ARCALINE 2

AYRTON
Digital Lighting

ARCALINE 2 STATIC LUMINAIRES

ARCALINE™2 LED static luminaire is the ultimate linear evolution within the AYRTON™ range. Using the new 4-colour multi-chip high-power LED as its light-source, and presenting a stunning smooth and sophisticated profile, ARCALINE™2 is perfect for all kinds of static applications.

ARCALINE™2 is equipped with high performance elliptical optics as standard. These optics have been especially developed to give a homogeneous beam and optimum light distribution for stunning wall-washing. However, on special request, ARCALINE™2 can be supplied with optical filters.

ARCALINE™2 is available in two sizes: 53 cm length featuring 8 RGBW LED or 102 cm length featuring 16 RGBW LED.

ARCALINE™2 can be directly powered via its own on-board power supply unit, giving it an incredible variety of uses in any cirumstances or location. Brightness is controlled by the precise driving of the LED so that accurate management of the light output becomes not just a necessity, but an AYRTON™ standard.

ARCALINE™2 fits perfectly with any surroundings or environment, offering both indoor and outdoor options, along with a wide range of scheme solutions. ARCALINE™2 is the ideal fixture for all architectural illumination as well as show venues, TV studios or exhibition applications.

OPTICS
- Beam aperture: 10° x 40°
- 85% optic efficiency
- High-efficiency 45 mm PMMA optics
- Beam aperture can be modified using dedicated AYRTON optic filters or 12°, 25°, 40° native optic on request

LIGHT SOURCE
Arcaline 2 50
- 8 multi-chip 10 Watt LED sources
- Light output: up to 2,000 lumen
- Luminous intensity: 60,000 cd

Arcaline 2 100
- 16 multi-chip 10 Watt LED sources
- Light output: up to 4,000 lumen
- Luminous intensity: 120,000 cd

Arcaline 2 50 & 100
- Rated sources life: up to 25,000 hours
- Flicker free sources management, suitable for TV applications and all video recorded events

COLOURS
- Sophisticated 4 colours RGBW mixed, reaching high Colour Rendering Index
- Uniform light beam with no colour shadows, and rich saturated and pastel colour-hues
- 4.29 billion colours (8 bit resolution)
- Dynamic colour macro effect with variable speed

DIMMER / STROBE
- Electronic dimmer, allowing perfect light adjustment from 0 to 100% without colour variation
- White or colour strobe effect, with speed adjustment from 1 to 25 flashes per second

SOFTWARE FACILITIES
- Remote DMX addressing of the luminaire and its optional parameters through a standard RDM DMX controller
- Constant colour system, whatever the internal/external temperature conditions
- 2 light modes, optimized for architectural or entertainment applications

HARDWARE FACILITIES
- Over temperature protection
- 7 cts male/female IP65 waterproof lockable multifunction connector
- Power supply Input / Output through 7 cts male/female IP65 waterproof lockable multifunction connector

CONTROL
- DMX 512 protocol, through 7 cts male/female IP65 waterproof lockable multifunction connector
- DMX-RDM compatible
- Choice of 6 DMX modes (from 4 to 11 DMX channels)

POWER SUPPLY
- Electronic supply with active PFC
- 110 to 240 Volts - 50/60Hz
- Power 50 Watt max (Arcaline 2 50) 100 Watt max (Arcaline 2 100)

COOLING SYSTEM
- Natural air-flow
- Built-in temperature protection sensor
- Safety protection against temperatures excesses

HOUSING
- Body in extruded anodized aluminium profile
- Sides in die-cast aluminium
- Front window in tempered glass
- IP65 protection rating (indoor and outdoor use)
- Exterior finish: black (Carbon)

INSTALLATION
- 2 integrated multi-positioning brackets
- Fastening brackets system: two Omega ¼ turn brackets designed for use with standard clamps
- Mounting points: two ¼ turn locking fittings allowing installation of Omega brackets on projector

OPERATING PARAMETERS
- Operating positions: all (device on floor or fixed to a support)
- Maximum permitted ambient temperature (Ta max): 45°C (113°F)
- Minimum permitted ambient temperature (Ta min): -10°C (14°F)
- Minimum usage distance: 0.5 m (1.64 ft)

COMPLIANCE
EU (EMC)
- EN 55015 (2006) - EN 55015 A2 (2009)
- EN 61547 (2009) - EN 61000-3-2 (2006)
- EN 61000-3-2 A2 (2009) - EN 61000-3-3 (2008)

EU (LVD)
- EN 60598-1 (2008) - EN 60598-2-17 (1989)
- EN 60598-2-17 A2 (1991)

SIZE
Arcaline 2 50
- Without brackets: 533 x 94 x 78 mm (l x h x d)
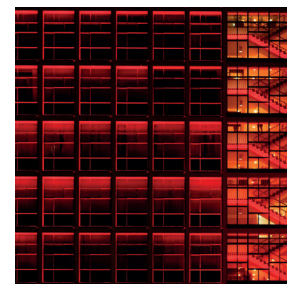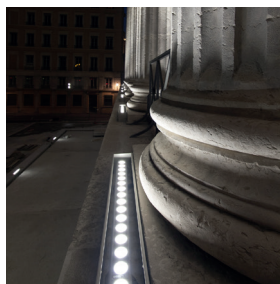- With brackets: 533 x 137 x 137 mm (l x h x d)

Arcaline 2 100
- Without brackets: 1020 x 94 x 78 mm (l x h x d)
- With brackets: 1020 x 137 x 137 mm (l x h x d)

WEIGHT
- Arcaline 2 50: 4.7 KG
- Arcaline 2 100: 8.2 KG

PRODUCT CODES
- 023630: ARCALINE 2 50 STATIC LUMINAIRE
- 023640: ARCALINE 2 100 STATIC LUMINAIRE

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