

# MAGICBURST



**AYRTON**  
Digital Lighting

# MAGICBURST CREATIVE SOLUTIONS

MAGICBURST™ is the first high-power graphic LED strobe with continuous, unlimited, rotation on pan and tilt. A 384 x 384 mm squared face supports 3,840 high-output LED grouped into 64 pixels on an 8 x 8 matrix (patent pending). The strobe duration, speed and intensity of each 60 LED pixel can be individually controlled to create breathtaking stroboscopic effects.

A library of fixed images and pre-programmed dynamic effects are accessible from fixture memory. With a new, state-of-the-art, ultra-compact 1,300 Watt power supply, MAGICBURST™ can deliver peak light output of over 240,000 lumen for several seconds.



With a minimalist design and reduced visual footprint, MAGICBURST™ is similar to the form factor of the DREAMPANEL™ product family, which allows you to create giant graphic arrays with no visible structure. The standardized size of the LED matrix permits hybrid screens to be assembled, to allow you to use different units from the AYRTON™ product family in combination. MAGICBURST™ has extended serial connectivity and can be controlled via DMX-RDM, ArtNet™, sACN or a wireless link using CRMX TIMo RDM from LumenRadio™.





## LIGHT SOURCE

- 3840 mono-chip LED sources
- Pixel resolution: 8 x 8
- Pixel population: 64 of 60 LED
- Light output: up to 240,000 lumen
- Rated sources life: up to 50,000 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

- Monochromatic daylight source perfectly calibrated at 5,600K

## DIMMER / STROBE

- Electronic dimmer, allowing perfect light adjustment from 0 to 100%
- Individual control of the speed, duration and intensity for each pixel
- White 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 TiMo 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 protocols through Ethernet cable
- Local control panel, with LCD display
- Choice of 4 DMX modes (from 12 to 203 DMX channels)

## POWER SUPPLY

- Electronic supply with active PFC
- 110 to 240 Volts - 50/60Hz
- Power 1,400 Watt max

## COOLING SYSTEM

- Advanced cooling system
- 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 (VO 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: four ¼ turn locking fittings allowing installation of omega brackets on projector
- 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: 1.0 m (3.28 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

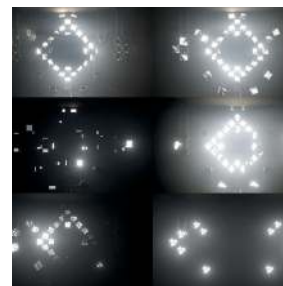
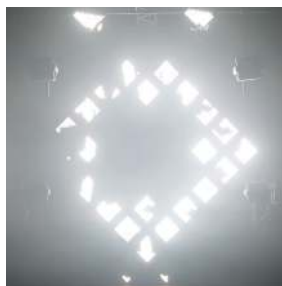
- Product: 473 x 641 x 307 mm (l x h x d)
- Flight-case foam: 559 x 662 x 367 mm (l x h x d)

## WEIGHT

- Product: 18.9 KG

## PRODUCT CODES

- 016850: MAGICBURST CREATIVE SOLUTION





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