

NANDOSPOT-SC



AYRTON
Digital Lighting

NANDOSPOT-SC AUTOMATED LUMINAIRES

The NANDOSPOT™SC is AYRTON™'s first LED spot luminaire, offering lighting designers unlimited creative possibilities... without any compromise. The luminaire is built around an AYRTON™ LED module that required more than three years of development and fine-tuning.

Equipped with monochrome emitters, this module has a new-generation aplanetic lens (patent pending) providing the NANDOSPOT™SC with an excess of 20,000 lumen of power. The high-output optics produce an extremely uniform beam with no hot spot. The unique 180 mm frontal lens and 14 lens optical zoom system ensure a 5:1 zoom ratio, with a range of 10° to 50°.



The exceptional NANDOSPOT™SC combines a light emitter calibrated to 6,000K, a whole new CYM colour mixing system, a variable CTO for correcting colour temperature, and a six-position complementary-colour wheel that offers a palette of unlimited choices. The luminaire's effects system has two wheels of six high-definition glass rotating gobos that are interchangeable, a continuous dynamic effects wheel, a shutter, a contour-erasing filter, and a four-facet rotating prism. The NANDOSPOT™SC is equipped with a new highly effective phase-change liquid cooling system using a heat pipe. Air circulation within the luminaire has been optimised to improve cooling and prevent dust contamination on the inside.





OPTICS

- 14 elements 5:1 zoom high resolution optic system
- Beam aperture: 10° to 50°
- Fast motorised linear zoom
- Tempered anti-reflective coated lenses
- 180 mm front lens for ultimate performance

LIGHT SOURCE

- AYRTON brand new 650W 30K LightEngine
- Total luminaire output: up to 20,000 lumen
- Rated sources life: up to 25,000 hours
- Flicker free sources management, suitable for TV applications and all video recorded events

MOVEMENT

- Extremely accurate positioning
- Moving-head operated via either 8 or 16 bit resolution
- High-resolution stepper motors operated via microprocessors ensure extreme accuracy and smooth movements.
- PAN and TILT automatic repositioning
- Moving head range: 540° (PAN), 280° (TILT)

COLOURS

- Sophisticated CMY colour mixing
- Variable CTO colour temperature correction
- Fixed colour wheel with six dichroic colour filters capable of producing multi-colour effects

GOBOS

- 2 indexable rotating gobo wheels with 6 high precision glass gobos plus open position
- Gobo Ø: 30.0 mm - Image Ø: 26.0 mm
- Adjustable speed rotating gobo in both directions

EFFECTS

- Continuous rotating graphic animation effect wheel
- 4-facet rotating and indexable prism
- Light-edge killer filter

IRIS DIAPHRAGM

- Fast iris diaphragme with adjustable dynamic effects

DIMMER / STROBE

- Electronic dimmer & strobe, allowing perfect light adjustment from 0 to 100% without colour variation

SOFTWARE FACILITIES

- Local DMX addressing of the luminaire and its optional parameters through its built-in LCD panel control
- Remote DMX addressing of the luminaire and its optional parameters through a standard RDM DMX controller
- Information menu including hour counter, temperature, software version

HARDWARE FACILITIES

- Graphic LCD display for addressing and special functions settings, with flip function
- 6 menu buttons to set the functions
- Over temperature protection
- Integrated LumenRadio™s wireless CRMX RDM receiver
- XLR 5 pin male and female connectors for DMX connection
- Ethercon RJ45 IN / OUT connectors for ArtNet & sACN connection

- PowerCON TRUE1 male and female connectors for power connection

CONTROL

- DMX 512 protocol, through DMX cable or wireless system
- DMX-RDM compatible
- ArtNet & sACN protocol through Ethernet cable
- Local control panel, with LCD display
- DMX 512 Input / Output through XLR5 connectors
- Choice of 3 DMX modes (from 26 to 40 DMX channels)

POWER SUPPLY

- Electronic supply with active PFC
- 110 to 240 Volts - 50/60Hz
- Power 800 Watt max

COOLING SYSTEM

- Advanced cooling system based on heatpipe technology
- Selectable auto, stage & studio ventilation modes
- Safety protection against temperatures excesses

HOUSING

- Moving-head skeleton made of aluminium and steel metal plates
- Heatsinks in aluminium and copper, satin finish
- Moulded covers in self-extinguishing fire retardant ABS PC (V0 class)
- Two sides handles for transportation
- IP20 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Fastening brackets system: two Omega ¼ turn brackets designed for use with standard clamps
- Mounting points: four ¼ turn locking fittings allowing installation of Omega brackets on projector
- Safety cable attachment point

OPERATING PARAMETERS

- Operating positions: all
- Maximum permitted ambient temperature authorised (Ta max): 45°C (113°F)
- Minimum permitted ambient temperature authorised (Ta min): -10°C (14°F)
- Minimum usage distance: 0.2 m (8 inches)

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

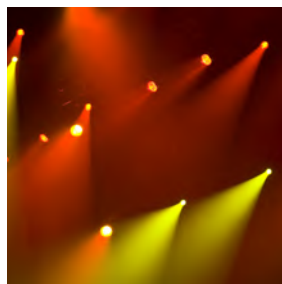
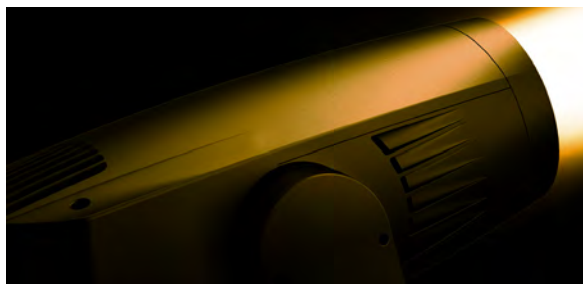
- Product: 453 x 807 x 609 mm (l x h x d)
- Flight-case foam: 515 x 838 x 410 mm (l x h x d)

WEIGHT

- Product: TBA

PRODUCT CODES

- 011550: NANDOSPOT-SC AUTOMATED LUMINAIRE





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