ROBE lighting s .r.o., Hazovice 2090
75661 Roznov pod Radhostem
Czech Republic

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BMFL™ Blade

Four fast shutter blades with smooth and precise movement in the new BMFL Blade lighting fixture. Individually angled and positioned within a frame - which itself can rotate through 90 degrees, providing a sharp or soft, precisely repeatable, frame for the projected image.

Producing a new series of fast-moving in-air effects through pre-programmed shape and movement sequences of the blades, gobo images can be trimmed or framed in a regular, triangular or trapezoid shape. Each pair of opposing blades can close to a complete blackout.Two gobo wheels – one rotating with six slot&lock gobo positions plus another with 8 static gobos can be combined with the Animation wheel to create numerous dynamic projected effects. Add all this to the already acclaimed BMFL features including: exceptionally smooth linear dimming, Imperceptable high definition colour mixing, full width beam, Output in excess of 250,000 lux at 5 metres – and the Robe EMS™ (Electronic Motion Stabiliser) technology, enabling the BMFL™ to both move and stop faster and more precisely than any other fixture in its class - all this housed in a compact body profile weighing just 37,9 Kgs.

Light source
1700 W OSRAM Lok-it! HTI 1700/PS

LIGHT OUTPUT
40.000 lm, 250.000 lx @ 5 m, 2.500 lx @ 50 m

Zoom range
5° - 55°

Effects
rotating and static gobo wheel, circular and linear prism, framing shutters, animation wheel

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Technical Specification

SOURCE

- Lamp: Compact short-arc metal halide lamp
- Base: PGJ 28 Lok-it!
- Approved model: Osram Lok-it! HTI 1700/PS
- Lifetime: 750 hours @ 1700 W / 1500 W / Quiet mode
- Colour Temperature: 6.000 K
- CRI: 92+
- Control: Automatic and remote on/off

OPTICAL SYSTEM

1. Fixture total lumen output:

    - 40.000 lm at 1.700 W
    - 36.500 lm at 1.500 W
    - 32.000 lm at 1.200 W (Quiet mode)

- 250.000 lx @ 5 m, 2.500 lx @ 50 m
- Dichroic glass reflector for maximising the light efficiency
- Zoom optical system: 11:1
- Beam angle: Zoom range 5°-55°
- Output Lens diameter: 160 mm

ELECTROMECHANICAL EFFECTS

- Cyan: 0-100 %
- Magenta: 0-100 %
- Yellow: 0-100 %
- Variable CTO: 2.700 - 6.000 K
- Colour wheel 1: 6 fixed dichroic colours: deep red, deep blue, orange, green, magenta, congo blue + white
- Colour wheel 2: 6 replaceable "SLOT&LOCK" dichroic colours: pink, lavender, laser green, 9.000 K CTB, minus half and minus green + white
- Framing shutters: 4 individually positionable blades plus rotation of the complete frame system +-45°
- Aluminium Animation Wheel: used alone or in combination with gobos, rotating in both directions at variable speed
- Effects: 6-facet circular and 6-facet linear rotating and indexable prisms
- Rotating Gobo wheel: 6 rotating, indexable, replaceable "SLOT&LOCK" glass gobos + open
- Static Gobo wheel: 8 static, replaceable "SLOT&LOCK" glass gobos + open
- Iris: Motorized, stepless, pulse effects up to 3 Hz
- Frost: Variable Light, Medium and Heavy Frosts
- Dimmer: Optimized dual blade system for exceptional smooth dimming
- Shutter: Separate dual blade system, Variable strobe effect up to 10 Hz, full black out
- Zoom and focus: Motorized
- Pan: 540°
- Tilt: 270°

CONTROL AND PROGRAMMING

- Setting & Addressing: ROBE Navigation System 2 (RNS2)

- Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN
- Optional wireless version: CRMX™ technology from Lumen Radio (on request)
- Control channels: 49, 42
- Protocol modes: 2 DMX protocol modes
- Programs: 3 editable, each up to 100 steps
- Stand-alone operation: Yes
- Display: QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning operation memory service, operation memory service log with RTC
- Pan/Tilt resolution: 16 bit
- Movement control: Tracking and vector
- CMY & CTO: 8 bit
- Colour wheel positioning: 8 or 16 bit
- Framing Shutters system: 8 bit
- Rotating Gobo Wheel positioning: 8 bit
- Static Gobo Wheel positioning: 8 bit
- Gobo indexing & rotation: 8 or 16 bit
- Animation Wheel: 8 bit
- Animation wheel rotation: 8 bit
- Iris: 8 or 16 bit
- Frost: 8 bit
- Zoom: 8 or 16 bit
- Focus: 8 or 16 bit
- Dimmer: 8 or 16 bit
- Ethernet port: Art-Net, MA Net, MA Net 2, sACN
- Data in/out: Locking 3-pin & 5-pin XLR
- Power in: Neutrik PowerCon

ROTATING GOBOS

- Gobo wheel: 6x Rotating Glass gobos
- Outside diameter: 30.8 mm
- Image diameter: 25.0 mm
- Thickness: 1.1 mm
- Max. thickness: 3.5 mm

STATIC GOBOS

- Gobo wheel: 8x Static Glass gobos
- Outside diameter: 30.8 mm
- Image diameter: 25.0 mm
- Thickness: 1.1 mm
- Max. thickness: 1.1 mm

FRAMING SHUTTERS SYSTEM

- Blade: 4 Blades, each with separate movement and rotation control
- Movement: Smooth with variable speed, ultrafast blade movements for creating mid-air effects
- Pre-programmed: Shape and blade sequences

THERMAL SPECIFICATION

- Maximum ambient temperature: 45 °C (113 °F)
- Maximum surface temperature: 170 °C (338 °F)

ELECTRICAL SPECIFICATION

- Power supply: Electronic auto-ranging
- Input voltage range: 200-240 V, 50/60 Hz
- Power consumption: 2000 W at 230 V / 50 Hz

MECHANICAL SPECIFICATION

- Height: 813 mm (32") - head in vertical position
- Width: 483 mm (19")
- Depth: 335 mm (13.2")
- Weight: 37.9 kg (83.6 lbs)
- Fixation option: Pan/Tilt-lock mechanism

RIGGING

- Mounting points: 2 pairs of 1-turn locks
- Universal operating position
- 3 mounting positions: 0°, 32° and 90°

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gobos & colours

ROTATING GOBO WHEEL

15020290

15020303

15020302

15020300

15020297

15020301

STATIC GOBO WHEEL

15020296

15020291

15020292

15020293

15020294

15020295

15020298

15020299

COLOUR WHEEL 1

14070411

14070393

14070394

14070395

14070396

14070397

COLOUR WHEEL 2

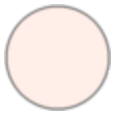
99014263

99014264

99014265

99014266

99014267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