

# BMFL™ FollowSpot

Created specifically for follow-spot operation, this custom modified version of BMFL comes with specific features to provide both motorised movement and manual operation with follow-spot handles. Based on the powerful BMFL WashBeam it blasts beams of extra bright output and has an abundance of great features.

**Light source**

1700 W OSRAM Lok-it! HTI 1700/PS

**Light output**

39.770 lm, 251.000 lx @ 5 m, 2.500 lx @ 50 m

**Zoom range**

5° - 45°

**Effects**

CMY, 2 Colour wheels, Frost, Iris



The BMFL FollowSpot takes advantage of its wide 160 mm front lens and a high CRI 1700W lamp. With a custom light source designed for Robe it produces an astounding 251.000 lux at 5 metres and has a wide zoom range of 5° to 45° with precise focusing. Manually or remotely controllable features include smooth color mixing and CTO flags, two color wheels, multiple variable frost filters, focus, zoom and quick pulsing iris. Follow-spot operation can be extended by using LightMaster handles - an optional accessory.

The BMFL FollowSpot is pre-wired for installation of the digital camera on the head and is connected with the new RoboSpot base station for off-stage follow-spot operation...

# 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 @ 1700 W / 1500 W / Quiet mode
- CRI: CRI 92+
- Colour temperature: 6.000K
- Control: Automatic and remote on/off
- Ballast: Electronic

## Optical system

- Robe's proprietary optical design
- High - efficiency zoom optical system, ratio 9:1
- Zoom range: 5° - 45°
- Output lens diameter: 160 mm
- Dichroic glass reflector for maximising the light efficiency
- High efficient component optics
- Fixture total lumen output:
  - 39.770 lm @ 1700 W
  - 36.985 lm @ 1500 W
  - 32.610 lm @ 1200 W (Quiet mode)
- Light output: 251.000 lx @ 5 m

## Dynamic Effects and Features

- 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
- Iris: Motorized, stepless, pulse effects up to 3 Hz
- Frost: Variable Light, Medium plus replaceable Heavy (two another frosts included)
- Motorized zoom and focus
- 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

- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- 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
- Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN
- REAP™ - Robe Ethernet Access Portal
- Wireless CRMX™ technology from Lumen Radio - on request
- DMX Protocol modes: 2
- Control channels: 33, 27
- Pan & Tilt resolution: 16 bit
- CMY & CTO: 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

## **Movement**

- Pan movement: 540°
- Tilt movement: 270°
- Movement control: Standard and Speed
- Controllable speed of Pan & Tilt movement
- EMS™: Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement or vibration (Patented)
- Automatic Pan & Tilt position correction

## **Thermal specification**

- Maximum ambient temperature: 45°C (113°F)
- Maximum surface temperature: 170°C (338°F)
- Minimum operating temperature: -5°C (23°F)
- Total heat dissipation: max. 5800 BTU/h (calculated)

## **Electrical specification and connections**

- Power supply: Electronic auto-ranging
- Input voltage range: 200-240 V, 50/60 Hz
- Power consumption: 2000 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

## **Approvals**

- cETLus Compliant
- CE Compliant

## **Mechanical specification**

- Height: 813 mm (32.0") - Head in vertical position
- Width: 483 mm (19.0")
- Depth: 335 mm (13.2")
- Weight: 35 kg (77.2 lbs)
- Ingress protection rating: IP20

## Rigging

- Mounting positions: 0°, 32°, 90°
- Universal operating position
- Mounting points: 5 pairs of 1/4-turn locks
- 2x Omega adaptors with 1/4-turn quick locks
- Safety cable attachment point
- Pan & Tilt transport locks

## Included items

- User Manual
- Omega Adaptor CL-regular 2 pcs
- Power cord including powerCON In connector
- Frost filter set: 15050007

## Optional accessories

- Lamp Osram Lok-it HTI 1700/PS: 14080049
- BMFL Handles 2 pcs: 10980233
- BMFL Side Handle: 10980396
- RoboSpot Camera: 100080311
- Doughty Trigger Clamp: 17030386
- Safety wire 50 kg: 99011957
- Single Top Loader Case: 10120226
- Dual Top Loader Case: 10120227

## Legal

- BMFL™ is a trademark of Robe lighting s.r.o.
- BMFL™ FollowSpot is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patent