

# GigaPointe®

GigaPointe® - where cutting-edge innovation meets breathtaking visual brilliance. This versatile, IP65-rated lighting fixture is engineered for standout performance, delivering extraordinary output, dynamic high-contrast effects, and swift, pinpoint movement that instantly transforms any space into an unforgettable spectacle. Wherever your vision takes you, the GigaPointe® ensures show-stopping impact, anywhere, anytime!



## Light source

LSW-3™ 350W White Laser Source



## Light output

GiGa bright 4.000.000 lx @ 5 m



## Zoom range

1.8° - 21° beam mode, 3° - 42° spot mode



## Effects

CMY mixing, Frost, Rotating and static gobo wheel, Animation wheel, 12 beam and flower effects, Spektrabeam, HotSpot control

Powered by the advanced LSW-3™ engine and a white 350W Phosphor Laser source, the GigaPointe® produces a piercing, ultimate contrast incoherent beam with an intensity of >4.000.000 lx at 5 metres. Expect extreme projection quality and striking visual impact wherever it's deployed.

The 150mm front lens commands attention, while precision optics create flat-field beams, dynamic shapes, and stunning effects. GigaPointe® offers 1.8° - 21° beam and 3 - 42° spot modes, which automatically adjust based on selected effects. Beam reducers and both 1° and 5° frosts provide versatile options, from focused aerial beams to soft washes, enabling you to craft signature lighting statements.

Colour is maximised with a CMY mixing system, a 13-colour dichroic wheel, and the DataSwatch virtual library - 66 pre-programmed colours, including essential whites, rich saturates, and refined pastels. Whether you need bold, dramatic hues or subtle, sophisticated shades, GigaPointe® offers a full spectrum of creative possibilities.

The effects toolkit is extensive: static and rotating gobo wheels, beam reducers, and the patented SpektraBeam engine deliver a truly unique lighting experience. MLP stackable multi-level prisms offer independent speed and direction control for added depth, while a 540° pan indexing range lets you swirl effects across your performance, ensuring every show is dynamic and memorable.

GLINT™ (GigaPointe Light Intensity Technology) delivers outstanding light intensity, beam sharpness, flat field, contrast and vivid gobo projection at any optical setting. Using innovative optical elements and software algorithms, GLINT™ automatically and dynamically optimises beam definition and performance, ensuring crisp, high-impact, high-contrast visuals every time. It maintains safe, consistent Laser Phosphor incoherent light intensity, protecting both audiences and equipment. With the patent GLINT™ technology, creative professionals achieve maximum clarity and brilliance, confident they can concentrate on artistic creation.

MAPS™ Motionless Absolute Positioning eliminates pre-use calibration pan and tilt movement, while the EMS™ Electronic Motion Stabiliser system instantly stops hysteresis-induced beam shake.

Greatly improving internal self-cleaning, patented AERIS™ (Airborne Emission Removal In-head System) technology instantly filters and scrubs air in the head compartment, preventing airborne residues (oil, VOCs) from settling on optical elements - lenses, prisms, gobos, and dichroic filters. AERIS™ keeps surfaces pristine and extends service intervals, significantly lowering ownership costs.

Experience peace of mind and effortless reliability with RAINS™ protection technology, which actively manages the internal microclimate to prevent moisture build-up, ensuring your fixture performs flawlessly outdoors. Maintenance is quick and hassle-free - seals and locks are verified in under three minutes, with no special tools required. POLAR+™ standby technology guarantees instant operation even in extreme cold (down to -50°C), so you can trust GigaPointe® to deliver, whatever the conditions.

For remote installations, REAP™ (Robe Ethernet Access Portal) gives you real-time fixture data and diagnostics - including RAINS™ internal pressure and saturation levels - accessible from any web browser. NFC technology lets you set up and adjust your fixture easily from your mobile device using the Robe Com app, putting control and convenience in your hands.

**GigaPointe® - Giga-impact, anywhere, anytime.**

# Technical Specification

## Source

- Light source type: LSW-3™ 350W White Laser Source
- Typical lumen maintenance: L70 @ 12.000 hours
- CRI: 70
- Colour temperature: 7.000K
- Light source warranty: 3 years or 12.000 hrs

## Optical system

- Robe's proprietary optical design (Patent pending)
- High-efficiency zoom optical system, ratio 14:1
- Zoom range:
  - Beam mode: 1.8° - 21°
  - Spot mode: 3° - 42°
- Output lens diameter: 150 mm
- Fixture total lumen output:
  - 23.400 lm (integrating sphere)
  - 19.000 lm (goniophotometer)
- Illuminance: 4.000.000 lx @ 5 m
- parCoat™ (particle resistant coating) unique hydrophobic and oleophobic coating helps prevent water, dirt, dust, haze and smoke from adhering to the output lens

## Dynamic Effects and Features

- Cyan: 0 - 100%
- Magenta: 0 - 100%
- Yellow: 0 - 100%
- Dimmer: 0 - 100%
- Virtual CTO: 3.000K - 6.700K
- Colour Wheel: 13 dichroic filters + white
- Rotating gobo wheel: 9 rotating gobos + open, indexable and replaceable gobos
- Static gobo wheel: 14 gobos + open
- MLP™ - Patented Multi-Level Prisms allow multiple prisms to be "stacked" while retaining individual speed and direction control. With variable shape and size it creates unlimited dynamic, multi-level flower and beam effects:
  - Prism wheel 1: Prism 1+2+3
  - Prism wheel 2: Prism 4+5+6
- MagFrost™ - magnetic paddle fast change system providing exchangeable frosts containing as standard a very light 1° for instant softening of the projected gobo or framing shutters, and a medium 5° for even wash, both specifically selected for theatre and TV use
- Motorised zoom and focus
- Pre-programmed random strobe & pulse effects
- ChromaTint™ - Patented plus / minus green correction function
- L3™ - (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth fade to black
- SpektraBeam™ - Paradigm-shifting patented effects engine. See it to believe it. The true, monumental breakthrough in effects modules
- AirLOC™ (Less Optical Cleaning) technology greatly reduces the level of airborne particles drawn over the optical elements. This increases the overall performance, light quality and time between routine cleaning and maintenance.
- POLAR+™ for power saving and instant operation in extremely cold weather conditions

## Control and programming

- Setting & Addressing: ROBE Navigation System 3 (RNS3)
- 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, NFC app controller
- Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN
- Wireless CRMX™ technology from Lumen Radio
- REAP™ - Robe Ethernet Access Portal
- Epass™: Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity
- RAINS™ (Robe Automatic Ingress Neutralization System) manages humidity, temperature and pressure control using an active monitoring system to automatically remove any moisture detected within the fixture and provides constant monitoring to ensure peak performance
- DMX Protocol modes: 39
- Control channels: 41
- Pan & Tilt resolution: 16 bit
- Colour wheel positioning: 8 or 16 bit
- CMY: 8 bit
- CRI Selection: 80 or 90
- Rotating gobo wheel positioning: 8 bit
- Gobo indexing & rotation: 8 or 16 bit
- Static gobo wheel positioning: 8 bit
- Prism indexing & rotation: 8 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
- Automatic Pan & Tilt position correction
- EMS™: Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement or vibration (Patented)
- MAPS™ - Motionless absolute positioning system for Pan and Tilt (Patented)

## Rotating gobos

- Glass gobos: 9 rotating gobos + open
- Outside diameter: 15.9 mm
- Image diameter: 12.5 mm
- Thickness: 1.1 mm
- High temperature borofloat or better glass
- Patented slot & lock system for easy replacement of gobos

## Static gobos

- Aluminium wheel

## Effect wheel

- Single animation wheel

## Thermal specification

- Maximum ambient temperature: 50°C (122°F)
- Maximum surface temperature: 80°C (176°F)
- Minimum operating temperature: -50°C (-58°F)
- Total heat dissipation: max. 1876 BTU/h (calculated)

## Electrical specification and connections

- Power supply: Electronic auto-ranging
- Input voltage range: 100-240 V, 50/60 Hz
- Power consumption: 500 W
- Power connector in: IP65 Neutrik powerCON TRUE1
- DMX and RDM data in/out: IP65 Locking 3-pin & 5-pin XLR connectors
- Ethernet port in/out: IP65 RJ45, for Embedded Epass™ switch 10/100 Mbps

## Approvals

- CE Compliant
- cETLus Compliant (pending)

## Mechanical specification

- Height: 671 mm (26.4")
- Width: 403 mm (15.9")
- Depth: 257 mm (10.1")
- Weight: 26.5 kg (58.4 lbs)
- Ingress protection rating: IP65

## Rigging

- Mounting positions: Horizontally or vertically
- Universal operating position
- Mounting points: 2 pairs of 1/4-turn locking points
- 2x Omega adaptors with 1/4-turn quick locks
- Pan & Tilt transport locks
- Safety cable attachment point

## Included items

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

## Optional accessories

- Doughty Trigger Clamp: 17030386
- Omega Adaptor T CL - 2pcs: 10980184
- Safety wire 50 kg: 99011957
- Frost 0.5° assembled: 10980690
- Frost 1° assembled: 10980691
- Frost 3.5° assembled: 10980758
- Frost 10° assembled: 10980693
- Frost 20° assembled: 10980694
- Frost 30° assembled: 10980695
- Single Top Loader Case
- Dual Top Loader Case
- Foam Shell

## Legal

- GigaPointe<sup>®</sup> is a Registered Trademark of Robe lighting s. r. o.
- GigaPointe<sup>®</sup> is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents