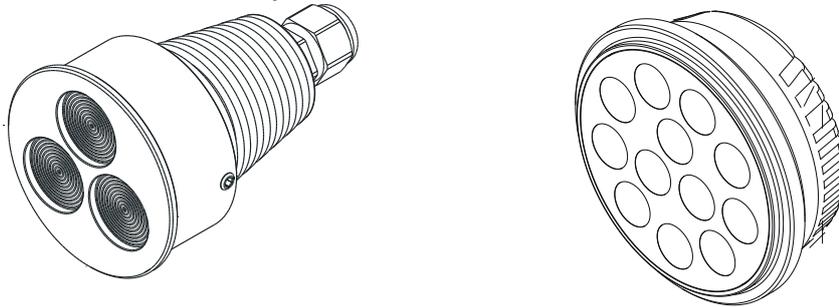


User instructions

ArcSource 3/K2, ArcSource 12/K2

The modules generate colored light by means of Luxeon LEDs. The products were designed to use with the ArcPower drivers and for indoor use only.



1. Attention

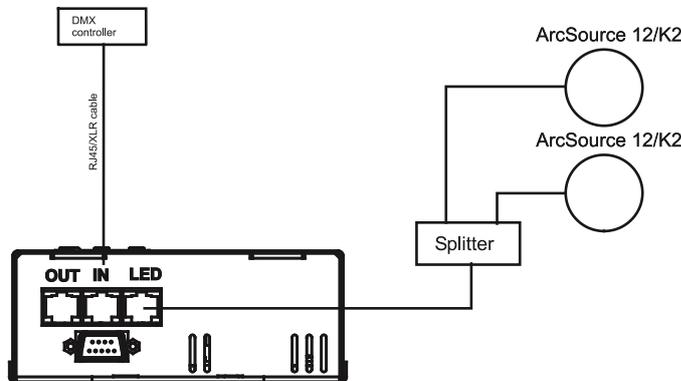
- During the operation the housing becomes hot (up to 90°C).
- Operate only in places where the sufficient air flow to cool the module is present
- The maximum surface temperature of the housing must never be exceeded.
- Do not install the module near high inflammable liquids or materials.
- Do not allow anything to rest on the module.
- Do not use the module near high humidity or water or expose to the rain.
- Do not install the module near the naked flames.
- Do not install the module in dirty, dusty or badly ventilated location.

2. Installation

The ArcSource unit should be connected to the ArcPower driver according to the LEDs colour variants (RGB, WW, CW...).

See ArcPower 36/K2, ArcPower 72/K2 (or ArcPower SmartWhite 36/K2, user manuals for full details of mains power requirements and DMX operation.

Note: Set right current-carrying capacity of each LED branch (colour) in order to keep declared lifetime of LED modules - see menu "SPE" on each ArcPower /K2 driver.



ArcSource units are supplied with 1.5 m of cable for direct connection to the ArcPower drivers.

CAUTION!
Avoid looking directly into the LED light beam at close range!

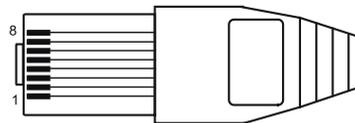
Maximum possible number of LED modules connected to the one ArcPower 36/K2 (or one LED output of the ArcPower 72/K2) is mentioned in the table below.

Module (colour variant)	Total LEDs	Red LEDs	Green LEDs	Blue LEDs	Amber LEDs	Cool white LEDs	Warm white LEDs	Max. number of connected modules	Compatible power supplies
ArcSource 3/K2 RGB	3	1	1	1	-	-	-	12	ArcPower 36/K2 ArcPower 72/K2
ArcSource 3/K2 CW	3	-	-	-	-	3	-	12	ArcPower SmartWhite 36/K2 ArcPower SmartWhite 72/K2
ArcSource 3/K2 WW	3	-	-	-	-	-	3	12	ArcPower SmartWhite 36/K2 ArcPower SmartWhite 72/K2

Module (colour variant)	Total LEDs	Red LEDs	Green LEDs	Blue LEDs	Amber LEDs	Cool white LEDs	Warm white LEDs	Max.number of connected modules	Compatible power supplies
ArcSource 3/K2 R	3	3	-	-	-	-	-	12	ArcPower SmartWhite 36/K2 ArcPower SmartWhite 72/K2
ArcSource 3/K2 G	3	-	3	-	-	-	-	12	ArcPower SmartWhite 36/K2 ArcPower SmartWhite 72/K2
ArcSource 3/K2 A	3	-	-	-	3	-	-	12	ArcPower SmartWhite 36/K2 ArcPower SmartWhite 72/K2
ArcSource 3/K2 B	3	-	-	3	-	-	-	12	ArcPower SmartWhite 36/K2 ArcPower SmartWhite 72/K2
ArcSource 12/K2 RGB	12	4	4	4	-	-	-	3	ArcPower 36/K2 ArcPower 72/K2
ArcSource 12/K2 WWRGB	12	2	2	2	-	-	6	2	ArcPower 36/K2 ArcPower 72/K2
ArcSource 12/K2 CWRGB	12	2	2	2	-	6	-	2	ArcPower 36/K2 ArcPower 72/K2
ArcSource 12/K2 CW	12	-	-	-	-	12	-	3	ArcPower SmartWhite 36/K2 ArcPower SmartWhite 72/K2
ArcSource 12/K2 WW	12	-	-	-	-	-	12	3	ArcPower SmartWhite 36/K2 ArcPower SmartWhite 72/K2
ArcSource 12/K2 SW	12	-	-	-	-	6	6	3	ArcPower SmartWhite 36/K2 ArcPower SmartWhite 72/K2
ArcSource 12/K2 R	12	12	-	-	-	-	-	3	ArcPower SmartWhite 36/K2 ArcPower SmartWhite 72/K2
ArcSource 12/K2 G	12	-	12	-	-	-	-	3	ArcPower SmartWhite 36/K2 ArcPower SmartWhite 72/K2
ArcSource 12/K2 B	12	-	-	12	-	-	-	3	ArcPower SmartWhite 36/K2 ArcPower SmartWhite 72/K2
ArcSource 12/K2 A	12	-	-	-	12	-	-	3	ArcPower SmartWhite 36/K2 ArcPower SmartWhite 72/K2

3.RJ45 pin connection

RJ45 plug
(View facing pins)



Colour variants

Pin	Colour of wire	RGB	Single colour	SW	WWRGB/CWRGB
1	White/orange	Red LED +	Colour LED 1 +	Warm White LED 1+	Red LED +
2	Orange	Green LED +	Colour LED 2 +	Cool White LED 1+	Green LED +
3	White/green	Blue LED +	Colour LED 3 +	Warm White LED 2+	Blue LED +
4	Blue	Not used	Not used	Cool White LED 2+	White LED +
5	White/blue	Red LED -	Colour LED 1 -	Warm White LED 1-	Red LED -
6	Green	Green LED -	Colour LED 2 -	Cool White LED 1-	Green LED -
7	White/brown	Blue LED -	Colour LED 3 -	Warm White LED 2-	Blue LED -
8	Brown	Not used	Not used	Cool White LED 2-	White LED -

4. Technical specifications:

	ArcSource 3/K2	ArcSource 12/K2
Total max. power consumption:	7.6 Watts	30 Watts
Compatible power supplies*:	ArcPower 36/K2, ArcPower 72/K2	ArcPower 36/K2, ArcPower 72/K2
Number of LEDs:	3	12
LED device:	Luxeon K2	Luxeon K2
Optical systems available:	6°, 15°, 25°, 38°	6°, 15°, 25°, 38°
LED colour variants:	RGB, R, G, B, A, WW, CW,	RGB, WWRGB, CWRGB, R, G, B, A, WW, CW, SW
Construction:	precision turned aluminium	precision turned aluminium
Weight:	0.25 kg	0.6 kg
Cooling:	convection	convection
Ingress protection:	IP 2X	IP 2X
Flammability:	94V-0 flame class rating	94V-0 flame class rating

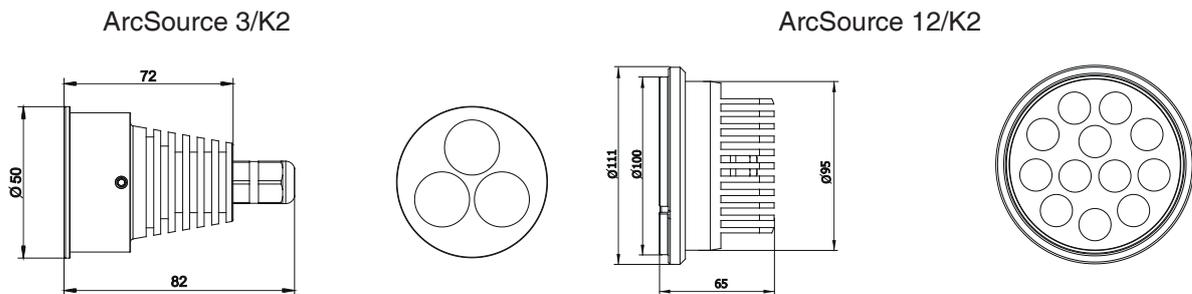
Power /Data plug:	RJ45	RJ45
Power /Data cable:		
type:	24 AWG x 4P,category 5e	24 AWG x 4P,category 5e
length:	1.5 m	1.5m
Ambient temp.range:	-20°C/+40°C	-20°C/+35°C
Led life expectancy** :	minimum 60,000 hrs	minimum 60,000 hours
Typical lumen maintenance:	70%@ 60,000 hours	70%@ 60,000 hours

* For single colour or SmartWhite modules are intended SmartWhite variants of the ArcPower supplies

** Constant operation at a current of 700mA (green,blue and white LEDs) and 420mA (red and amber LEDs)

5. Dimensions:

(All dimensions are in mm)



6. Accessories

ArcSource 3/K2:

- Splitter.....1 piece (No. 13050690)
- Diffuser.....1 piece (No. 14060065)
- MR16-Down Light Fitting.....1 piece (No.17030257)

ArcSource 12/K2:

- Splitter.....1 piece (No. 13050690)

7. Maintenance

- Keep the module dry.
- Operate only in places where the sufficient air ow to cool the module is present
- Periodically clean the front transparent cover.Use a moist, lint-free cloth. Never use alcohol or solvents!