

BORA



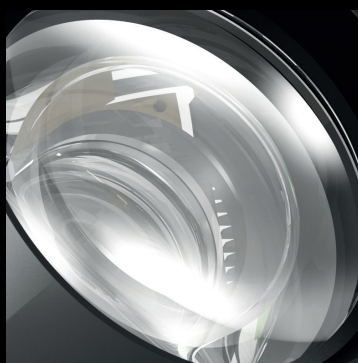
AYRTON
Digital Lighting

BORA AUTOMATED WASH LUMINAIRE

Ayrton has developed BORA, its new feature-packed 750 W wash luminaire, using a radical approach: its specific function is to establish the perfect atmosphere for your creative design. Fitted with a frontal 178 mm spherical lens, the proprietary optical system using 13 high-quality lenses was developed specifically for “wash” applications. It features an 8:1 zoom ratio for a wide zoom range from 8° to 64°. The optics produces an extremely uniform flat beam with no hot spot, ensuring a perfectly homogeneous colour mix regardless of the colour combination selected. BORA comes in two versions, each to meet the specific requirements of lighting professionals. BORA-S is designed for scenic applications. It is equipped with a new LED module calibrated at 8,000 K, delivering powerful metallic white light with record-breaking output of 38,000 lumens. Devised specifically for applications that require perfect colour reproduction, BORA-TC is equipped with an entirely new LED module using a monochromatic light source calibrated at 7,000 K with a native colour rendering index greater than 90, and extremely high TM30 readings.



Feature-rich from the factory, BORA includes a CMY colour mixing system, which, combined with a variable CTO and two wheels with seven complementary colours each, produces an infinite palette of vivid pastels and saturated colours. The framing section allows accurate positioning of four shutter blades on a 100% surface area in all positions, so that the user can frame any object regardless of the luminaire's position. BORA-TC is also factory-equipped with a wheel holding six rotating gobos specially designed for wash-type applications, a variable linear frost and a 15-blade iris diaphragm. Like all Ayrton luminaires, BORA has a phase-change liquid cooling system using a heat pipe that includes a particularly effective silent ventilation mode. BORA comes in two variants to accommodate all types of professional use. BORA-S is particularly suitable for situations requiring a great deal of light output such as concerts or other live entertainment. Designed for total versatility, BORA-TC is ideal for applications that call for impeccable colour reproduction, such as fashion shows or car shows.





OPTICS

- 13 element 8:1 zoom in high-resolution optic system
- Beam aperture: 8° to 64°
- Fast motorised linear zoom
- Tempered anti-reflective coated lenses
- 178 mm frontal lens for greater performance

LIGHT SOURCE

BORA-S

- 60,000 lumens 8,000 K white light engine
- Total luminaire output: up to 38,000 lumens
- CRI: greater than 70

BORA-TC

- 48,000 lumen 7,000 K white light engine
- Total luminaire output: up to 31,000 lumen
- CRI: greater than 90
- 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 to ensure extreme accuracy and smooth movements
- Pan and tilt with automatic repositioning
- Moving-head range: 540° (pan), 280° (tilt)

COLOURS

- Sophisticated colour mix system providing CMY colour mixing
- Variable CTO colour temperature correction
- 2 fixed colour wheels with six complementary colours each

GOBOS

- Indexable rotating gobo wheel with 6 gobos plus open position

BARNDOORS

- 4 individually positionable shutter blades
- Rotation of the framing system module: +/- 50°

IRIS DIAPHRAGM

- Fast iris diaphragm with adjustable dynamic effects
- Iris range: 15% to 100% open

FROST

- 0% to 100% variable linear frost

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 FEATURES

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

HARDWARE FEATURES

- Graphic LCD display for addressing and special functions settings, with flip function
- Clicking jog wheel to set functions
- Excess temperature protection
- Integrated LumenRadio™ wireless CRMX TIMo™ RDM receiver
- XLR 5 pin male and female connectors for DMX connection
- Ethercon RJ45 IN / OUT connectors for ArtNet™ connection
- PowerCON TRUE1 male connector 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 30 to 52 DMX channels)

POWER SUPPLY

- Electronic supply with active PFC
- 110 to 240 Volts – 50/60Hz
- Power: 1,100 W maximum

COOLING SYSTEM

- Advanced liquid cooling system
- Self-adjusting variable speed fans for quiet operation
- Selectable auto, stage & studio ventilation modes
- Safety protection against temperatures excesses

HOUSING

- Moving-head skeleton made of aluminium
- Heatsinks in aluminium and copper
- Moulded covers in self-extinguishing fire retardant ABS PC (V0 class)
- Two-side handles for transportation
- Four heavy-duty 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
- 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

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU

SIZE

- Product: 494 x 737 x 280 mm (l x h x d)
- Flight-case foam: 655 x 590 x 555 mm (l x h x d)

WEIGHT

- Product: 37.8 KG

PRODUCT CODES

- 010640: BORA-S AUTOMATED WASH LUMINAIRE
- 010650: BORA-TC AUTOMATED WASH LUMINAIRE





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www.ayrton.eu