

ROBIN® MMX Spot

The Robe MMX is a new technology discharge fixture that has similar light output to most existing 1200W luminaires. The unit is based on the all new Robin advanced technology design that provides Brighter, more efficient, physically lighter and smaller fixtures than previously possible. The MMX includes the Robe exclusive Hot-Spot lamp control feature that allows remote adjustment of flat beam uniformity or power beam hot-spot.

Key feature of the MMX is the 'Dual Graphics Wheel' - 2 fully controllable contra-rotating plates that can be positioned anywhere across the light path to produce unique visual effects.



Source

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

Optical System

- Fixture total lumen output: 26141 lm
- Dichroic glass reflector for maximising the light efficiency
- Beam angle: Zoom range: 8.5° – 46.5° (8.5° – 42.5° for gobo, 9.8° – 46.5° 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
- Dual Graphic Wheel
- Rotating Gobo wheel 1: 7 rotating, indexable, replaceable "SLOT&LOCK" glass gobos + open
- Rotating Gobo wheel 2: 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: 38, 31, 29, 40
- 4 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 16bit
- Rotating gobo wheel positioning: 8 or 16bit
- Gobo indexing & rotation: 8 or 16bit
- Dual Graphic 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 protocol, ready for ACN
- Data in/out: Locking 3-pin & 5-pin XLR
- 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

Thermal

- 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



Mechanical Specification

- Height: 722 mm (28.4") – head in vertical position
- Width: 446 mm (17.6")
- Depth: 530 mm (20.8")
- Weight: 25.5 kg (56.2 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

