

# AYRTON HURACÁN LT

## Moving Light

HURACÁN LT is the first LED luminaire in the brand new line of “LT” (Long Throw) products dedicated to long-range applications.

To achieve an ultra-intense beam from a LED source, AYRTON has added 225 mm-diameter, extra-large frontal optics weighing 7 kg. The proprietary optical system has 13 lenses, delivering a 15:1 zoom ratio and a zoom range of 3.5° to 53°. Fitted with a next-generation, oversized liquid phase-change cooling system and a new high-efficiency 1000 W LED module, HURACÁN LT delivers record light output of 51,000 lumens at a colour temperature of 6700 Kelvin when operating at a steady state. Provided with multiple optical tools designed for shaping light, HURACÁN LT is factory-equipped with a removable high-transmission diffusion filter to erase the edge of the beam without changing its angle; a progressive linear frost system for precision adjustment of the desired diffusion level for creating artificial wash effects; and two combinable image-multiplying rotating prisms – one linear with four facets, and the other circular with five facets.



### OPTICS

- 13-element 15:1 zoom high-resolution optic system
- Beam aperture: 3.5° to 53°
- Fast motorised linear zoom
- Tempered anti-reflective coated lenses
- 225 mm frontal lens for greater performance

### LIGHT SOURCE

- 75,000 lumens 8200 K white light engine
- Total luminaire output: up to 51,000 lumens (integrating sphere measurement, Fan mode AUTO)
- Colour temperature output: 6700 K
- CRI: greater than 70
- Rated life (L70): up to 40,000 hours
- Flicker-free source 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 movement
- Pan and tilt automatic repositioning
- Moving-head range: 540° (pan), 270° (tilt)

### FRAMING SYSTEM

- 4 individually positionable shutter blades on a 100% surface area in all positions
- Rotation of the framing system module: +/- 60°

### GOBOS

- Two indexable rotating gobo wheels with seven high precision
- Adjustable-speed rotating gobo in both directions
- Gobo diameter: 30.0 mm
- Image diameter: 25.0 mm
- Gobo thickness: 1.1 mm

### IRIS DIAPHRAGM

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

### EFFECTS

- Monochromatic multi-position graphical animation effects wheel with continuous rotation in both directions
- CMY & RGB colour graphic animation effect-wheel with continuous rotation in both directions
- 2 combinable rotating and indexable prisms: one 5-facet circular, one 4-facet linear

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### DIMMER / STROBE

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

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

Clicking jog wheel to set functions

Excess temperature protection

Integrated wireless CRMX TiMo RDM receiver from LumenRadio

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 a 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 44 to 70 DMX channels)

### INSTALLATION

Fastening bracket 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

### COLOURS

Complex colour mixing system with a double CMY saturation

Variable CTB colour temperature correction

### COOLING SYSTEM

Advanced liquid cooling system

Self-adjusting variable speed fans for quiet operation (Auto)

Selectable ventilation user modes including Super Silent Mode

Safety protection against excess temperature

### HOUSING

Moving-head skeleton made of aluminium and steel metal plates

Base in die-cast 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)

### POWER SUPPLY

Electronic supply with active PFC

120 to 240 Volts – 50/60Hz

Power: 1,600 W maximum

### 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: 3.0 m (9.84 ft.)

### FROST

2 frost filters: one light, one heavy

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### COMPLIANCE - EU (EMC & LVD):

EMC Directive 2014/30/EU

LVD Directive 2014/35/EU

### WEIGHT

Product: 53.8 kg

### PRODUCT CODES

011870: HURACÁN LT – CLASSICAL 9 SERIES

### COMPLIANCE - US (SAFETY & EMC)

UL 1573

FCC Part 15, Subpart B:2018

### SIZE

Product: 494 x 867 x 280 mm (l x h x d)

Flight-case foam: 745 x 550 x 660 mm (l x h x d)

HURACÁN LT has adopted the same revolutionary complex colour mixing system as HURACÁN PROFILE offering a double saturation level that can obtain over a billion colours (patent pending) and a triple variable colour temperature corrector that allows subtle adjustment from 2700 K to 15000 K and offers noticeable CRI improvement. HURACÁN LT features an advanced framing section, which enables 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. The effects section includes two superimposed rotating gobo wheels each with seven HD glass gobos; a 15-blade iris diaphragm; a monochromatic multi-position effects wheel for horizontal, vertical or axial scrolling for creating flame, water or radiant effects (patent pending) and a CMY and RGB effects wheel for unique multicolour effects. HURACÁN LT, which combines exceptional light power and an ultra-intense beam with standard equipment in a class by itself, is a formidable tool for large venues, such as arenas and stadiums dedicated to major events.



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