

# DREAMSPOT-18K



**AYRTON**  
Digital Lighting

# DREAMSPOT-18K AUTOMATED LUMINAIRES

After the 2003 launch of EYECOLOR™, the first available professional moving head LED projector on the market, AYRTON™ is proud to introduce DREAMSPOT™18K, the very first laser-source multifunctional, multiple-use automated luminaire. Fitted with an OSRAM™ Laser PHASER™ P6000 phosphor conversion module that required three years of development and rigorous testing, DREAMSPOT™18K will offer lighting designers an unlimited range of creative possibilities.

The monochrome laser emitter module calibrated at 5,600K enables the luminaire to achieve 18,000 lumen of power. Its 13-element optical zoom system can obtain a highly uniform fat beam with no hot spots, providing a zoom range of 2° to 34° in Beam mode and 6° to 54° in Spot mode.



DREAMSPOT™18K is the first multifunctional moving head spot unit capable of continuous rotation on pan and tilt. Equipped with a CMY subtractive colour mixing system and a wheel of 13 complementary colours, including four CTO filters, this luminaire can produce a virtually infinite palette of pastel and saturated colours. The rich assortment of effects, including fixed and rotating gobos, iris diaphragm, dynamic effects wheel, rotating prisms, and diffusion filters, will satisfy a wide variety of needs. For optimum stability, DREAMSPOT™18K is equipped with a highly effective new phase-change liquid cooling system using a heat pipe.





## OPTICS

- 13 elements 27:1 zoom high resolution optic system
- Beam mode aperture: 2° to 34°
- Spot mode aperture: 6° to 54°
- Fast motorised linear zoom
- Tempered anti-reflective coated lenses
- 133 mm front lens for ultimate performance

## LIGHT SOURCE

- Phaser P6000 High-Power Laser source
- Total luminaire output: up to 18,000 lumen
- Rated sources life: up to 15,000 hours
- Flicker free sources management, suitable for TV applications and all video recorded events

## MOVEMENT

- Continuous pan and tilt rotation
- 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

## COLOURS

- Sophisticated CMY colour mixing
- Fixed colour wheel with 10 dichroic colour filters and 4 CTO filters

## GOBOS

- 1 indexable rotating gobo wheel with 8 high precision glass gobos plus open position
- 1 fixed metal gobo wheel with 14 gobos including 3 beam reducers plus open position

## EFFECTS

- Continuous rotating graphic animation effect wheel
- 2 indexable rotating prisms (linear 4 facets & circle 8 facets)
- 2 frost filters (Soft-edge & Hard-edge)

## IRIS / DIMMER / STROBE

- Fast iris diaphragm with adjustable dynamic effects
- 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 24 to 37 DMX channels)

## POWER SUPPLY

- Electronic supply with active PFC
- 110 to 240 Volts - 50/60Hz
- Power 700 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: 10 m (32.81 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

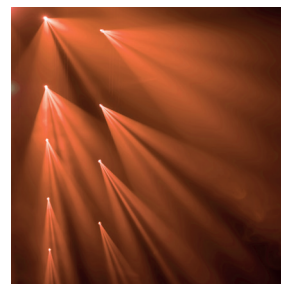
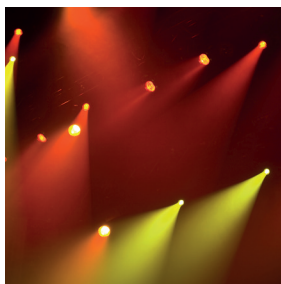
- Product: 486 x 686 x 452 mm (l x h x d)
- Flight-case foam: 569 x 715 x 367 mm (l x h x d)

## WEIGHT

- Product: TBA

## PRODUCT CODES

- 011750: DREAMSPOT-18K AUTOMATED LUMINAIRE





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