

# MMX Spot™

The Robe MMX is a new technology discharge fixture that has similar light output to most existing 1200W luminaires.

**Light source**

Philips MSR Platinum 35

**Light output**

26.141 lm

**Zoom range**

8,5° - 46,5°

**Effects**2x rotating gobo wheel, Dual Animation  
Wheel, 5-facet rotating prism

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.

# Technical Specification

## 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 + openIris: 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, 404 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 specification

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

## Electrical specification and connections

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

## Approvals

- CE
- cETLus

## 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

## Gobos&Colours

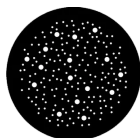
### Rotating Gobo Wheel



15020255



15020249



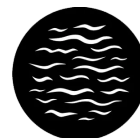
15020250



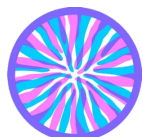
15020178



15020252

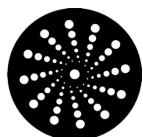


15020251



15030030

### Rotating Gobo Wheel 2



15020248



15020190



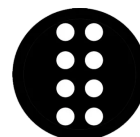
15020253



15020254



15020256

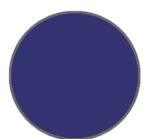


15020257



15020143

### Colour Wheel



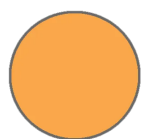
14070344



14070343



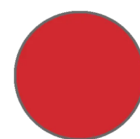
14070342



14070341

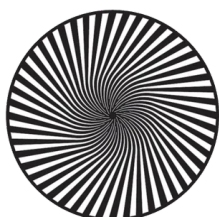


14070340

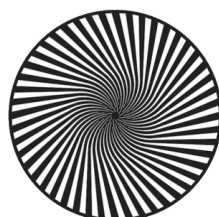


14070339

### Animation Wheel



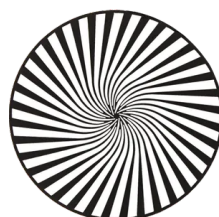
11020168



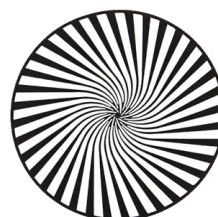
11020169



11020170



11020171



11020172