

BMFL™ Wash / Wash XF



BMFL™ - Wash is the ultimate fresnel based 1.700 W lamp based wash light with large 200 mm diameter front fresnel lens for high quality traditional wash output ranging from punchy tight 4.5° to smooth 55°.

Custom interchangeable frost filters with three grades (light, medium and heavy) for extremely gentle soft touch. CMY + CTO colour mixing filters for the unprecedented BMFL quality of colour transitions and two color wheels with 6 colours each, one with custom replaceable "SLOT&LOCK" positions. Advanced DMX controllable edge aberration correction for smoother hues and seamless coverage.

The Optional XF module expands the features of the BMFL™ Wash with innovative internal Scrim having a graduated filter, which can be inserted to the light path and allowing rotation of the whole assembly +/- 180° to achieve even wash coverage when projecting onto a non-perpendicular surface and internal motorised barndoors for creating different unique shapes and chases which also simulate barndoor effects. The barndoor module consists of four individually controllable blades and is rotatable by +/- 90°.

- **Light source**

Osram Lok-it! HTI 1700/PS

Light output

38.000 lm at 1.700 W

- **Zoom range**

4.5°-55°

- **Effects**

Beam Shaper module, Scrim Module

technical

specification

- **Source**

- Lamp: Compact short-arc metal halide lamp
- Base: PGJX28
- Approved model: Osram Lok-it! HTI 1700/PS
- Lifetime: 750 hours @ 1.700 W / 1.500 W / Quiet mode
- CRI 90, Colour Temperature 6.000 K
- Control: Automatic and remote on/off
- Ballast: Electronic

- **Optical System**

1. Dichroic glass reflector for maximising the light efficiency
2. 12:1 Zoom optical system
3. Beam angle: Zoom range 4.5°-55°
4. Output Lens diameter: 200 mm
5. Fixture total lumen output

- - 38.000 lm at 1.700 W
 - 32.680 lm at 1.500 W
 - 27.630 lm at 1.200 W (Quiet mode)

- 125.000 lx @ 5 m, 1250 lx @ 50 m

• Electromechanical Effects

- Cyan: 0-100 %
- Magenta: 0-100 %
- Yellow: 0-100 %
- Variable CTO: 2.700-6.000 K
- Colour wheel 1 with 6 fixed dichroic colours: deep red, deep blue, orange, green, magenta, congo blue + white
- Colour wheel 2 with 6 replaceable "SLOT&LOCK" dichroic colours: pink, lavender, laser green, 9.000 K CTB, minus half and minus green + white
- Frost: Interchangeable - light, medium (standard), heavy
- Dimmer: Optimized dual blade system for exceptional smooth dimming
- Shutter: Separate dual blade system, Variable strobe effect up to 10 Hz, full black out
- Motorized zoom
- Edge colour correction
- Pan: 540°
- Tilt: 270°
- EMS™: Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement or vibration (Patent pending)

• Control and Programming

1. Setting & Addressing: ROBE Navigation System 2 (RNS2)
 2. Protocols: USITT DMX-512, RDM, Art-Net, MA Net, MA Net2, sACN
 3. Wireless CRMX™ technology from Lumen Radio (on request)
 4. Protocol modes
 - BMFL™ Wash: 2 DMX Modes
 - BMFL™ Wash XF: 2 DMX Modes
- Control channels
 - BMFL™ Wash: 25, 21
 - BMFL™ Wash XF: 34, 30
 - 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: 16 bit
 - Movement control: Tracking and vector
 - CMY & CTO: 8 bit
 - Colour wheel positioning: 8 or 16 bit
 - Frost: 8 bit
 - Zoom: 8 bit

- Edge colour correction: 8 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

• Thermal

- Maximum ambient temperature: 50 °C (122 °F)
- Maximum surface temperature: 100 °C (212 °F)

• Electrical Specification

- Power supply: Electronic auto-ranging
- Input voltage range: 200-240 V, 50/60 Hz
- Power consumption: 2.000 W at 230 V / 50 Hz

**• Mechanical Specification**

- Height: 826 mm (32.5") – head in vertical position
- Width: 483 mm (19")
- Depth: 335 mm (13.2")
- Weight: 35 kg (77.2 lbs)
- Fixation option: Pan/Tilt-lock mechanism

• Rigging

- Mounting points: 5 pairs of ¼-turn locks
- Universal operating position
- 3 mounting positions: 0°, 32° and 90°
- 2x Omega brackets with ¼-turn quick locks

• Optional XF Module contains

- Beam Shaper (Internal barndoors): individual position control of 4 “doors”, +/- 90° module rotation (Patent pending)
- Scrim module: Graduated filter position control, +/- 180° module rotation (Patent pending)

