BMFL WashBeam™

The strong-arm of the BMFL™ family - the superbly powerful BMFL WashBeam comes with extra bright output and an abundance of great features, e.g newly developed framing shutters, super wide front lens and animation wheel.

The BMFL WashBeam will enhance any show with its large beam produced through wide 180 mm front lens. With custom light source designed for Robe it produces an astounding 300.000 lux at 5 metres! Rotating gobo wheel with carefully selected gobos ensure many combinations of in air animations, but can also produce nice spot-like projections on surfaces. Four fast shutter blades with smooth and precise movement offer individually angled positions within a frame - which itself can rotate through 90 degrees, providing a sharp or soft, precisely repeatable frame for the projected image. Fast movement of the framing system also allows unique in air beam effects. Adding frost fi lters can enhance the projection by adding smooth touches to the beam‘s edge.

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: 90
- Control: Automatic and remote on/off
- Ballast: Electronic

Optical System

Fixture total lumen output:

  - 41.000 lm at 1.700 W
  - 38.130 lm at 1.500 W
  - 33.620 lm at quiet mode
- 300.000 lx @ 5m, 3.000 lx @ 50m
- Dichroic glass reflector for maximising the light efficiency
- Zoom optical system: 9:1
- Beam angle: Zoom range 5°-45°
- Output lens diameter: 180 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
- Rotating gobo wheel: 6 rotating, indexable, replaceable "SLOT&LOCK" glass gobos + open
- Iris: Motorized, stepless, pulse effects up to 3 Hz
- Frost: Variable Light, Medium plus replaceable Heavy (two another frosts included)
- 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°
- EMSTM: Electronic Motion Stabiliser system for reducing beam deviation caused by truss movement or vibration (patent pending)

Control and Programming

- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Protocols: USITT DMX-512, RDM, Art-Net, MA Net, MA Net2, sACN
- Optional wireless version: CRMX™ technology from Lumen Radio (on request)
- Control channels: 48, 41
- 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
- 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
- Built-in analyser for easy fault finding

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
- Material: High temperature borofloat or better glass

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
- Rotation: 90° of the complete framing system

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: 826 mm (32.5") - head in vertical position
- Width: 483 mm (19.0")
- Depth: 335 mm (13.2")
- Weight: 38.4 kg (84.7 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°
- 2x Omega brackets with 1/4-turn quick lock