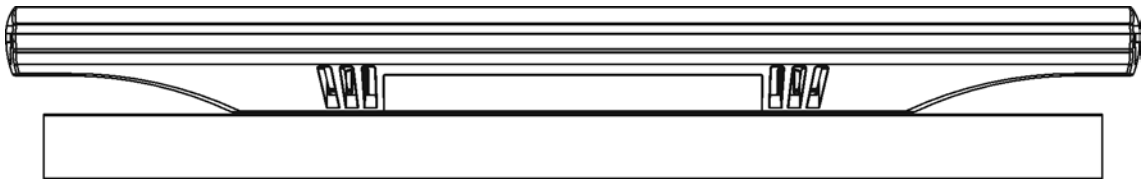
User instructions

ArcCove

ArcCove has a streamlined profile and various mounting options meaning greater flexibility for a wider variety of applications. The latest LED chip technology combined with a plug and play set up process insures incredible effects are simple to create.



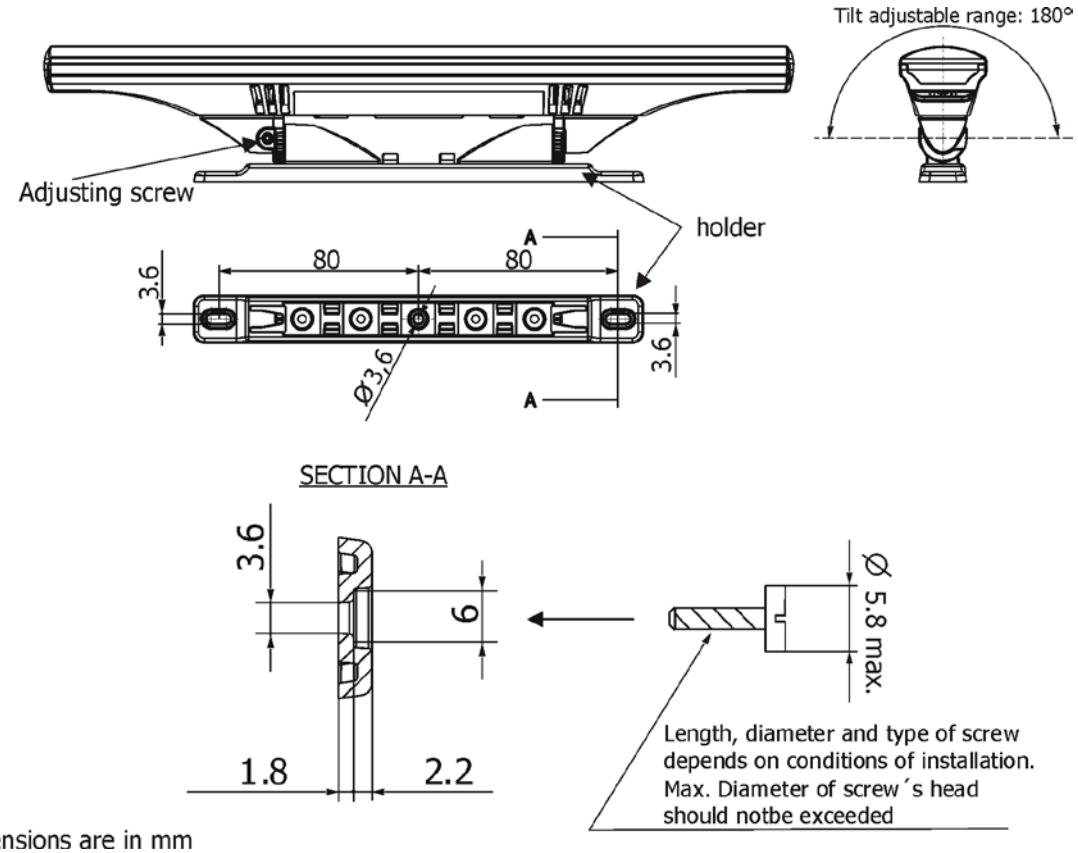
1. Attention

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.
Fixture must be installed by a qualified electrician in accordance with all national and local electrical and construction codes and regulations
The product was designed for indoor use only.

2. Mounting

Mounting of the ArcCove depends on its variant. This product is available in three design variants.

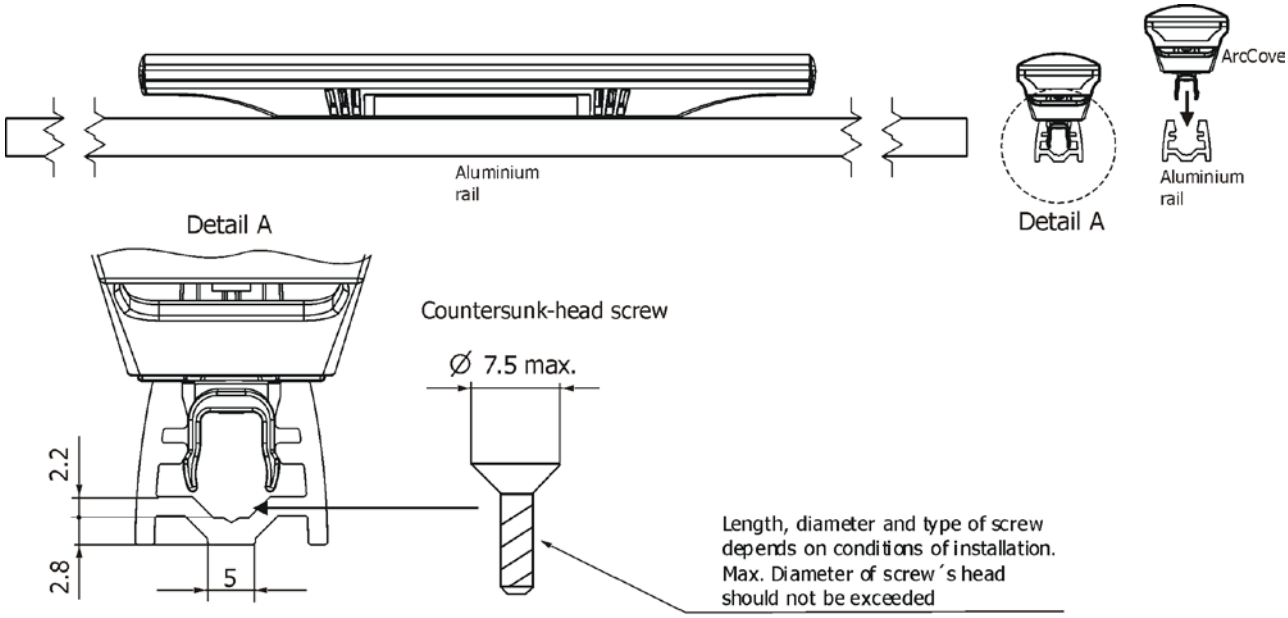
1. ArcCove - Standard - Adjustable Tilt



Dimensions are in mm

This variant is intended for direct mounting on a non-flammable flat surface via two mounting oval holes of a diameter of 3.6mm in the fixture holder. The light head can be tilted in range of 180°. Secure the adjusted position of the head via two adjusting screws, use the Allen key 1.5 (included).

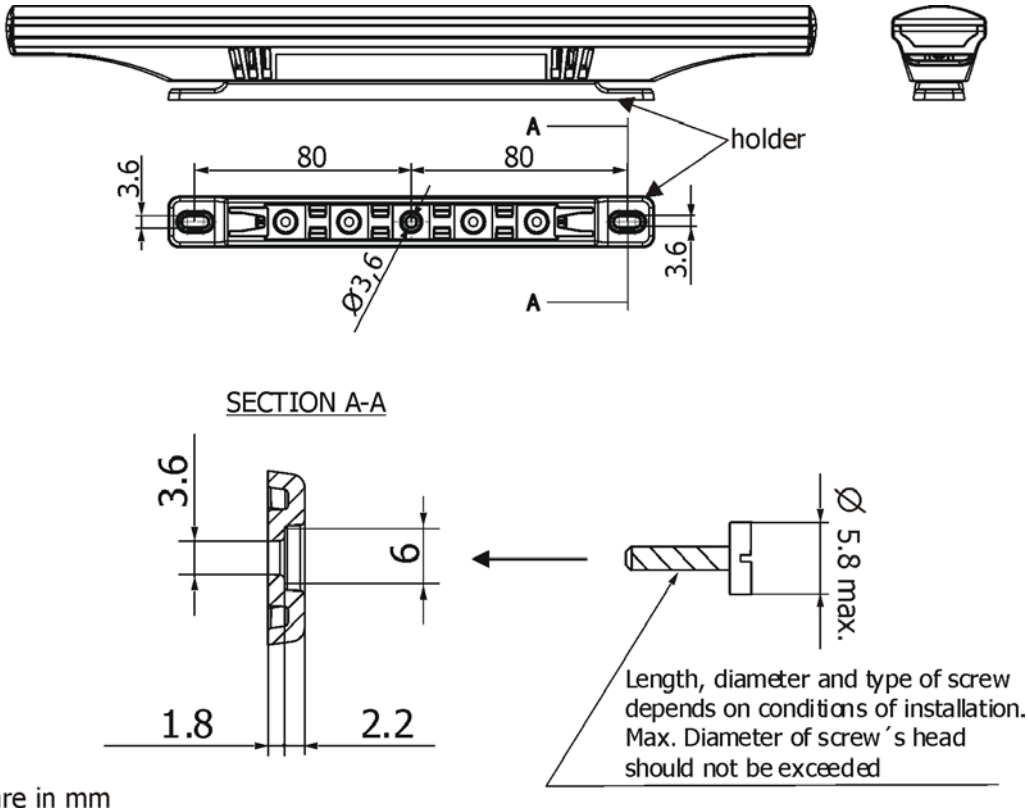
2. ArcCove - Rail Mount



Dimensions are in mm

This variant is intended for mounting into an aluminium rail. The rail is supplied in two lengths: 1.2m and 2.4m.
Fasten the rail on a suitable surface (drill holes into rail acording screws used) and snap the ArcCove into the rail.

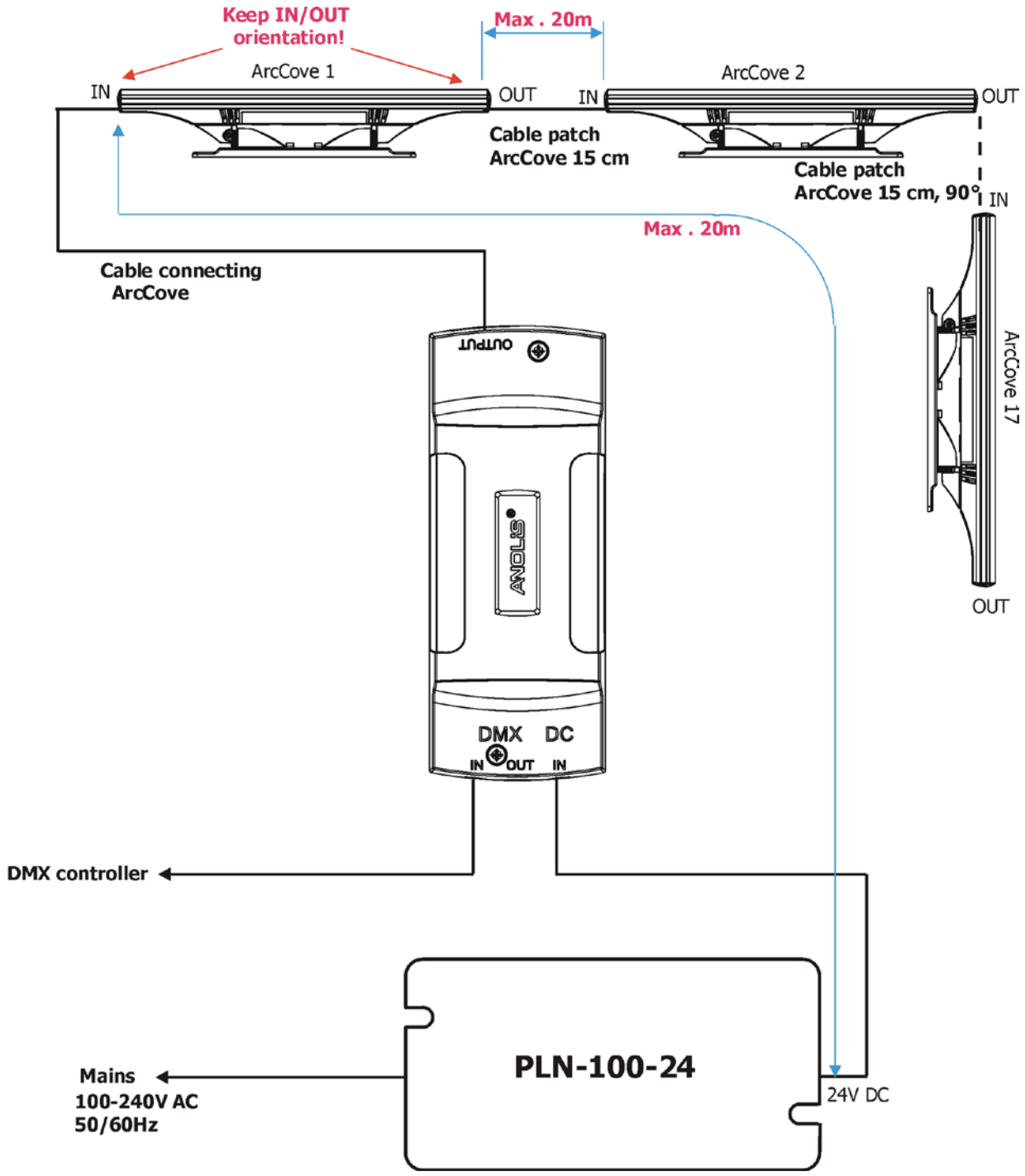
3. ArcCove - Straight - Low Profile



Dimensions are in mm

The variant is intended for mounting into a plastic holder, this holder is removable. Fasten the holder on a non-flammable flat surface via two oval holes of a diameter of 3.6mm in the fixture holder and snap the ArcCove into the holder.

3. ArcCove connection



Keep the following rules for the ArcCoves installation (for both operating modes):

1. Maximum distance from the power supply to the first Arcove must not exceed 20 metres.
2. Maximum distance between two adjacent ArCoves must not exceed 20 metres.
3. Do not mistake input a output of the ArcCove.

If two adjacent AcCove modules are not placed in a line (e.g. one is turned by 90°), you have to use the patch cable marked 90°. Max. number of connected ArcCoves depends on the length of installation and operating mode and is mentioned in the table below.

Standard mode	
Amount of ArcCoves per run	**Max. allowed distance from power supply to last ArcCove (metres)**
17	28
16	32
15	35
14	38
13	41
12	44
11	48
10	53
9	58
8	67
7	76
6	88
5	100
4	80
3	60
2	40
1	20

High Power mode	
Amount of ArcCoves per run	**Max. allowed distance from power supply to last ArcCove (metres)**
1	20
2-8	28

4. ArcCove Data Box

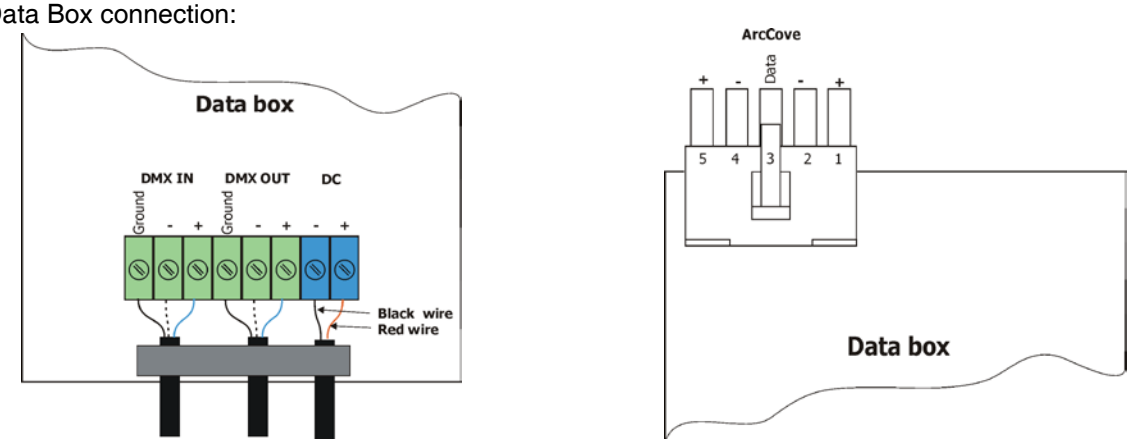
Mounting

1. Unscrew two fastening screws on the top cover to get access to the display and mounting holes.
2. Fasten the bottom cover on a non-flammable flat surface via two mounting holes of a diameter of 4.5mm in this cover.
3. Connect all needed wires (cables), check their connection and after that connect the power supply to mains.

Do not connect the ArcCove, when the ArcCove Data Box is under voltage.

4. Set desired DMX address and operating mode.
5. Screw the top cover back.

Data Box connection:



Data Box control and setting

The 4-digit display with two buttons serves for switching the fixture to the desired operating mode (Standard or High Power),setting DMX address, software update and ArcCoves update.

To set DMX address A001

Press the Up or Down button, the display will start blinking. Set desired DMX address. After setting DMX address, the display will stop blinking and the new address will be saved.

To set operating mode StAn, Hi Ch

Press and hold both Up and Down buttons in the same time. Current operating mode will be displayed. If you want to change this mode, press and hold both buttons until desired mode is displayed (display blinks), after that stop pressing both buttons and the selected operating mode will be saved.

StAn .....Standard operating Mode (Max. 17 units per power supply)

Hi Ch .....High Power operating mode (Max. 8 units per power supply)

To update software in the ArcCove Data Box FdSP

The following are required in order to update software:

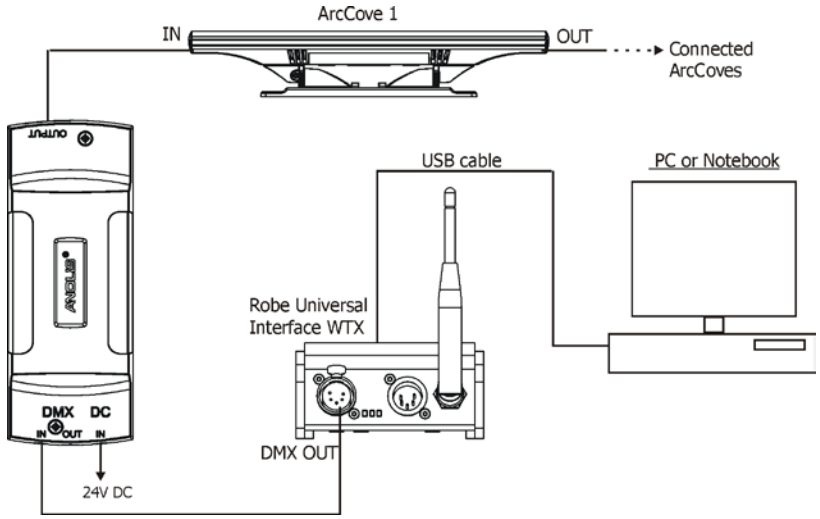
Notebook running Windows 95/98/2000/XP/7/8 or Linux
Robe Universal Interface or Robe Universal Interface WTX
Necessary cables (5-pin DMX cable,USB cable)

Note: The software update should execute a qualified person. If you lack qualification, do not attempt the update yourself and ask for help your Anolis distributor.

1. Download software from from Anolis web site at WWW.anolis.cz.

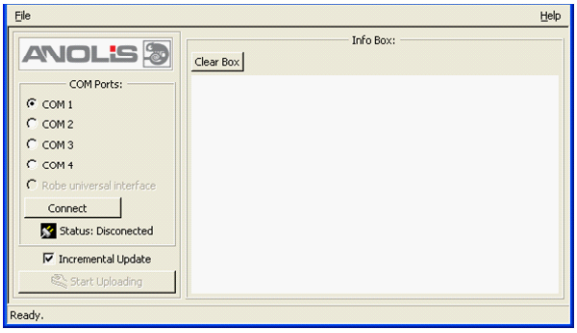
This software has name DSU_ArcCove_*number of version*.

2. Disconnect power supply from the ArcCove Data Box and connect the Robe Universal Interface to the DMX input of the ArcCove Data Box as shown on the picture below. If another ArcCove Data Box is connected to DMX output of this Data Box, it can stay connected.



3. Connect the ArcCove Data Box to the power and press and hold both Up and Down buttons in the same time until "F.dSP" will appear. Stop holding both buttons and the display will show current version of the display software and after that reduces light intensity - device is in the update mode.

4. Unpack and run the update program. Select "Robe Universal Interface" from the option "COM Ports" and then click on the "Connect" button.



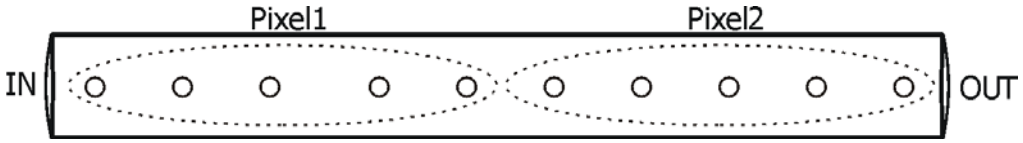
If the connection is OK, click on the "Start Uploading" button to start uploading. It can take a few minutes to perform software update. If the option "Incremental Update" is not checked, all processors will be updated (including processors with the same software version).
Avoid interrupting the process. Update status is being displayed in the Info Box window.
When the update is finished, the line with the text “The fixture is successfully updated" will appear in this window and the fixture´s display will show current DMX address. After the software update of the ArcCove Data Box you can also perform update of all connected ArcCoves as stated below.
Note: In the case of an interruption of the upload process (e.g. power cut), the data box keeps the updating mode and you have to repeat the software update again.

To update software in ArcCoves F.LEd
Note: the current software version of the ArcCove Data Box from the Anolis website has to be loaded into the the ArcCove Data Box. See the article above.
Press and hold both Up and Down buttons in the same time until "F.LEd" will appear. Stop holding both buttons and the display will show version of the ArcCove software which will be loaded into connected ArcCoves and after that the update of ArcCoves will start, the display shows F.001, F002.....When updating is finished, the current DMX address will be shown on the display.

5. ArcCove Data Box - DMX chart

Version 1.0

Channel	Value	Function	Type of control
1	0-255	**ArCove 1 - Red pixel 1** Red LED saturation control (0-100%)	proportional
2	0-255	**ArCove 1 - Green pixel 1** Green LED saturation control (0-100%)	proportional
3	0-255	**ArCove 1 - Blue pixel 1** Blue LED saturation control (0-100%)	proportional
4	0-255	**ArCove 1 - Red pixel 2** Red LED saturation control (0-100%)	proportional
5	0-255	**ArCove 1 - Green pixel 2** Green LED saturation control (0-100%)	proportional
6	0-255	**ArCove 1 - Blue pixel 2** Blue LED saturation control (0-100%)	proportional
7	0-255	**ArCove 2 - Red pixel 1** Red LED saturation control (0-100%)	proportional
8	0-255	**ArCove 2 - Green pixel 1** Green LED saturation control (0-100%)	proportional
9	0-255	**ArCove 2 - Blue pixel 1** Blue LED saturation control (0-100%)	proportional
10	0-255	**ArCove 2 - Red pixel 2** Red LED saturation control (0-100%)	proportional
11	0-255	**ArCove 2 - Green pixel 2** Green LED saturation control (0-100%)	proportional
12	0-255	**ArCove 2 - Blue pixel 2** Blue LED saturation control (0-100%)	proportional
		:	
55	0-255	**ArCove 10 - Red pixel 1** Red LED saturation control (0-100%)	proportional
56	0-255	**ArCove 10 - Green pixel 1** Green LED saturation control (0-100%)	proportional
57	0-255	**ArCove 10 - Blue pixel 1** Blue LED saturation control (0-100%)	proportional
58	0-255	**ArCove 10 - Red pixel 2** Red LED saturation control (0-100%)	proportional
59	0-255	**ArCove 10 - Green pixel 2** Green LED saturation control (0-100%)	proportional
60	0-255	**ArCove 10 - Blue pixel 2** Blue LED saturation control (0-100%)	proportional
		:	
97	0-255	**ArCove 17 - Red pixel 1** Red LED saturation control (0-100%)	proportional
98	0-255	**ArCove 17 - Green pixel 1** Green LED saturation control (0-100%)	proportional
99	0-255	**ArCove 17 - Blue pixel 1** Blue LED saturation control (0-100%)	proportional
100	0-255	**ArCove 17 - Red pixel 2** Red LED saturation control (0-100%)	proportional
101	0-255	**ArCove 17 - Green pixel 2** Green LED saturation control (0-100%)	proportional
102	0-255	**ArCove 17 - Blue pixel 2** Blue LED saturation control (0-100%)	proportional



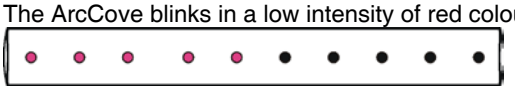
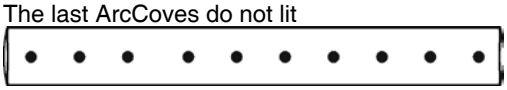
6. Power supply PLN-100-24

The power supply PLN-100-24 serves for supply of the ArcCove Data Box which is a control unit for ArcCoves. The power supply is intended for fixed installation only.

Mounting:

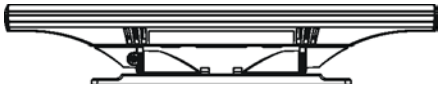
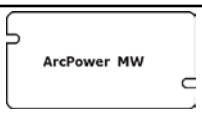
1. Fasten the power supply PLN-100-24 on a non-flammable flat surface via two mounting slots of a diameter of 5mm in the housing.
2. Connect output wires (red wire= + 24V, black wire= -) to the ArcCove Data Box.
3. After checking the rest of connections (ArcCove Data Box - first ArcCove, ArcCoves-ArcCoves) connect the power supply PLN-100-24 to mains (brown wire= live, .blue wire= neutral, green/yellow wire = earth)

7. Error states

Description	Reason
The ArcCove blinks in a low intensity of red colour 	The ArcCove´s input and output are replaced. Connect this unit correctly.
The last ArcCoves do not lit 	Max. number of ArcCoves per one power supply is exceeded. Disconnect redundant ArCoves.

8. ArcCove installation items overview.

The customer has to specify needed items and their quantity.

ArcCoves. The ArcCoves are designed in three variants: ArcCove, Standard, Adjustable Tilt (No. 10062546 -6 pcs/box) ArcCove , Straight, Low Profile (No. 10062547 -6 pcs/box) ArcCove , Rail mount (No. 10062548-6 pcs/box)	
Device for control of the ArcCoves. ArcCove Data Box (No. 10062515) *Note: One ArcCove Data Box can be used for 17 (8) ArcCoves according to the operating mode.*	
Power supply for ArCoves. Power supply PLN-100-24 (No. 10062517) *Note: One power supply PLN-100-24can be used for 17 (8) ArcCoves according to the operating mode.*	
Connecting cable between the ArcCove Data Box and the first ArcCove. Cable connecting ArcCove 1m (No. 13071995) Cable connecting ArcCove 2m (No. 13071996) Cable connecting ArcCove 5m (No. 13071997) Cable connecting ArcCove 10m (No. 13071998)	
Connecting cables between ArcCoves. Cable patch ArcCove 8 cm (No. 13051982) Cable patch ArcCove 15 cm (No. 13051989) Cable patch ArcCove 9.5 cm, 90° (No. 1305 2020) Cable patch ArcCove 11 cm, 90° (No. 13051990) Cable patch ArcCove 15 cm, 90° (No. 13051991) Cable patch ArcCove 30 cm, 90° (No. 13051994) *Note: each set of the ArcCove modules (6 units in a box) includes 6 pieces of the Cable patch ArcCove 8 cm (No. 13051982)*	 
Mounting rail (only for the ArcCove, Rail Mount). Mounting Rail ArcCove 1.2m (No. 19030286) Mounting Rail ArcCove 2.4m (No. 19030267)	

9. Technical specifications

ArcCove

Light source:	10 x 1W RGB multichip per fixture (group of five multichips creates one pixel)
Input voltage :	24 V DC
Maximum power consumption:	5W (Standard Mode), 10.8 W (High Power Mode) per fixture
Typical Lumen maintenance:	50000+ hours L50@ 50°C
Cooling system:	convection
Ambient operating temp.range:	-20°C/+40°C
Control electronics:	Internal chip protection against overheating Repeater included
Control channels:	6 per fixture (RGB,RGB)
Maximum units per one power supply:	17 (Standard Mode), 8 (High Power Mode)
Design:	Housing &Base: ABS Transparent cover: polycarbonate
Beam angle:	110° (at half beam)
Weight:	0.16 kg
Connection:	Integral In/Out connectors
Cable:	5 wire flat cable Ribbon UL2468 AWG 18/5C

ArcCove Data Box

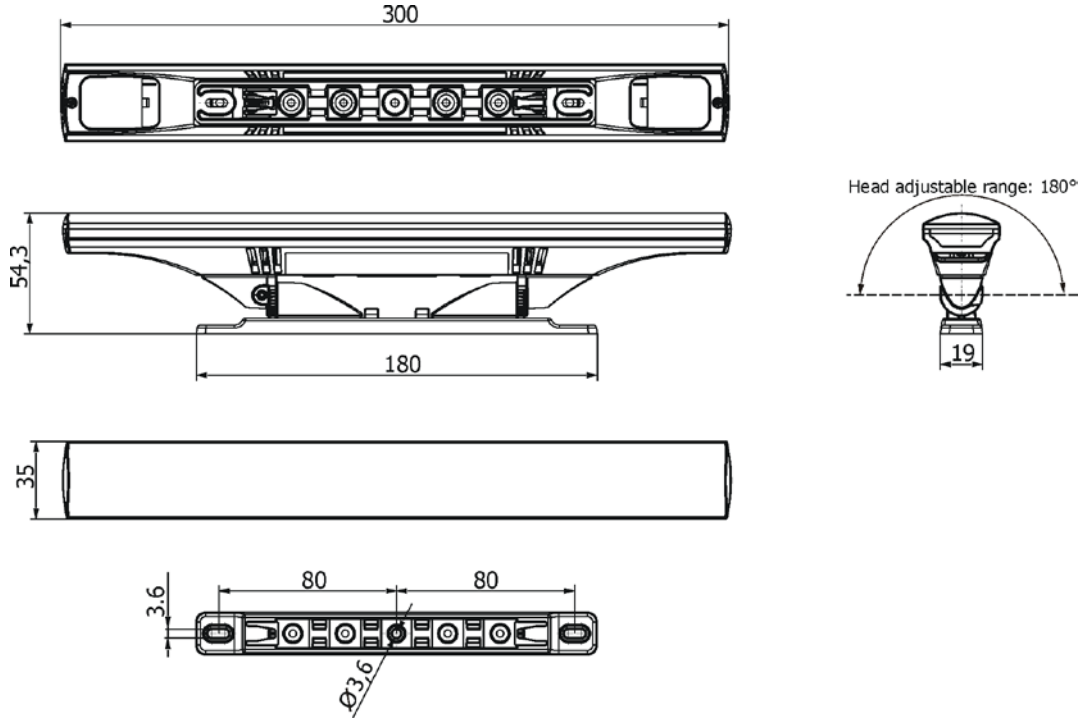
Control:	4-digit LED display & 4 buttons
Connection:	DMX&power: connection block ArcCove: integral connector
Weight:	0.15kg

Power supply PLN-100-24

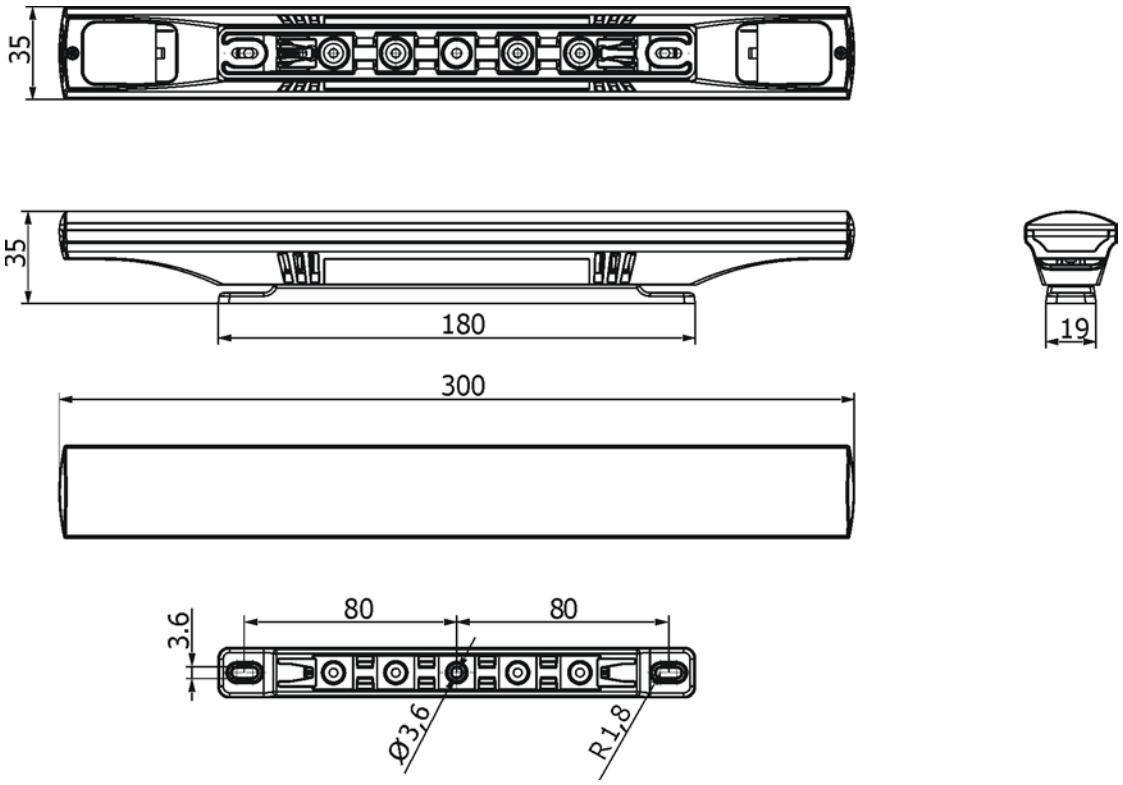
Input voltage:	100-240V AC; 50/60Hz
Output voltage:	24V DC
Rated current:	4A
Rated output power:	96W
Power factor:	>95
Protection:	Short circuit/ Overload / Over voltage / Over temperature
Cooling:	by free air convection
Connection:	Input - 3-wire cable 18AWG 3C, length=310mm Output - 2-wire cable 18AWG 2C, length=310mm
Weight:	0.52kg

10. Dimensions (mm)

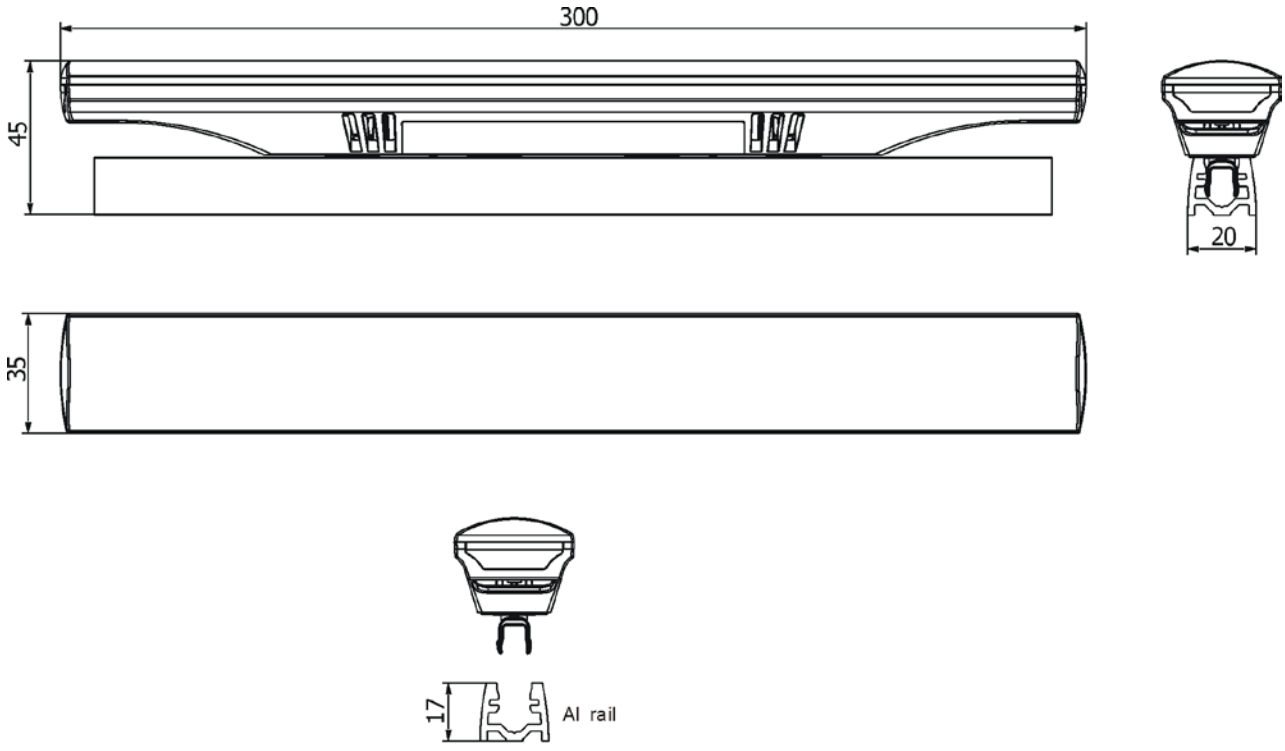
ArcCove, Standard, Adjustable Tilt

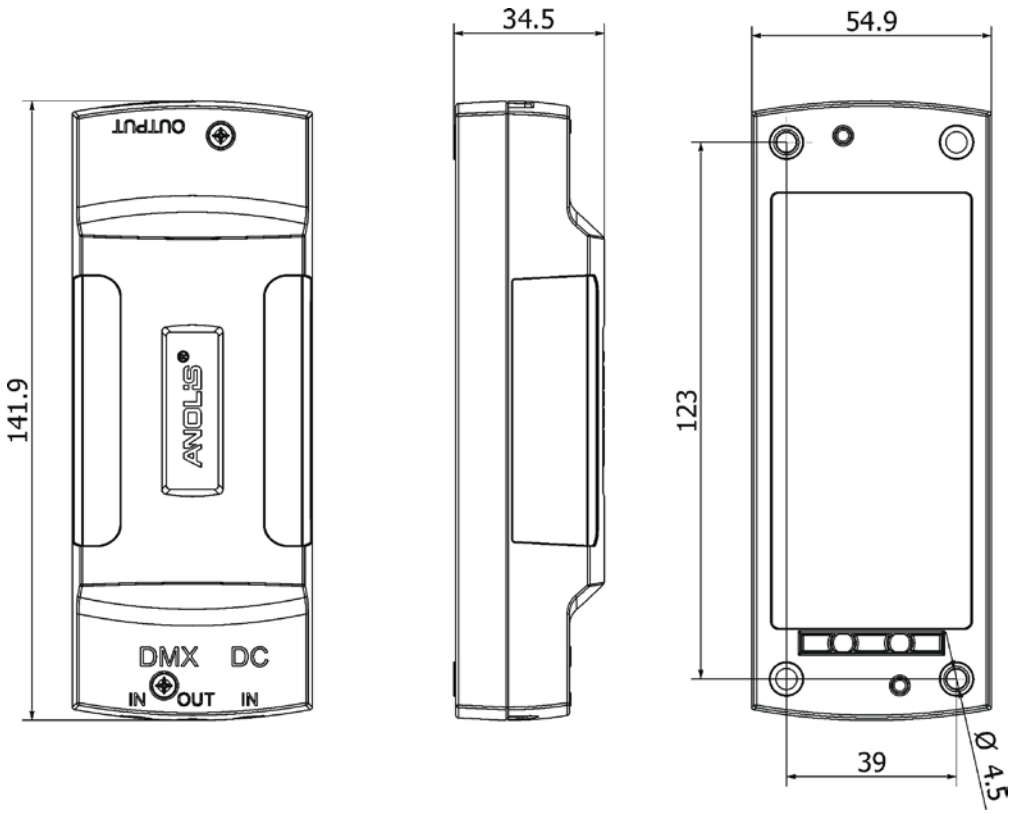


ArcCove, Straight, Low Profile

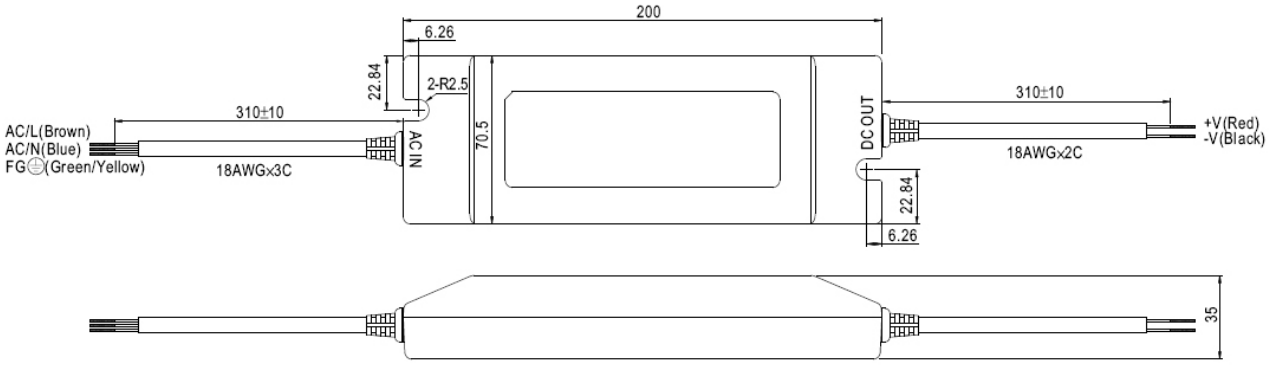


ArcCove, Rail Mount





Power supply PLN-100-24



Version 1.2
January 2, 2014
Specifications are subject to change without notice.