

# 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°.



Osram Lok-it! HTI 1700/PS



38.000 lm at 1.700 W



4.5° - 55°



Beam Shaper module, Scrim Module

# Technical Specification

## SOURCE

- Light source type: 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: CRI 92+
- Colour temperature: 6.000K
- Control: Automatic and remote on/off
- Ballast: Electronic

## OPTICAL SYSTEM

1. Robe's proprietary optical design
  2. High - efficiency zoom optical system, ratio 12:1
  3. Zoom range: 4,5° - 55°
  4. Output Lens diameter: 200 mm
  5. Dichroic glass reflector for maximising the light efficiency
  6. High efficient component optics
  7. 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)
- Light output: 125.000 lx @ 5 m, 1250 lx @ 50 m

## DYNAMIC 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, 9000 K CTB, minus half and minus green + white
- Internal barndoors: individual position control of 4 "doors", +/- 90° module rotation (Patent pending)
- Frost: Interchangeable - light, medium (standard), heavy
- Motorized zoom
- Edge colour correction
- Scrim: Graduated filter position control, +/- 180° module rotation (Patent pending)
- Shutter: Separate dual blade system, Variable strobe effect up to 10 Hz, full black out
- Dimmer: Optimized dual blade system for exceptional smooth dimming

## CONTROL AND PROGRAMMING

1. Setting & Addressing: ROBE Navigation System 2 (RNS2)
2. Display: QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation

memory service log with RTC, stand-alone operation with 3 editable programs (each up to 100 steps), built-in analyser for easy fault finding

3. Protocols: USITT DMX-512, RDM, Art-Net, MA Net, MA Net2, sACN
4. Web server
5. Wireless CRMX™ technology from Lumen Radio
6. Protocol modes

- BMFL™ Wash: 2 DMX Modes
- BMFL™ Wash XF: 2 DMX Modes

- Control channels
  - BMFL™ Wash: 25, 21
  - BMFL™ Wash XF: 34, 30

- Pan/Tilt resolution: 16 bit
- CMY & CTO: 8 bit
- Colour wheel positioning: 8 or 16 bit
- Internal barndoor module movement & rotation: 8 bit
- Scrim: 8 bit
- Frost: 8 bit
- Zoom: 8 bit
- Edge colour correction: 8 bit
- Dimmer: 8 or 16 bit

## **THERMAL**

- Maximum ambient temperature: 50 °C (122 °F)
- Maximum surface temperature: 100 °C (212 °F)
- Minimum operating temperature: -5 °C (23 °F)

## **ELECTRICAL SPECIFICATION AND CONNECTIONS**

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

Power in connector: Neutrik powerCON

DMX and RDM data in/out: Locking 3-pin & 5-pin XLR

Ethernet port in: RJ45

## 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)

## RIGGING

1. Mounting positions: 0°, 32°, 90°
2. Universal operating position
3. Mounting points: 5 pairs of 1/4-turn locking points
4. 2x Omega adaptors with 1/4-turn quick locks

Safety cable attachment point

Pan and Tilt transport locks

## OPTIONAL XF MODULE CONTAINS

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

## ACCESSORIES

- Lamp Osram Lok-it HTI 1700/PS: 14080049
- Module XF for Robin BMFL Wash: 10980266
- Doughty Trigger Clamp : 17030386
- Safety wire 50 kg: 99011957
- Single Top Loader Case: 10120163-02
- Dual Top Loader Case: 10120164-02
- Foam Shell: 20020218-01

## MOVEMENT

1. Pan movement: 540°
2. Tilt movement: 270°

Movement control: Standard and Speed

Controllable speed of Pan/Tilt movement

- EMS<sup>™</sup>: Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement or vibration (Patent pending)
- Automatic Pan/Tilt position correction

## **APPROVALS**

- cETLus Compliant
- CE Compliant

## **INCLUDED ITEMS**

- User Manual
- Omega Adaptor CL-regular 2 pcs
- Power cord including powerCON In connector

## **LEGAL**

- BMFL<sup>™</sup> is a trademark of Robe lighting s.r.o.
- BMFL<sup>™</sup> Wash / Wash XF is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patent