

IP 420 Beam

Model: **BMS-IP420BEAM** · Moving Head Beam · Rev. 2026-10

OPTICAL SYSTEM

Light Source	High-brightness 420W imported bulb
Average Lamp Life	2,000 hours
Beam Angle	2°
Lens Aperture	165mm

DYNAMIC EFFECTS

Colour Wheel	14 colors + white, color flow, bi-direction rainbow effect can be achieved
Fixed Gobo Wheel	17 gobos + white
Prism	8-facet prism and 24-facet prism, can be overlapped, can be rotated bidirectional
Dimmer	Mechanical linear dimming 0–100%
Strobe	Fast stroboscopic, multiple stroboscopic options, slow-medium-fast pulse, gradual full-medium-fast, random slow-medium-fast

MOVEMENT

Pan	540°, accuracy 2.11°/ step, fine tuning accuracy 0.008°
Tilt	240°, accuracy 1.05°/ step, fine tuning accuracy 0.004° (Magnetic encoder position with auto-correction for misalignment)

CONTROL

DMX Channels	16 Channels
Protocol	DMX512

POWER

Power Input	AC100-240V, 50/60Hz
Power Consumption	600W
Power Connection	Waterproof cable input/output
Signal Connection	Waterproof 3-pin XLR input/output

CONSTRUCTION

Housing Material	Outdoor-grade engineering plastic
Housing Colour	Black
IP Rating	IP65
Operating Temperature	-20 °C to 40 °C
Cooling	Fans



KEY FEATURES

- High-output professional light engine
- Precision optics for bright, uniform output
- Smooth dimming and multi-mode strobe effects
- DMX512 / RDM control with LCD display
- Rugged black housing optimized for touring

TYPICAL APPLICATIONS

Outdoor festivals · Theme parks · Architectural lighting · Sports venues · Touring

Specifications are subject to change without prior notice. Values above are taken from the current production datasheet for BMS-IP420BEAM. Photometric (IES/LDT) files, packaging dimensions and OEM/ODM options are available on request.