

BEAM, SPOT  
WASH & FX  
FIXTURE

C M Y  
COLOUR MIXING  
SYSTEM

12 BEAM  
& FLOWER  
EFFECTS

ROTATING & STATIC  
GOBOS  
ANIMATION  
W H E E L

iPointe®



**ROBIN®**  
Innovative Technology

[www.robe.cz](http://www.robe.cz)

**ROBE®**

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iPointe®



**ROBE®**

IP65  
inaress  
protection

CRI  
80/90

ZOOM  
BEAM 1.8° - 21°  
SPOT 3° - 42°

REMOTE  
HOT-SPOT  
CONTROL



# Technical Specification

## THE 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 to date - making the iPointe a truly unique and incomparable all-in-one fixture.

Perfect for festivals, concerts and outdoor events or 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, effects 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 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, taking this winning combination of creativity and weather-resistance to new levels. Thanks to its cool design, the iPointe offers seamless cross-usage with MegaPointe, featuring the same DMX control in a well-protected, water-resistant housing.

## Source

- Lamp: Discharge short arc lamp with integrated reflector
- Approved model: Osram Sirius HRI 310 W RO
- 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: 7,200 K, CCT Lamp: 8,500 K
- Control: Automatic and remote on/off
- Ballast: Electronic

## Optical System

- Robe's proprietary optical design (Patent pending).
- Zoom optical system: 14:1
- 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
- Beam mode 1.8°: 99,040 lx @ 20 m
- Spot mode 3°: 381,540 lx @ 5 m
- Spot mode 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 (Patent pending)
- Beam shaper emulating framing shutters and creating rectangular beam shapes, rotatable and indexable (Patent pending)
- 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 (Patent pending)
- 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

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## 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: 550 W at 230 V / 50 Hz
- 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
- 2 x Omega adaptors with 1/4-turn quick locks
- Pan and Tilt transport locks
- Safety cable attachment point

## Static Gobos

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

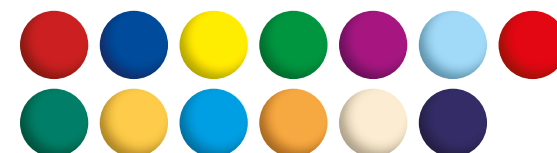
## Accessories

- Lamp Osram Sirius HRI 310 W RO
- Doughty Trigger Clamp
- Safety wire 50 kg
- Dual Top Loader Case
- Single Top Loader Case
- Foam Shell

## 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

## Colour wheel



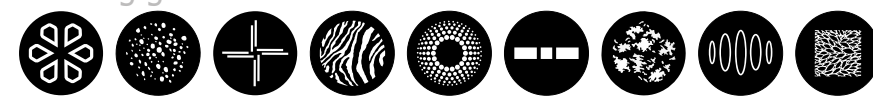
## CMY Colour Mixing system:



## Static gobo wheel



## Rotating gobo wheel



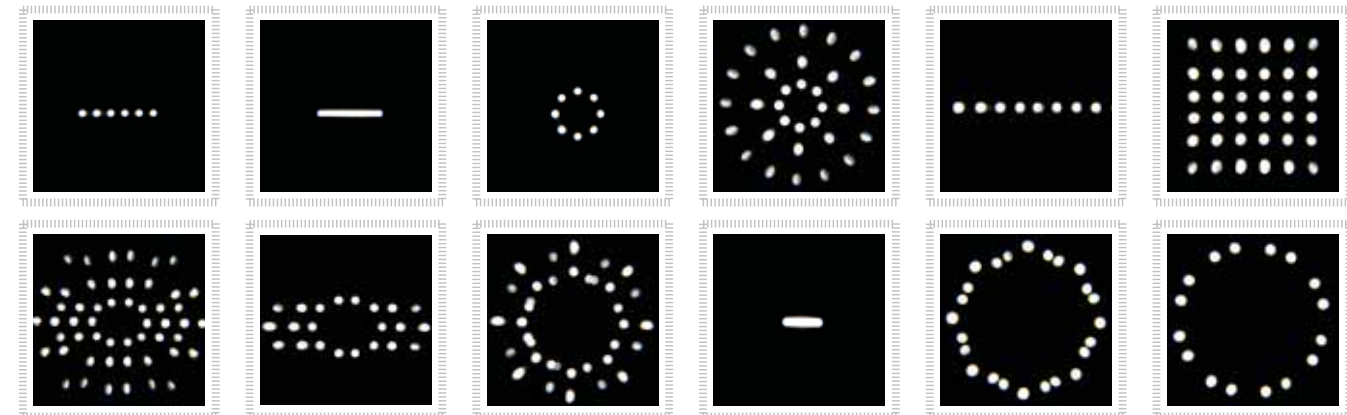
## Animation wheel

The new aluminium animation wheel (ø 110 mm) can be used alone or in combination with gobos.



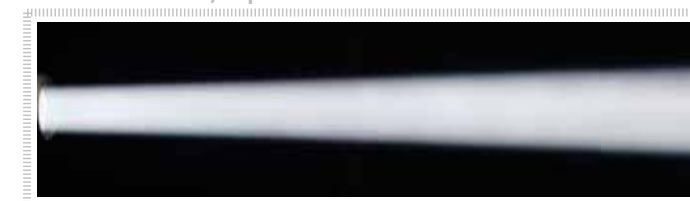
## Beam and Flower Effects

Innovative Effect Engine consisting of 6 prisms placed on two wheels, producing 12 various Beam and Flower effects (Patent pending).

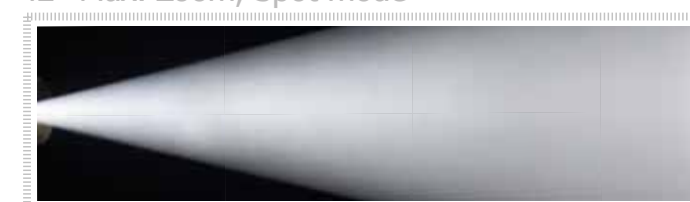


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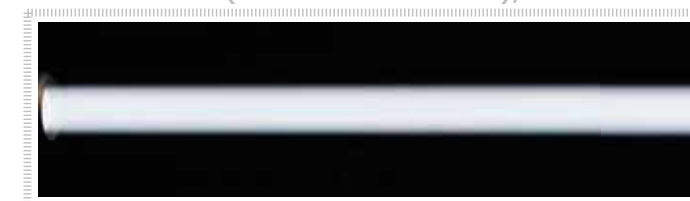
## 3° Min. Zoom, Spot mode



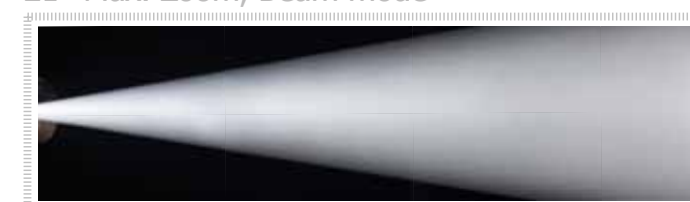
## 42° Max. Zoom, Spot mode



## 0° Min. Zoom (with beam reducer), Beam mode



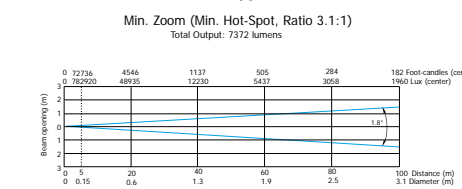
## 21° Max. Zoom, Beam mode



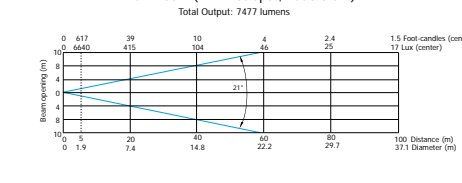
## IN-Air Effects



## Beam Application

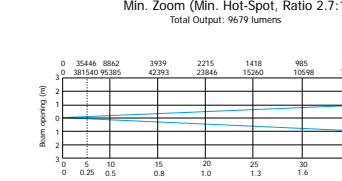


## Max. Zoom (Min. Hot-Spot, Ratio 3.6:1)

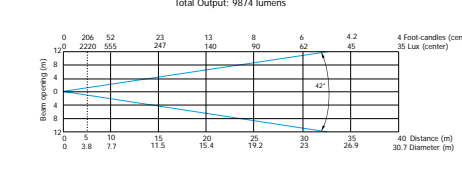


## Spot Application

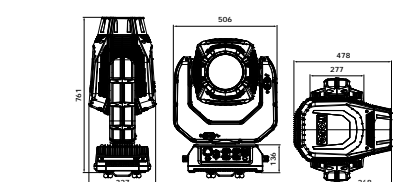
### Min. Zoom (Min. Hot-Spot, Ratio 2.7:1)



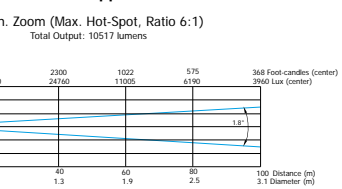
### Max. Zoom (Min. Hot-Spot, Ratio 3.6:1)



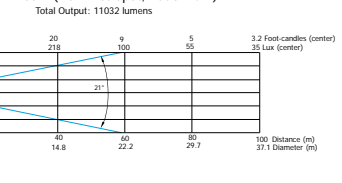
## Lamp in Standard mode



## Beam Application

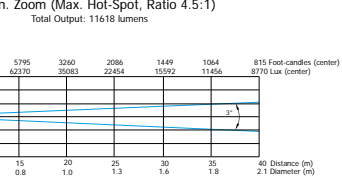


## Max. Zoom (Max. Hot-Spot, Ratio 7.5:1)



## Spot Application

### Min. Zoom (Max. Hot-Spot, Ratio 4.5:1)



### Max. Zoom (Max. Hot-Spot, Ratio 6:1)

