

# NANDOBEAM-S6



**AYRTON**  
Digital Lighting

# NANDOBEAM-S6 AUTOMATED LUMINAIRES

NANDOBEAM™S6 is a very powerful and ultra-fast new generation moving-head fixture in a compact housing. Its advanced and highly efficient proprietary optical system coupled with powerful 15 Watt RGBW LED sources provide a narrow 8° beam as well as wide 40° coverage.

NANDOBEAM™S6's thirty-seven 15 Watt LED are cooled by a heatpipe equipped with heat-transfer fluids and heat-exchange material. This advanced cooling technology gives an extended LED lifetime, quiet operation and maximum light source efficiency. A 6,000 lumen output at its 8° angle makes NANDOBEAM™S6 the perfect lighting tool for use as a beamlight moving-head. Its wide angle capabilities of up to 40° coupled with the same 6,000 lumen light output as its narrow beam angle gives great washlight potential.



The high quality of its colour-mixing makes NANDOBEAM™S6 suitable for the most demanding environments. AYRTON™'s legendary consistency and quality of colour coupled with total control of its beam dispersion at any angle makes NANDOBEAM™S6 perfect for TV studios and stage, while low noise levels and accuracy of movement make it equally suited to events.

NANDOBEAM™S6 is equally happy in front of an audience or a camera. Operated in Expanded Full Colour mode its 3 rings of LED emitters gathered around a central LED can be individually controlled or used with onboard effects to become a very versatile beamlight, washlight or matrix tool.





## OPTICS

- Motorized linear zoom system, ratio 5:1
- Beam aperture: 8° to 40°
- High-efficiency optical system

## LIGHT SOURCE

- 37 multi-chip 15 Watt LED sources
- Light output: up to 6,000 lumen
- Luminous intensity: 150,000 cd (narrow angle)
- Rated sources life: up to 50,000 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), 270° (TILT)

## 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)
- Virtual colour wheel, including most usuals white colour temperature presets
- 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

- 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
- Built-in pattern effects with speed and fade controls for scenic applications
- 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
- Stand-alone mode and Master/Slave modes
- ArtNet & sACN protocol through Ethernet cable
- Local control panel, with LCD display
- Choice of 3 DMX modes (from 17 to 32 DMX channels)

## POWER SUPPLY

- Electronic supply with active PFC
- 110 to 240 Volts - 50/60Hz
- Power 500 Watt max

## COOLING SYSTEM

- Advanced cooling system based on heatpipe technology
- Self adjusting variable speed fans for quiet operation (Auto mode)
- 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
- Four strong wide feet for better stability
- IP20 protection rating
- Exterior finish: black (Carbon)

## INSTALLATION

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

## 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: 0.2 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: 352 x 467 x 267 mm (l x h x d)
- Flight-case foam: 410 x 500 x 330 mm (l x h x d)

## WEIGHT

- Product: 13.9 KG

## PRODUCT CODES

- 013450: NANDOBEAM-S6 AUTOMATED LUMINAIRE





**AYRTON**

Digital Lighting

[www.ayrton.eu](http://www.ayrton.eu)