

B450-IP

Waterproof Beam Light
(450W, IP66)



OVERVIEW

The VAL Lighting B450-IP is a professional 450W waterproof moving head beam light designed for large-scale outdoor and indoor applications. Powered by the USHIO NSL450A lamp, it delivers a razor-sharp 1.8° ultra-narrow beam with exceptional brightness and clarity. Its IP66-rated housing ensures uncompromised performance in rain, dust, and harsh environments, making it ideal for concerts, festivals, stadiums, architectural lighting, and outdoor events. With dual prism discs, vibrant color mixing, smooth dimming, and intelligent positioning correction, the B450-IP offers lighting designers maximum creativity and reliability in every show.

VAL lighting

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KEY FEATURES

- **High-Intensity Beam** – 450W USHIO NSL450A lamp with 7500K color temperature and long 6000h lifespan.
- **Ultra-Narrow Beam** – 1.8° aperture for sharp, focused aerial effects.
- **Advanced Optics** – Precision optical system with electronic focus for smooth adjustment.
- **Dynamic Color Effects** – 14 colors + white, half-color mixing, rainbow bi-directional effects.
- **Creative Gobo Projection** – 15 fixed gobos + white, with jitter and positioning functions.
- **Powerful Prism Effects** – Dual prisms (8-facet & 48-facet) stackable for complex aerial designs.
- **Smooth Operation** – 0–100% linear dimming, uniform frost, 16-bit pan/tilt control.
- **Rugged & Weatherproof** – IP66 die-cast housing built for outdoor use.
- **Intelligent Design** – Auto position correction, DMX/RDM compatibility, software upgrade via DMX.
- **User-Friendly Control** – LCD touch display, multi-language interface, easy address setup.

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SPECIFICATIONS

Model	VAL Lighting B450-IP
Power & Source	Power Supply: AC100–240V, 50/60Hz Power Consumption: 550W Light Source: USHIO NSL450A 450W Bulb Color Temperature: 7500K Lamp Life: ≥6000h
Optical System	Beam Angle: 1.8° Lens: High-precision glass optical system Focus: Electronic focus, smooth adjustment
Color System	Color Wheel: 14 colors + white Effects: Half-color mixing, rainbow effect, bi-directional rotation
Gobo System	Fixed Gobo Wheel: 15 gobos + white Effects: Pattern jitter & positioning
Prism System	2 Prism Discs: 8-facet prism + 48-facet prism Rotation: Bi-directional, variable speed Stacking: Supports stacked prism effects
Effects	Frost: 0–100% linear atomization Dimming: 0–100% electronic dimming
Movement	Pan: 540° (16-bit) Tilt: 270° (16-bit) Position Correction: Automatic real-time calibration
Control	Protocol: DMX512 / RDM / Master-Slave / Auto Channels: 13 / 16 Interface: LCD screen with touch button control (EN/CN language) Software: Upgrade via DMX / online IAP
Construction	Housing: Die-cast + Nylon (PA6 + 30GF) Cooling: Intelligent fan cooling Protection: Signal input isolation for stable transmission
Protection	IP Rating: IP20 Working Temperature: -10°C ~ +45°C
Dimensions & Weight	Product Size: 66.7 × 33.6 × 28 cm Net Weight: 25.7 kg