ROBIN® MMX Blade™

The Robin MMX Blade is based on the new technology MMX discharge fixture, comparable output to 1200 W luminaires, the MMX Blade adds a framing shutter system into the optical path.

Four fast, smooth moving, shutter blades are individually angled and positioned within a frame which itself can rotate through 90 degrees. As well as providing a sharp or soft, precisely repeatable, frame for the projected image, the system produces a new series of fast moving in-air effects through pre-programmed blade shape and movement sequences.

The MMX Blade includes many of the innovative features of the MMX including the Robe exclusive Hot-Spot lamp control feature that allows remote adjustment of flat beam uniformity or power beam hot-spot.

Source

- Lamp: Compact high-pressure metal halide lamp
- Base: PGJX36
- Approved model: Philips MSR Platinum 35, 1200 W equivalent
- Lamp Life: 750 hours
- Control: Automatic and remote on/off
- Ballast: Electronic

Optical System

- Dichroic glass reflector for maximising the light efficiency
- Zoom range: 8.5° – 45.5° (8.5° – 41.5° for gobo, 9.8° – 45.5° for open hole)

Electromechanical Effects

- Cyan: 0–100%
- Magenta: 0–100%
- Yellow: 0–100%
- CTO: 0–100%
- Hot-spot control: Hot-or-not-spot
- Colour wheel: 6 dichroic filters + white
- Framing shutters: 4 individually positionable blades with 90° rotation of the complete framing system
- Aluminium Animation wheel
- Rotating Gobo wheel 1: 7 rotating, indexable, replaceable "SLOT&LOCK" glass gobos + open
- Iris: Motorized, stepless, pulse effects up to 3 Hz
- Prism: 5-facet prism rotating in both directions at different speeds
- Frost effect: separate, variable
- Dimmer/Shutter: full range dimming and variable strobe effect, Electronic strobbing "ZAP" effect
- Motorized zoom and focus
- Pan: 540°
- Tilt: 270°

Control and Programming

- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2
- Optional wireless version available: CRMX™ technology from Lumen Radio
- Control channels: 45, 39, 37
- 3 DMX protocol modes
- 3-editable programs, each up to 100 steps
- Stand-alone operation
- QVGA Robe touch screen with battery backup gravitation sensor for auto screen positioning operation memory service log with RTC
- Pan/Tilt resolution: 8 or 16 bit
- Movement control: Tracking and vector
- Colour wheel positioning: 8 or 16 bit
- Rotating gobo wheel positioning: 8 bit
- Gobo indexing & rotation: 8 or 16 bit
- Framing shutters system: 8 bit
- Animation wheel: 8-bit
- Iris: 8 or 16bit
- Frost: 8 bit
- Zoom: 8 or 16bit
- Focus: 8 or 16bit
- Dimmer: 8 or 16bit
- Ethernet port: Art-Net, MA Net, MA Net 2 protocols, ready for ACN
- Data in/out: Locking 3-pin & 5-pin XLR
- Power in: Neutrik PowerCon
- Built-in analyser for easy fault finding

Rotating Gobos

- Glass gobos - outside diameter: 26.8 mm, image diameter: 22.0 mm, thickness: 1.1 mm, max. thickness: 4.0 mm, high temperature borofloat or better glass

Animation wheel

- Aluminium Animation wheel
- Can be used alone or in combination with rotating gobos
- Rotating in both directions, variable speed

Framing shutters system

- 4 Blades, each with separate movement and rotation control
- Smooth blade movements at variable speed
- Ultrafast blade movements for creating mid-air effects
- Pre-programmed shape and blade sequences
- 90° rotation of the complete framing system

Thermal Specification

- Maximum ambient temperature: 45 °C (104 °F)
- Maximum surface temperature: 100 °C (212 °F)

Electrical Specification

- Power supply: Electronic auto-ranging
- Input voltage range: 100–240 V, 50/60 Hz
- Power consumption: 1020 W at 230 V / 50 Hz
- cETLus compliant
- CE compliant

Mechanical Specification

- Height: 722 mm (28.4") – head in vertical position
- Width: 446 mm (17.6")
- Depth: 530 mm (20.8")
- Weight: 27 kg (59.5 lbs)
- Fixation option: Pan/Tilt-lock mechanism

Rigging

- Mounting points: 2 pairs of ¼-turn locks
- 2 x Omega brackets with ¼-turn quick locks

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