

# 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.

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...

**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

# 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

1. Robe's proprietary optical design
2. High - efficiency zoom optical system, ratio 9:1
3. Zoom range: 5° - 45°
4. Output lens diameter: 160 mm
5. Dichroic glass reflector for maximising the light efficiency
6. High efficient component optics
7. 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

- 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

- Web server
- Wireless CRMX™ technology from Lumen Radio (on request)
- DMX Protocol modes: 2
- Control channels: 32, 26
- 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 (Patent pending)
- 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)

## **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)

## **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 and Tilt transport locks

## **INCLUDED ITEMS**

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

## **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