

B M A L™

BRIGHT MULTIFUNCTIONAL LUMINAIRE

Wash / WashXF

ROBE®



YOU ASKED, WE LISTENED

The **BMFL™ Wash** continues Robe's highly successful 'BMFL' philosophy. This, the third moving light in the BMFL range builds on the spectacular success of the BMFL Spot and BMFL Blade by introducing another new, unique high-powered precision fixture designed from the ground up to provide the ultimate performance, power, flexibility and reliability. It is a big, highly impressive light source designed for use in television studios, theatres and other performing arts venues. BMFL Wash uses a brand new lamp from Osram, specifically designed for Robe. The lamp can be operated at 1.700 W, 1.500 W or 1.200 Watts (aka Silent Mode) without affecting it's rated life of 750 hours.

BMFL Wash utilizes a large 8 inch classis Fresnel front lens for maximum efficiency. The stunning 12 to 1 zoom system ranges from a punchy 4.5 degrees to a smooth 55 degrees. Custom interchangeable frost filters with three grades (light, medium and heavy) may also be accessed for further beam modification. Due to the fixture's relatively small size and weight – just 78 lbs. – BMFL Wash is the perfect choice for events such as concert touring, exhibitions and corporate functions and suitable to permanently installed in a wide variety of venues.

We kept hearing about the desire to produce both delicate pastels as well as rich-saturated colors... and that's exactly what the BMFL Wash will deliver as it shares the identical color system as the BMFL Spot and BMFL Blade - fixtures that are generally regarded by many lighting professionals to have the best CMY + CTO color mixing currently on the market. Additionally there are two color wheels with 6 colors each, one with replaceable "SLOT&LOCK" positions.

Equally highly regarded is the BMFL Spot and Blade dimming system, which provides exceptional dimming from 100% to 0.1% intensity while maintaining uniform beam field integrity. Of course this is now included within the BMFL Wash too!

The EMS™ – Electronic Motion Stabilizer – is a one of the newest Robe innovations and is standard across the entire BMFL range. EMS reduces deviations in the beam caused by movement or vibration of the truss, set or room. The projected beam or image stays exactly where you put it!

The optional XF module expands the feature set of the BMFL Wash with innovative internal scrim and bamdoors. The scrim is a graduated filter, which can be inserted into the light path. The scrim assembly can be rotated +/- 180 degrees in order to achieve an even wash coverage when projecting onto a non-perpendicular surfaces. The bamdoor module consists of four individually controllable blades for creating different and unique shapes and programmed for shape chase sequences. The bamdoor module can be rotated +/- 90 degrees to insure accurate framing of objects, scenery or performers.

Robe's BMFL range was developed over three years, listening to numerous wishes and requests from clients across the globe. Testament to the thoroughness and detail of that process is the already incredible success worldwide with the BMFL Spot, which has been used and is being specified on a wide range of truly world-class events in all sectors of the industry. From big rock shows to eye-popping architectural illuminations; from high profile arts and cultural shows to the coolest clubs and dance events and from top rated TV productions to spectacular special events... Robe's BMFL is proving – time and again – to be the 'game-changer' that we promised!

Josef Valchar
General Manager, CEO

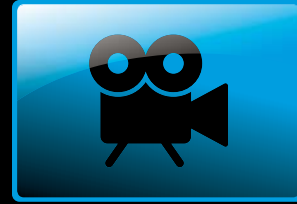
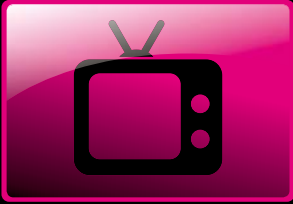
ROBE®

BROADCAST

THEATRE

FILM

LIVE



GAME CHANGER



BMFL™ - Wash is the ultimate fresnel based 1.700W lamp based wash light with large 200mm 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 color mixing filters for the unprecedented BMFL quality of color transitions and two color wheels with 6 colors 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 plus/minus 180° to achieve even wash coverage when projecting onto a non-perpendicular surface and internal motorised barndoors for creating different Unixe shapes and chases which also simulates barndoor effects. The barndoor module consists of four individually controllable blues and is rotatable by 180 degrees.



Source

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

Optical System

- Fixture total lumen output:
 - 38.000 lm at 1.700W
 - 32.680 lm at 1.500W
 - 27.630 lm at 1.200 W (quiet mode)
- Dichroic glass reflector for maximising the light efficiency
- 12:1 Zoom optical system
- Beam angle: Zoom range 4.5° – 55°
- Output Lens diameter: 200 mm

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

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

Control and Programming

- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Protocols: USITT DMX-512, RDM, Art-Net, MA Net, MA Net2, sACN
- Wireless CRMX™ technology from Lumen Radio (on request)
- Protocol modes: BMFL Wash - 2 DMX
BMFL Wash XF - 2 DMX
- 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
- Built-in analyser for easy fault finding

Thermal

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

Electromechanical Effects

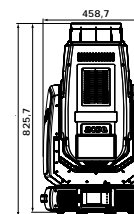
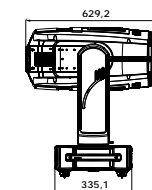
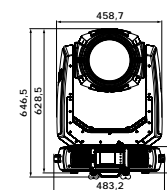
- Cyan: 0–100 %
- Magenta: 0–100 %
- Yellow: 0–100 %
- Variable CTO: 2.700–6.000K
- Colour wheel 1 with 6 fixed dichroic colours: deep red, deep blue, orange, green, magenta, congo blue + white
- Colour wheel 2 with 6 replaceable „SLOT&LOCK“ dichroic colours: pink, lavender, laser green, 9000 K CTB, 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 Stabiliser system for reducing beam deviation caused by truss movement or vibration (Patent pending)

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

- 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)

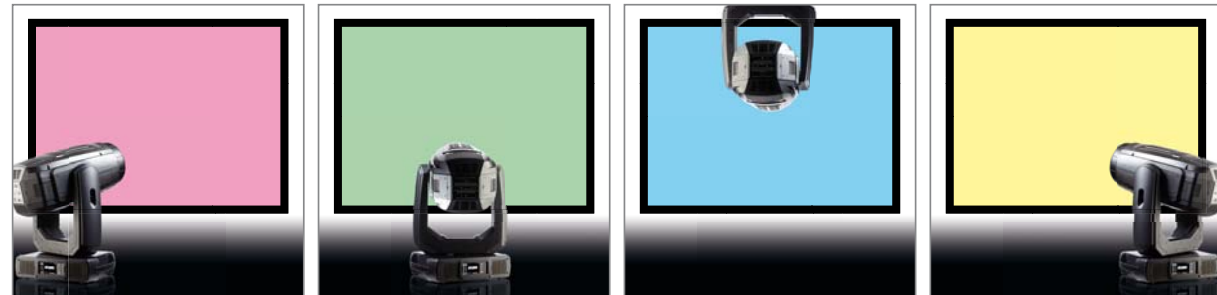




Internal Scrim module

BMFL™ Wash features an innovative internal Scrim with a graduated filter, which can be inserted into the light path and allows rotation of the whole assembly plus/minus 130° to achieve even wash coverage when projecting onto a non-perpendicular surface.

No matter where the fixture is placed - the floor, truss or on its side, the scrim allows the user to achieve an even projection on screen from any angle.



Colour Wheel 1



Colour Wheel 2

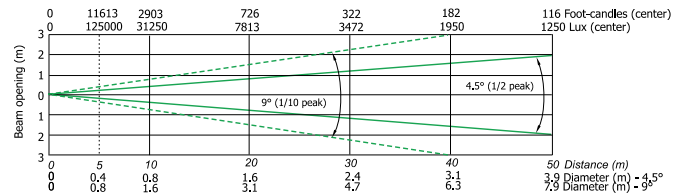


Barndoor shapes and effects

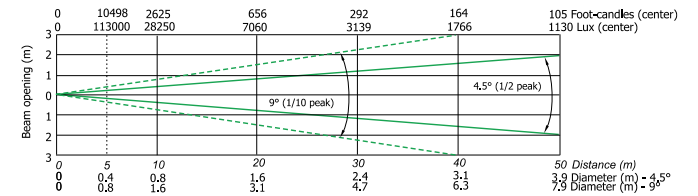


Min. Zoom

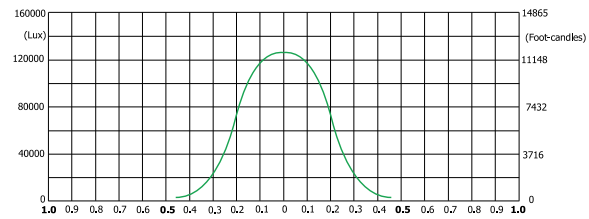
Lamp power = 1700W, Total output = 19.760 lm



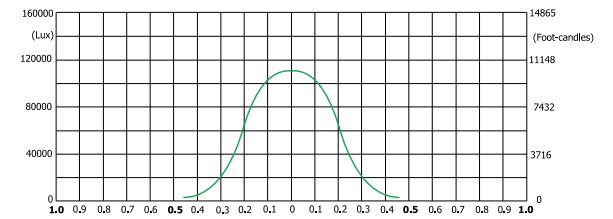
Lamp power = 1500W, Total output = 17.100 lm



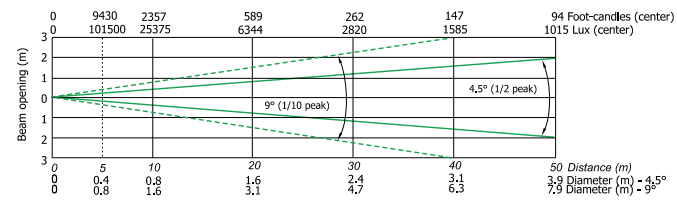
Illuminance distribution
Distance=5m



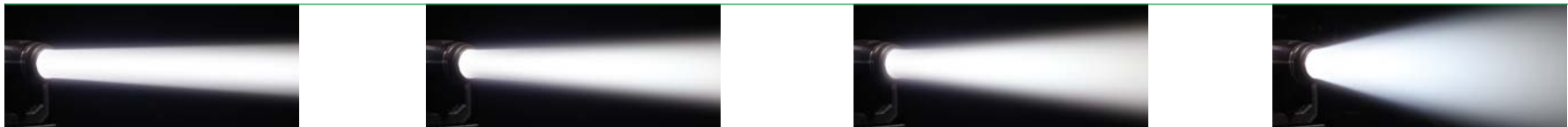
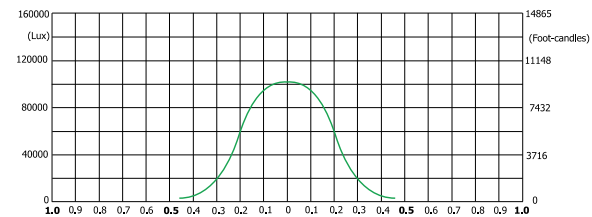
Illuminance distribution
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Lamp power = Quiet mode, Total output = 14.300 lm

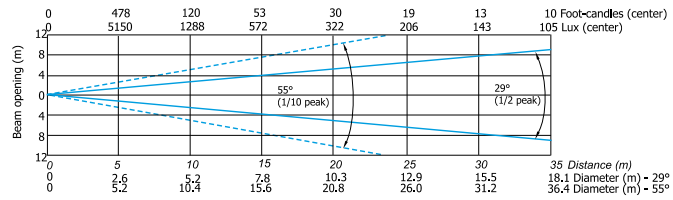


Illuminance distribution
Distance=5m

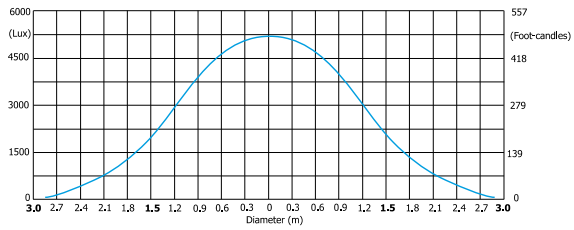


Max. Zoom

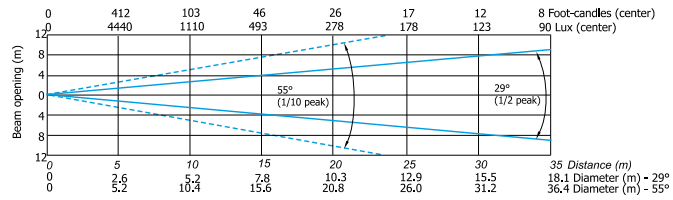
Lamp power = 1700W, Total output = 38.000 lm



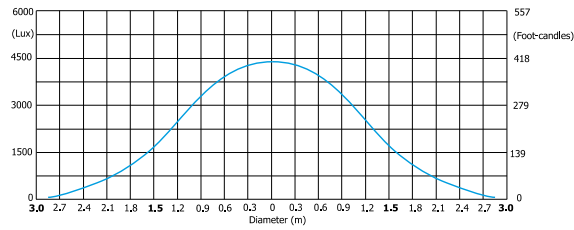
Illuminance distribution
Distance=5m



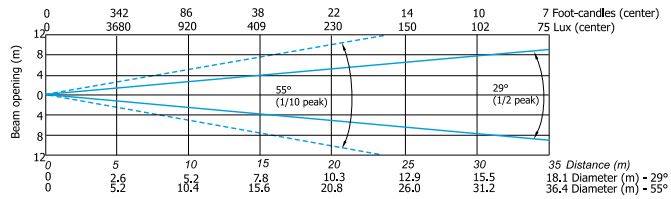
Lamp power = 1500W, Total output = 32.680 lm



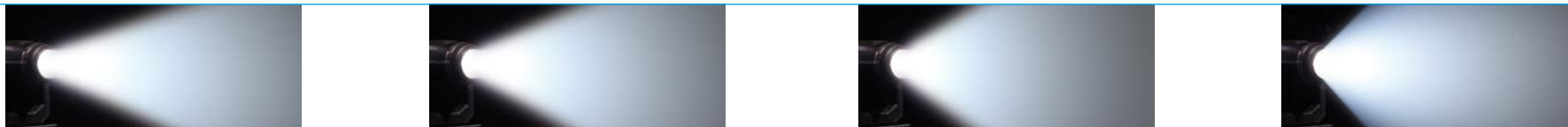
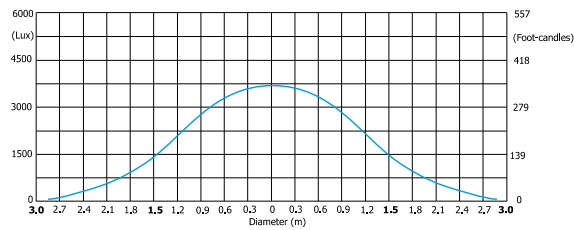
Illuminance distribution
Distance=5m



Lamp power = Quiet mode, Total output = 27.630 lm



Illuminance distribution
Distance=5m





HEAD POSITION



Packaging

The BMFL™ Wash is supplied in a cardboard box or in two different types of custom flight cases – Single Top Loader Case or Dual Top Loader Case. Both cases are equipped with a specially designed soft rubber insert for maximum protection of the light during transport and handling.

Cardboard for ROBIN BMFL™ Wash



630 x 630 x 1100 mm
(24.8" x 24.8" x 43.3")

Single Top Loader Case for ROBIN BMFL™ Wash



600 x 720 x 860 mm
(23.6" x 28.4" x 33.9")

Dual Top Loader Case for ROBIN BMFL™ Wash



1450 x 600 x 860 mm
(57.1" x 23.6" x 33.9")



REFERENCES



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BMFL™

— YOU ASKED, WE DELIVERED —

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Wash / Wash XF

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