

B M A L™

BRIGHT MULTIFUNCTIONAL LUMINAIRE

WashBeam

ROBE®



YOU ASKED, WE LISTENED

The highly successful **BMFL™** story continues! The new member in the BMFL family - the BMFL WashBeam now introduces a brighter fixture – the brightest just got even brighter. With a bigger lens, increased power and more features it is a highly impressive light source designed for use in television studios, theatres and other performing arts venues. BMFL WashBeam uses a lamp from Osram, specifically designed for Robe. The lamp can be operated at 1.700 W, 1.500 W or 1.200 Watts (Quiet Mode) without affecting its rated life of 750 hours.

BMFL WashBeam utilises a large 180 mm front lens for maximum efficiency and with an output of 300.000 lux at 5 metres. The stunning 9 to 1 zoom system ranges from a punchy 5 degrees to a smooth 45 degrees. Three individual frost filters are available with three grades (light, medium and replaceable heavy) providing an intense wash with a narrow soft-edge beam or a wide even flood. Due to the fixture's relatively small size and weight – just 38.4 kg (78 lbs.) - BMFL WashBeam is the perfect choice for events such as concert touring, exhibitions and corporate functions and is suitable for permanent installation in a wide variety of venues.

We kept hearing about the desire to produce both delicate pastels as well as rich-saturated colours... and that's exactly what the BMFL WashBeam delivers as it shares the identical colour system found in all of the BMFL range - fixtures that are generally regarded by many lighting professionals to have the best CMY + CTO colour mixing currently on the market. Additionally there are two colour wheels with 6 colours each, one with replaceable "SLOT&LOCK" positions.

The carefully selected gobos on rotating gobo wheel ensure many in air visual creations, but also great breakup surface projections. The cascading animation wheel adds spectacular ripple and other effects both alone or in conjunction with gobos.

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.

Equally highly regarded is the BMFL range dimming system, which provides exceptional dimming from 100% to 0.1% intensity while maintaining uniform beam field integrity. A feature also included in the BMFL WashBeam!

The EMS™ – Electronic Motion Stabilizer – is 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!

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 it would be!

Josef Valchar
General Manager, CEO

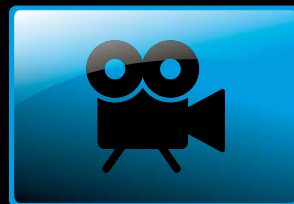
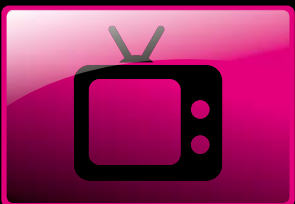
ROBE®

BROADCAST

THEATRE

FILM

LIVE



GAME CHANGER



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 180mm 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 filters 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 @ 1.700W / 1.500W / 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 1.700W
 - 38.130 lm at 1.500W
 - 33.620 lm at quiet mode
- 300.000 lux @ 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

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

Mechanical Specification

- Height: 826 mm (32.3") – 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

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

Thermal

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

Electromechanical Effects

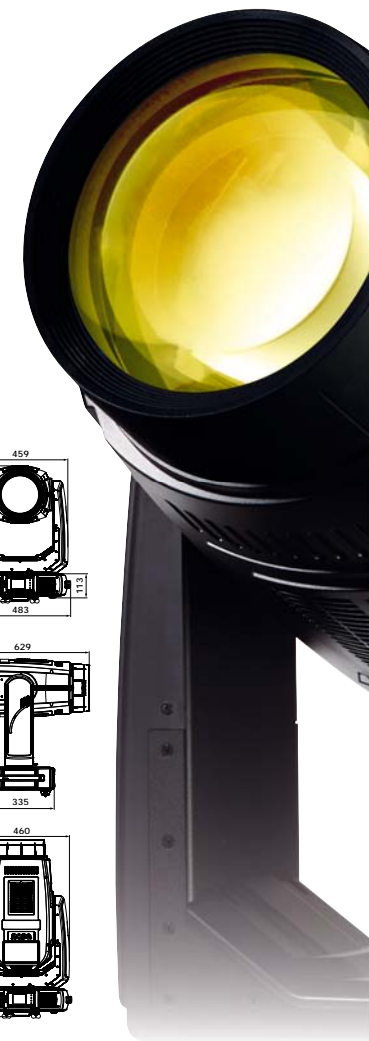
- Cyan: 0–100 %
- Magenta: 0–100 %
- Yellow: 0–100 %
- Variable CTO: 2.700–6.000K
- Colour wheel 1: 6 fixed dichroic colours: deep red, deep blue, orange, green, magenta, congo blue + white
- Colour wheel 2: 6 replaceable "SLOT&LOCK" dichroic colours: pink, lavender, laser green, 9.000 K CTB, minus half 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
- Motorized zoom and focus
- Pan: 540 °
- Tilt: 270 °
- EMS™: 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, ArtNet, MA Net, MA Net2, sACN
- Wireless CRMX™ technology from Lumen Radio (on request)
- Control channels: 48, 41
- 2 DMX protocol modes
- 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
- 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

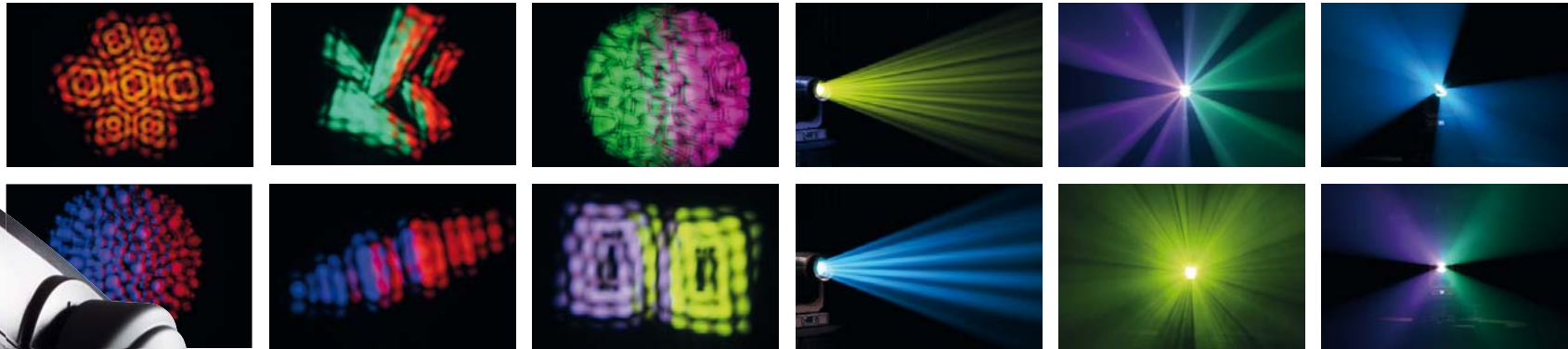
Rigging

- 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 locks



Impressive Aerial and Graphic Effects

BMLF WashBeam will excite you with the numerous possibilities for animations and mid – air effects thanks to rotating gobo wheel each with 6 carefully selected gobos with combination of animation wheel or Framing Shutters Module. BMFL WashBeam offers variable frost filters (Light, Medium and replaceable Heavy – with two other frosts included). With the addition of the light frost filter you can enhance the projection by smooth touch on the beams angle.

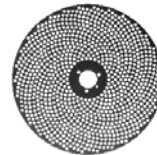


Rotating Gobo Wheel

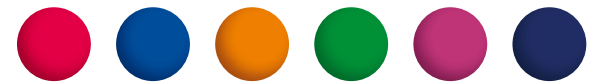


Animation Wheel

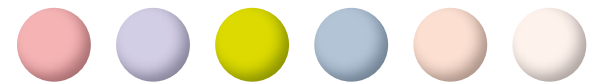
The new aluminium animation wheel (ø 110 mm) can be used alone or in combination with gobos.



Colour Wheel 1

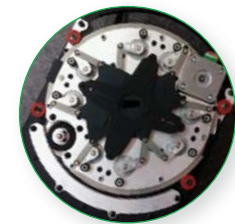


Colour Wheel 2



Framing Shutters Module

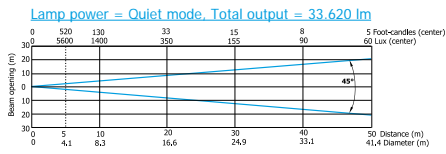
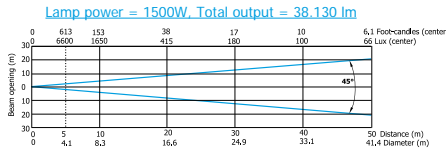
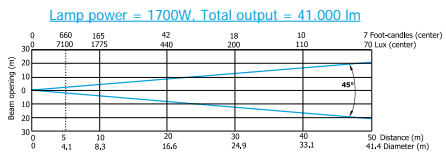
Four fast, smooth moving, shutter blades are individually angled and positioned within a frame, which itself can rotate through 90 degrees. As well as providing a sharp or soft, precisely repeatable, frame for the projected image, the system produces a new series of fast moving in-air effects through pre-programmed blade shape and movement sequences. (Patent pending).



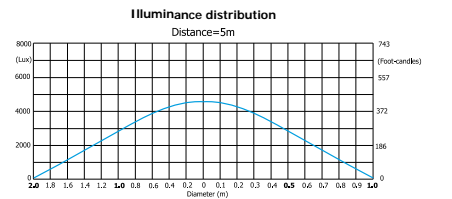
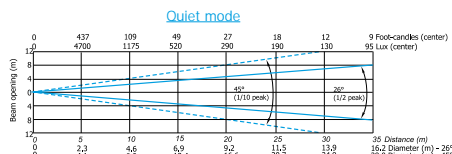
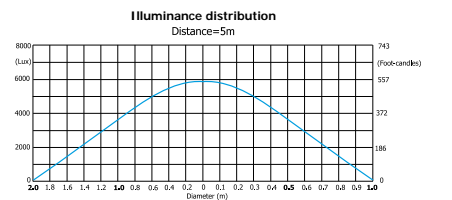
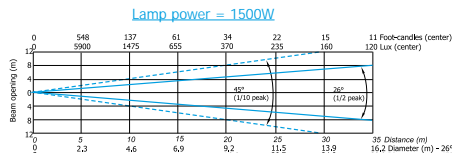
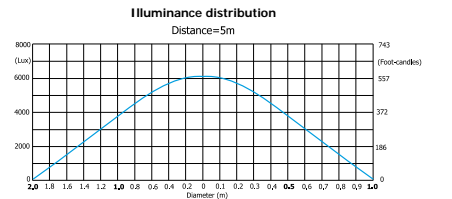
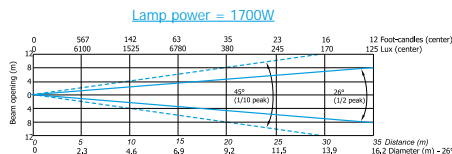
EFFECTS

Impressive Aerial and Graphic Effects

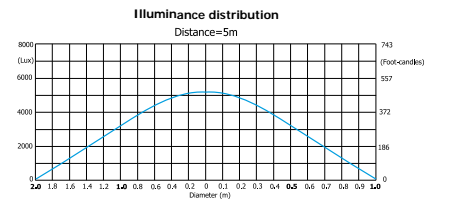
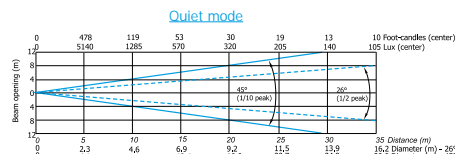
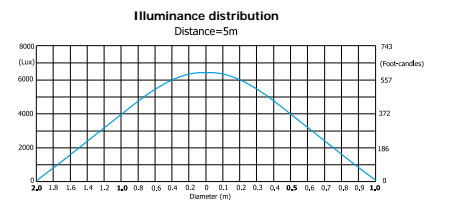
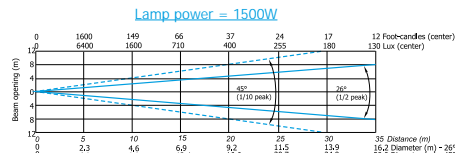
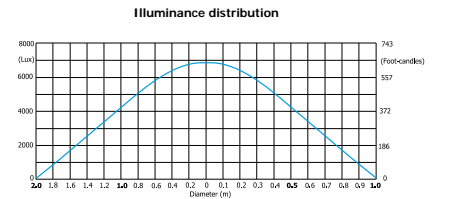
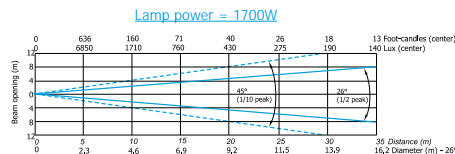
Max. Zoom



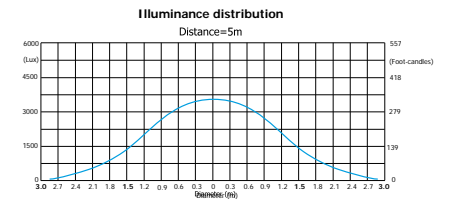
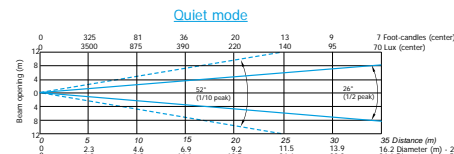
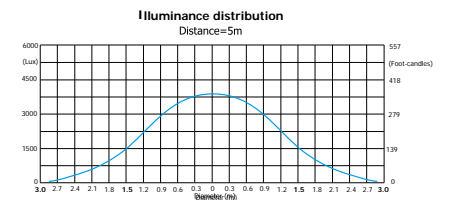
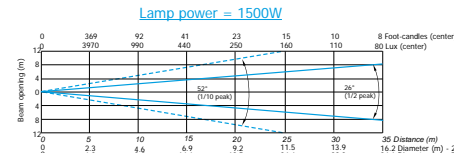
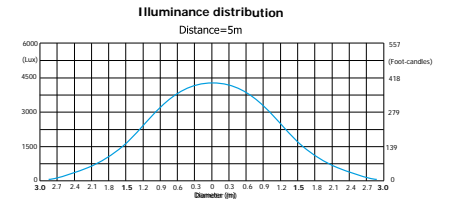
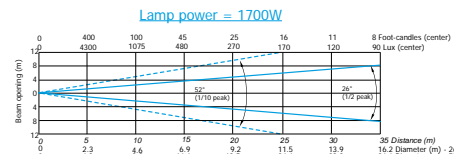
Max. Zoom with Light Frost



Max. Zoom with Medium Frost



Max. Zoom with Heavy Frost 20° (standard)





HEAD POSITION



Packaging

The BMFL™ WashBeam 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™ WashBeam



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

Single Top Loader Case for ROBIN BMFL™ WashBeam



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

Dual Top Loader Case for ROBIN BMFL™ WashBeam



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



REFERENCES



— YOU ASKED, WE DELIVERED —

BMFL™

B M A L™

WashBeam



www.robe.cz

ROBE®

Head office: ROBE lighting s. r. o. | Hážovice 2090 | 756 61 Rožnov pod Radhoštěm | Czech Republic | Tel.: +420 571 751 500 | Fax: +420 571 751 515 | E-mail: robe@robe.cz | **Factory:** ROBE lighting s. r. o. | Palackého 416 | 757 01 Valašské Meziříčí | Czech Republic | Tel.: +420 571 751 500 | Fax: +420 571 751 515 | E-mail: robe@robe.cz | **UK:** ROBE UK Ltd. | Northampton | United Kingdom | Tel.: 01604 741000 | E-mail: info@robeuk.com | **France:** ROBE Lighting France SAS | ZI Paris Nord 2 | Batiment Euler | 33, rue des Vanesses | 93420 Villepinte | Tel.: +33 1 48 63 84 81 | Fax: +33 1 48 63 84 87 | E-mail: info@robelighting.fr | **America:** ROBE Lighting Inc. | 12349 SW 53rd Street, Suite 202 | Cooper City | Florida | USA | Tel.: +1 954 680 1901 | E-mail: info@robelighting.com | **Asia and Pacific:** Robe Lighting Asia Pacific Pte. Ltd. | 12 New Industrial Road | #02-05 Morningstar Centre | S-536202 | Singapore | Tel.: +65 6280 8558 | E-mail: sales@robeap.com | **Middle East:** Robe Middle East trading LLC | Office Nbr 507 5th floor | Al Asmawi Building DIP 1 | Dubai | UAE | Po Box: 391 898 | Tel.: +971 4 885 3223 | E-mail: info@robe-me.com | **Russia and CIS:** Taganskaya str. 26 -1 - 72 | 109004 Moscow | Russia | Tel.: +7 495 504 9569 | E-mail: info@roberussia.com | **Central and South America:** Galicia 1198 ap 303 | 1100 Montevideo | Uruguay | Tel.: +5982 900 67 47 | E-mail: info@robecea.com

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