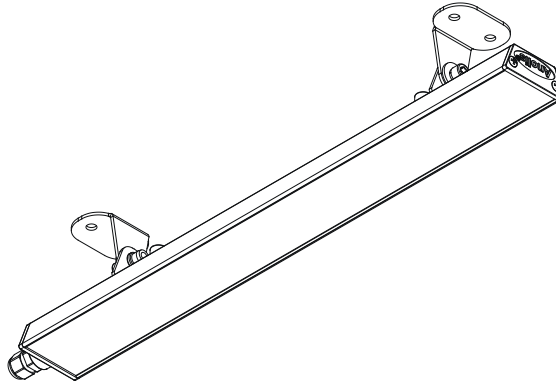


User instructions

ArcLine Optic 12, ArcLine Optic 18, ArcLine Optic 24, ArcLine Optic 36

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.



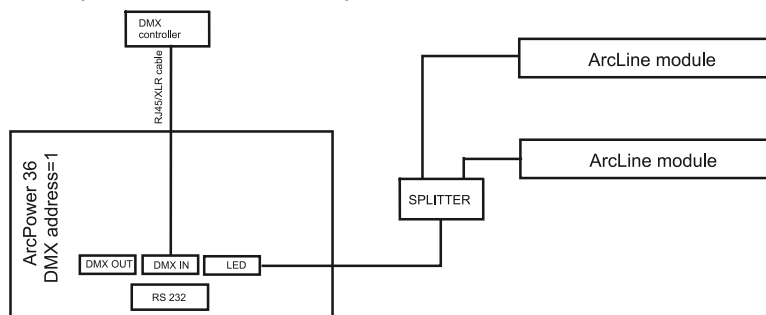
1. Attention

- 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 ArcLine Optic unit should be connected to the ArcPower driver according to the LEDs colour variants (RGB, WW, CW...).

See ArcPower 36, ArcPower 144 (or ArcPower SmartWhite 36, ArcPower SmartWhite 144) user manuals for full details of mains power requirements and DMX operation.



ArcLine Optic 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!

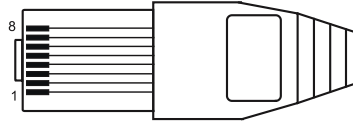
Maximum possible number of LED modules connected to the one ArcPower 36 (or one LED output of the ArcPower 144) is mentioned in the table below.

| 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 |
|-------------------------|------------|----------|------------|-----------|------------|-----------------|-----------------|----------------------------------|---|
| ArcLine Optic 12 RGB | 12 | 4 | 4 | 4 | - | - | - | 3 | ArcPower 36 ArcPower 144 |
| ArcLine Optic 12 CW | 12 | - | - | - | - | 12 | - | 3 | ArcPower SmartWhite 36 ArcPower SmartWhite 144 |
| ArcLine Optic 12 WW | 12 | - | - | - | - | - | 12 | 3 | ArcPower SmartWhite 36 ArcPower SmartWhite 144 |

| 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 |
|-------------------------|------------|----------|------------|-----------|------------|-----------------|-----------------|---------------------------------|---|
| ArcLine Optic 12 R | 12 | 12 | - | - | - | - | - | 3 | ArcPower SmartWhite 36 ArcPower SmartWhite 144 |
| ArcLine Optic 12 G | 12 | - | 12 | - | - | - | - | 3 | ArcPower SmartWhite 36 ArcPower SmartWhite 144 |
| ArcLine Optic 12A | 12 | - | - | - | 12 | - | - | 3 | ArcPower SmartWhite 36 ArcPower SmartWhite 144 |
| ArcLine Optic 12 B | 12 | - | - | 12 | - | - | - | 3 | ArcPower SmartWhite 36 ArcPower SmartWhite 144 |
| ArcLine Optic 12 SW | 12 | - | - | - | - | 6 | 6 | 3 | ArcPower SmartWhite 36 ArcPower SmartWhite 144 |
| ArcLine Optic 18 RGB | 18 | 6 | 6 | 6 | - | - | - | 2 | ArcPower 36 ArcPower 144 |
| ArcLine Optic 18 CW | 18 | - | - | - | - | - | - | 2 | ArcPower SmartWhite 36 ArcPower SmartWhite 144 |
| ArcLine Optic 18 WW | 18 | - | - | - | - | - | 18 | 2 | ArcPower SmartWhite 36 ArcPower SmartWhite 144 |
| ArcLine Optic 18 R | 18 | 18 | - | - | - | - | - | 2 | ArcPower SmartWhite 36 ArcPower SmartWhite 144 |
| ArcLine Optic 18 G | 18 | - | 18 | - | - | - | - | 2 | ArcPower SmartWhite 36 ArcPower SmartWhite 144 |
| ArcLine Optic 18 A | 18 | - | - | - | 18 | - | - | 2 | ArcPower SmartWhite 36 ArcPower SmartWhite 144 |
| ArcLine Optic 18 B | 18 | - | - | 18 | - | - | - | 2 | ArcPower SmartWhite 36 ArcPower SmartWhite 144 |
| ArcLine Optic 24 RGB | 24 | 8 | 8 | 8 | - | - | - | 1 | ArcPower 36 ArcPower 144 |
| ArcLine Optic 24 CW | 24 | - | - | - | - | 24 | - | 1 | ArcPower SmartWhite 36 ArcPower SmartWhite 144 |
| ArcLine Optic 24 WW | 24 | - | - | - | - | - | 24 | 1 | ArcPower SmartWhite 36 ArcPower SmartWhite 144 |
| ArcLine Optic 24 R | 24 | 24 | - | - | - | - | - | 1 | ArcPower SmartWhite 36 ArcPower SmartWhite 144 |
| ArcLine Optic 24 B | 24 | - | - | 24 | - | - | - | 1 | ArcPower SmartWhite 36 ArcPower SmartWhite 144 |
| ArcLine Optic 24 SW | 24 | - | - | - | - | 12 | 12 | 1 | ArcPower SmartWhite 36 ArcPower SmartWhite 144 |
| ArcLine Optic 36 RGB | 36 | 12 | 12 | 12 | - | - | - | 1 | ArcPower 36 ArcPower 144 |
| ArcLine Optic 36 RAB | 36 | 12 | - | 12 | 12 | - | - | 1 | ArcPower 36 ArcPower 144 |
| ArcLine Optic 36 CW | 36 | - | - | - | - | 36 | - | 1 | ArcPower SmartWhite 36 ArcPower SmartWhite 144 |
| ArcLine Optic 36 WW | 36 | - | - | - | - | - | 36 | 1 | ArcPower SmartWhite 36 ArcPower SmartWhite 144 |
| ArcLine Optic 36 R | 36 | 36 | - | - | - | - | - | 1 | ArcPower SmartWhite 36 ArcPower SmartWhite 144 |
| ArcLine Optic 36 G | 36 | - | 36 | - | - | - | - | 1 | ArcPower SmartWhite 36 ArcPower SmartWhite 144 |
| ArcLine Optic 36 A | 36 | - | - | - | 36 | - | - | 1 | ArcPower SmartWhite 36 ArcPower SmartWhite 144 |
| ArcLine Optic 36 B | 36 | - | - | 36 | - | - | - | 1 | ArcPower SmartWhite 36 ArcPower SmartWhite 144 |
| ArcLine Optic 36 SW | 36 | - | - | - | - | 18 | 18 | 1 | ArcPower SmartWhite 36 ArcPower SmartWhite 144 |

3.RJ45 pin connection

RJ45 plug
(View facing pins)



Colour variants

| Pin | Colour of wire | RGB or RAB | Single colour | SW |
|-----|----------------|---------------------|---------------|-------------------|
| 1 | white/orange | Red LED + | LED 1+ | Warm White LED1 + |
| 2 | orange | Green (Amber) LED + | LED 2+ | Cool White LED1 + |
| 3 | white/green | Blue LED + | LED 3+ | Warm White LED2 + |
| 4 | blue | Not used | Not used | Cool White LED2 + |
| 5 | white blue | Red LED - | LED 1- | Warm White LED1 - |
| 6 | green | Green (Amber) LED - | LED 2- | Cool White LED1 - |
| 7 | white/brown | Blue LED - | LED 3- | Warm White LED2 - |
| 8 | brown | Not used | Not used | Cool White LED2 - |

4. Technical specifications:

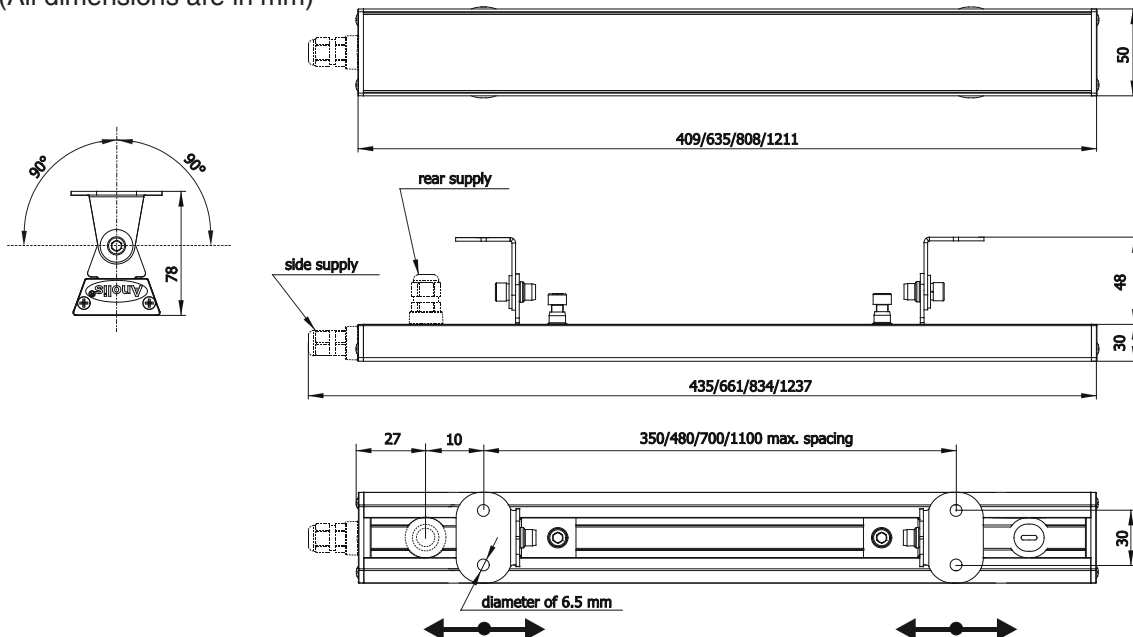
| ArcLine Optic | 12 | 18 | 24 | 36 |
|---|-------------------------------|-------------------------------|---------------------------------|---------------------------------|
| Max input current: | 350 mA | 350 mA | 350 mA | 350 mA |
| Maximum Power Consumption: | 13.6 watts | 20.4 watts | 27.2 watts | 40.8 watts |
| Compatible Power Supplies for RGB,RAB variants: | ArcPower 36,144 | ArcPower 36,144 | ArcPower 36,144 | ArcPower 36,144 |
| Compatible Power Supplies for SW, and single colour variants: | ArcPower SmartWhite 36,144 | ArcPower SmartWhite 36,144 | ArcPower SmartWhite 36,144 | ArcPower SmartWhite 36,144 |
| Operating Ambient Temp. Range: | -20°C/+40°C | -20°C/+40°C | -20°C/+40°C | -20°C/+40°C |
| Operating Temperature: | +50°C@ambient 25°C | +50°C@ambient 25°C | +50°C@ambient 25°C | +50°C@ambient 25°C |
| Cooling : | convection | convection | convection | convection |
| Optical Systems Available: | 6°,15°,25°,38°,25°x6° | 6°,15°,25°,38°,25°x6° | 6°,15°,25°,38°,25°x6° | 6°,15°,25°,38°,25°x6° |
| LED Device: | 1Watt Luxeon | 1 Watt Luxeon | 1 Watt Luxeon | 1 Watt Luxeon |
| LED Colour Variants *: | RGB,R,G,B,A,CW,WW,SW, | RGB,R,G,B,A,CW,WW | RGB,R,G,B,A,CW,WW,SW | RGB,RAB,R,G,B,A,CW,WW,SW |
| Warm White LEDs (WW): | 3300 K | 3300 K | 3300 K | 3300 K |
| Cool White LEDs (CW): | 6500 K | 6500 K | 6500 K | 6500 K |
| Typical Lumen Maintenance: | 70%@ 50,000 hours | 70%@ 50,000 hours | 70%@ 50,000 hours | 70%@ 50,000 hours |
| Led Life Expectancy: | minimum 50,000 hours | minimum 50,000 hours | minimum 50,000 hours | minimum 50,000 hours |
| Construction: | precision extruded alluminium | precision extruded alluminium | precision extruded alluminium | precision extruded alluminium |
| Weight: | 0.75kg | 1.05 kg | 1.3 kg | 1.9 kg |
| Installation method: | Integral univ. mount. system | Integral univ. mount. system | Inte. universal mounting system | Inte. universal mounting system |
| Ingress Protection: | IP 2X | IP 2X | IP 2X | IP 2X |
| Flammability: | 94HB ame class rating | 94HB ame class rating | 94HB ame class rating | 94HB ame class rating |
| Power /Data plug: | RJ45 | RJ45 | RJ45 | RJ45 |
| Power /Data cable | 24 AWG x 4P,category 5e | 24 AWG x 4P,category 5e | 24 AWG x 4P,category 5e | 24 AWG x 4P,category 5e |

* RGB - red&green&blue;R- red;B-blue;G-green,A-Amber,CW-cool white;WW-warm white;SW-smart white;RAB-red&amber&blue

All above-mentioned models are available with the side power supply connection or rear power supply connection.

5. Dimensions:

(All dimensions are in mm)



6. Accessories

- Allen key.....1 piece
- Splitter (No. 13050690).....1 piece (except ArcLine Optic 36)

7. Maintenance

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