ROBE lighting s .r. o., Hazovice 2090
75661 Roznov pod Radhostem
Czech Republic

Tel: +420-571-751500
Fax: +420-571-751515
Email: info@robe.cz

iBOLT™

The time has come to replace your antiquated discharge sourced outdoor aerial effect luminaires with a new generation Searchlight and Skyflower fixture, to make outdoor lighting statements like never before!

Light source

LSW-5™ 500W White Laser Source

Light output

42.000 lx @ 100 m, 1.100.000 lx @ 20 m, 16.500.000 lx @ 5 m

Zoom range

0.4° - 8.5°

Effects

Frost, Static gobo wheel, Rotating gobo wheel, colour wheel, continual PAN

With incisive solid, flat field beams, shapes and effects, the sky is your canvas. Highly and actively protected to operate in all environments, iBOLT™ projections are visible from kilometres away. Such brilliance demands attention!

Specifically designed to generate incredible power, and be perfectly safe to use, we developed the LSW-5™ engine. Its white 500W Phosphor Laser source produces an incoherent beam with an incredible intensity of 1.100.000 lx @ 20 m (42.000 lx @ 100 m). With such remarkable output, the iBOLT™ ensures ultimate contrast with the night sky for maximum impact.

Harnessing the power to deliver such presence, the large 300mm front lens in combination with the optical chain delivers ultimate, incisive beam definition. iBOLT™ has a zoom ratio of 40:1 with a zoom range of 0.4° - 8.5°, guaranteeing the creation of spell-binding aerial shafts of light.

Maximising colour options, iBOLT™ features a CMY colour mixing system and a colour wheel with 13 dichroic colours and an onboard DataSwatch™ colour library, including the most commonly used whites, you have the tools to cover everything from the dense saturates to the most refined pastel tones.

Far beyond the capabilities of a traditional searchlight, iBOLT™ offers an expansive effects suite, boasting static and rotating gobo wheels along with beam reducers tailored for in-air effects. Particularly remarkable is our proprietary SpektraBeam™ effects engine, a patented innovation that delivers a truly transformative lighting experience.

The inclusion of a CMY + Colour wheel, complemented by the DataSwatch™ library, grants access to an extensive palette of colours limited only by imagination. Within the comprehensive iBOLT™ effects package, you'll find gobo wheels and our patented MLP™ stackable multi-level prisms, which enable independent speed and direction control. Combined with continuous PAN rotation, this unlocks a plethora of effects previously deemed unattainable.

To swirl around the sky, iBOLT™ has a pan movement range of 540° with continuous rotation control. Our MAPS™ Motionless Absolute Positioning System removes the need for pre-use pan and tilt calibration movement, while EMS™ Electronic Motion Stabilizer technology negates fixture hysteresis, removing irritating beam shake often associated with larger fixtures.

For all environment operation, iBOLT™ has the most advanced, patented IP65 protection available. Our RAINS™ Robe Automatic Ingress Protection System not only prevents ingress, it actively manages the fixture's internal microclimate, removing internal moisture build-up automatically. The system even runs an ingenious Self Pressure Test, without specialised tools, to check internal pressure buildup, ensuring maximum protection.

For operation in extreme cold, the iBOLT™ has our innovative POLAR+™ technology. When activated, the POLAR+™ standby mode will automatically maintain an internal temperature level, allowing instant operability down to minus 50 degrees centigrade!

We take safety very seriously with such intense light levels. iBOLT™ has our patented, constantly scanning ScanGuard™ system which instantly reduces fixture output if someone gets within a direct, unsafe viewing distance.

Ideally suited for remote outdoor installations, iBOLT™ uses REAP™ Robe Ethernet Access Portal communication software, viewed as a web browser, giving real-time fixture monitoring of all parameters, including complete RAINS™ status information.

It's time to dominate the sky, with iBOLT™

ROBE lighting s .r. o., Hazovice 2090
75661 Roznov pod Radhostem
Czech Republic

Tel: +420-571-751500
Fax: +420-571-751515
Email: info@robe.cz

Technical Specification

Source

- Light source type: LSW-5™ 500W White Laser Source
- Colour temperature: 10.000 K
- CRI: 70
- Light source type: LSW-5™ 500W White Laser Source
- Colour temperature: 10.000 K
- CRI: 70

Optical system

- Robe's proprietary optical design (Patent pending)
- Zoom optical system: 40:1
- Zoom range: 0.4° - 8.5° hard edge, up to 16° soft edge
- Robe's proprietary optical design (Patent pending)
- Zoom optical system: 40:1
- Zoom range: 0.4° - 8.5° hard edge, up to 16° soft edge

Dynamic Effects and Features

- Cyan: 0 - 100%
- Magenta: 0 - 100%
- Yellow: 0 - 100%
- Cyan: 0 - 100%
- Magenta: 0 - 100%
- Yellow: 0 - 100%

Control and programming

- Setting & Addressing: ROBE Navigation System 3 (RNS3)
- Display: QVGA Robe screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, built-in analyser for easy fault finding, NFC app controller
- Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN
- Setting & Addressing: ROBE Navigation System 3 (RNS3)
- Display: QVGA Robe screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, built-in analyser for easy fault finding, NFC app controller
- Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN

Movement

- Pan movement range 540° with continuous rotation control
- Tilt movement: 265°
- Movement control: Standard and Speed
- Pan movement range 540° with continuous rotation control
- Tilt movement: 265°
- Movement control: Standard and Speed

Rotating gobos

- Glass gobos: 9 rotating gobos + open
- Outside diameter: 15.9 mm
- Image diameter: 12.5 mm
- Glass gobos: 9 rotating gobos + open
- Outside diameter: 15.9 mm
- Image diameter: 12.5 mm

Static gobos

- Aluminium wheel with fixed gobos: 10 gobos & 4 beam reducers + open position
- Aluminium wheel with fixed gobos: 10 gobos & 4 beam reducers + open position

Thermal specification

- Maximum ambient temperature: 50°C (122°F)
- Maximum surface temperature: 100°C (212°F)
- Minimum operating temperature: -50°C (-58°F)
- Maximum ambient temperature: 50°C (122°F)
- Maximum surface temperature: 100°C (212°F)
- Minimum operating temperature: -50°C (-58°F)

Electrical specification and connections

- Power supply: Electronic auto-ranging
- Input voltage range: 100-240 V, 50/60 Hz
- Power consumption: max. 700 W
- Power supply: Electronic auto-ranging
- Input voltage range: 100-240 V, 50/60 Hz
- Power consumption: max. 700 W

Approvals

- CE Compliant
- cETLus Compliant (pending)
- CE Compliant
- cETLus Compliant (pending)

Mechanical specification

- Height: 830 mm (32.7") - Head in vertical position
- Width: 542 mm (21.34") - Head in vertical position
- Depth: 392 mm (15.44")
- Height: 830 mm (32.7") - Head in vertical position
- Width: 542 mm (21.34") - Head in vertical position
- Depth: 392 mm (15.44")

Rigging

- Mounting positions: Horizontally
- Universal operating position
- Mounting points: 2 pairs of 1/4-turn locking points
- Mounting positions: Horizontally
- Universal operating position
- Mounting points: 2 pairs of 1/4-turn locking points

Included items

- User Manual
- Omega Adaptor CL-regular 2 pcs
- Power cord including powerCON TRUE1 In connector:
- User Manual
- Omega Adaptor CL-regular 2 pcs
- Power cord including powerCON TRUE1 In connector:

Optional accessories

- Doughty Trigger Clamp: 17030386
- Safety wire 100 kg: 99011964
- Single Top Loader Case: 10120341-02
- Doughty Trigger Clamp: 17030386
- Safety wire 100 kg: 99011964
- Single Top Loader Case: 10120341-02

ROBE lighting s .r. o., Hazovice 2090
75661 Roznov pod Radhostem
Czech Republic

Tel: +420-571-751500
Fax: +420-571-751515
Email: info@robe.cz

Legal

- iBOLT™ is a Trademark of Robe lighting s. r. o.
- iBOLT™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents
- iBOLT™ is a Trademark of Robe lighting s. r. o.
- iBOLT™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents