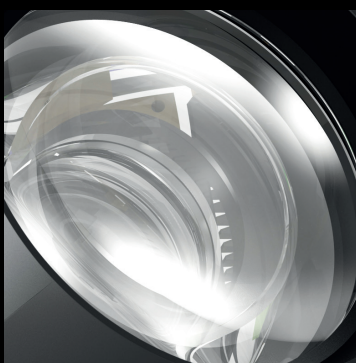# BORA

ADDRESS
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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 8000 K, delivering powerful metallic white light with record-breaking output of 40,000 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 7000 K with a native colour rendering index greater than 90, and extremely high TM30 readings.

Wonderfully sleek and compact, Bora-S and Bora-TC are examples of meticulous workmanship. Feature-rich from the factory, BORA includes a CMY colour mixing system, which, combined with a variable CTO and two wheels with six 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 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 40,000 lumens
- Colour temperature output: 6800 K
- CRI: greater than 70

BORA-TC
- 48,000 lumen 7,000 K white light engine
- Total luminaire output: up to 31,000 lumens
- Colour temperature output: 6000 K
- CRI: greater than 90
- Rated life (L70): up to 40,000 hours
- Flicker free sources management suitable for TV applications and all video-recorded events

MOVEMENT
- Highly accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt with automatic repositioning
- Range: 540° (pan), 270° (tilt)

COLOURS
- Sophisticated CMY colour mixing
- Variable CTO
- 12 complementary colours

GOBOS
- 6 indexable rotating metallic gobos
- Adjustable-speed rotating gobo
- Gobo diameter: 34.3 mm
- Image diameter: 25.0 mm

BARNDOORS
- 4 individual shutter blades
- Positionable on 100% of the surface area
- Rotation of the module: +/- 45°

IRIS DIAPHRAGM
- 15-blade iris diaphragm
- Range: 15% to 100% open

FROST
- 0% to 100% variable linear frost

EFFECT
- Sparkle effect: speed and fade adjustment

DIMMER / STROBE
- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES
- Graphic LCD display with flip function
- Clicking jog wheel to set functions
- Integrated LumenRadio™ receiver
- XLR 5 pin connectors
- etherCON RJ45 connectors
- powerCON TRUE1 connector

CONTROL
- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- 3 DMX modes (30 to 52 DMX channels)

POWER SUPPLY
- 120 to 240 Volts – 50/60 Hz
- Power: 1,150 W maximum

COOLING SYSTEM
- Advanced liquid cooling system
- Self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING
- Skeleton in aluminium and steel plates
- Base in die-cast aluminium
- Moulded covers in ABS PC (V0 class)
- Two-side handles
- Four heavy-duty feet
- IP20 protection rating
- Exterior finish: black (Carbon)

INSTALLATION
- Two Omega ¼ turn brackets
- Eight ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS
- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -10 °C (14 °F)
- Minimum usage distance: 2.0 m (6.56 ft)

COMPLIANCE
EU (EMC & LVD):
- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU

US Safety
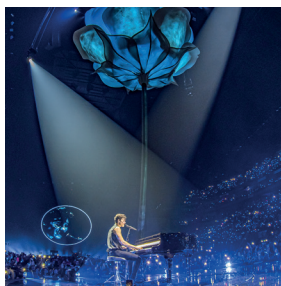- UL 1573
- FCC Part 15, Subpart B: 2018

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

ADDRESS 042
Press <Mode> to Menu

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www.ayrton.eu

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