

# iPointe®

## OUR NEW OUTDOOR POINT!

Robe's brand new IP65 rated iPointe combines innovative ingress protection with the spectacular effect features of the MegaPointe - the best product on the market in its category. Perfect for festivals, concerts and outdoor events and any scenario needing to deal with inclement or unpredictable weather - the iPointe is a bright, powerful multifunctional luminaire that works equally well as a beam, spot, effect and wash fixture. The ingenious ingress protection has been designed and developed diligently over two years by Robe's R'n'D team and comprises a series of interconnected filters and air chambers which prevent water ingress into the fixture. There's also a unique new dust-free environment for the optical, gobo and colour systems thus eliminating the need for frequent cleaning and maintenance. The iPointe's impressive lightsource is a 310W lamp, with a lifetime of up to 4.000 hours, specially developed for Robe by Osram. It produces a brilliant, crystal clear, razor-edged beam, adjustable from a tight, punchy 1.8 degree beam to a wide 42 degrees spot. The beam can be accurately shaped and positioned by using the innovative framing shutters emulation. Both static and rotating glass gobos produce precision in-air effects and projected images with a sharp, high-contrast, flat field. An inventive new effects engine can produce 12 varying beam and 'flower' effects, all of this taking a winning combination of creativity and weather-resistance to new levels. Thanks to its design, the iPointe offers seamless cross-usage with MegaPointe, featuring the same DMX control, but in well-protected, water resistant housing. Pointe, MegaPointe, iPointe. The best all-in-one product range!



Osram Sirius HRI 310 W RO



Bright output of 1.584.660 lx @ 5 m



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



CMY mixing, rotating and static gobo wheel, animation wheel, 12 beam and flower effects

# Technical Specification

## SOURCE

1. Lamp: Discharge short arc lamp with integrated reflector
2. Approved model: Osram Sirius HRI 310W RO
3. Lifetime:

- 2.500 hours @ 310W Standard mode
- 3.500 hours @ 230W Eco mode
- 4.000 hours @ LL mode with auto recovery

- CRI: 80/90
- CCT:
  - Light output 7.200K
  - Lamp 8.500K

- Control: Automatic and remote on/off
- Ballast: Electronic

## OPTICAL SYSTEM

1. Robe's proprietary optical design (Patent pending)
2. Zoom optical system: 14:1
3. Zoom range:

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

- Output lens diameter: 150 mm
- Fixture total lumen output: 11.628 lm
- Light output:
  - Beam mode
    - 1.8°: 1.584.660 lx @ 5 m
    - 1.8°: 99.040 lx @ 20 m
  - Spot mode
    - 3°: 381.540 lx @ 5 m
    - 3°: 23.846 lx @ 20 m

## DYNAMIC EFFECTS

- Cyan: 0 - 100%
- Magenta: 0 - 100%
- Yellow: 0 - 100%
- Colour Wheel: 13 dichroic filters + white
- Rotating gobo wheel: 9 rotating gobos + open, indexable and replaceable gobos
- Static gobo wheel: 14 gobos + open

- Animation wheel: Aluminium animation wheel, used alone or in combination with gobos, rotating in both directions at variable speed
- Innovative Effect Engine consisting of 6 prisms placed on two wheels, producing 12 various Beam and Flower effects
- Beam shaper emulating framing shutters and creating rectangular beam shapes, rotatable and indexable (Patent pending)
- Frost: variable 1° (light) and 5° (medium)
- Motorized zoom and focus
- Remote Hot-spot control: adjustable from 5:1 to 2.5:1 in spot mode and from 7:1 to 2.7:1 in beam mode
- Pre-programmed random strobe & pulse effects
- Dimmer: 0 - 100%

## CONTROL AND PROGRAMMING

- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- 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
- Web server
- Wireless CRMX™ technology from Lumen Radio: standard
- DMX Protocol modes: 2
- Control channels: 39,34
- 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
- Animation wheel: 8 bit
- Animation wheel rotation: 8 or 16 bit
- Prism indexing & rotation: 8 bit
- Frost: 8 bit
- Zoom: 8 or 16 bit
- Focus: 8 or 16 bit
- Hot-Spot: 8 bit
- Dimmer: 8 or 16 bit

## MOVEMENT

- Pan movement: 540°
- Tilt movement: 265°
- 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 (Patent pending)

## 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

- "SLOT&LOCK" system for easy replacement of gobos

## **STATIC GOBOS**

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

## **THERMAL SPECIFICATION**

- Maximum ambient temperature: 45°C (113°F)
- Maximum surface temperature: 90°C (194°F)
- Minimum operating temperature: -10°C (14°F)

## **ELECTRICAL SPECIFICATION AND CONNECTIONS**

- Power supply: Electronic auto-ranging
- Input voltage range: 100-240 V, 50/60 Hz
- Power consumption: max. 550 W
- Power in connector: IP65 Neutrik powerCON TRUE1
- DMX and RDM data in/out: IP65 Locking 3-pin & 5-pin XLR connectors
- Ethernet port in: IP65 RJ45 connector

## **APPROVALS**

- CE Compliant
- cETLus Compliant

## **MECHANICAL SPECIFICATION**

- Height: 761 mm (30.0") - head in vertical position
- Width: 506 mm (19.9")
- Depth: 277 mm (10.9")
- Weight: 38 kg (83.8 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 and Tilt transport locks
- Safety cable attachment point

## **INCLUDED ITEMS**

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

## **ACCESSORIES**

- Lamp Osram Sirius HRI 310W RO: 14080065
- Doughty Trigger Clamp: 17030386
- Safety wire 50 kg: 99011957

- Dual Top Loader Case: 10120251
- Single Top Loader Case: 10120249
- Foam Shell: 20020350

## LEGAL

- iPointe® is Registered Trademark of Robe lighting s. r. o.
- iPointe® is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents