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MegaPointe®

MEGA bright with MEGA features and still compact. The MegaPointe from Robe.

Light source

Osram Sirius HRI 470 W RO

Light output

MEGA bright 2.200.000 lx @ 5

Zoom range

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

Effects

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

OUR NEW REFERENCE POINT!

Our all-new MegaPointe elevates the original all-in-one fixture to a whole new level. Unleash your creativity using the bright sharp parallel beams, excellent gobo projection, precise movement, smooth CMY colour mixing and dimming plus a multitude of beam splitting, wash and shaping effects.

The Robe R&D team worked with Osram to provide a 470W lamp that aligns perfectly with the cutting edge optical system. This design provides a brilliant, crystal clear, razor-edged beam, adjustable from a punchy 1.8 out to a wide 42 degree zoom.

Both static and rotating (glass) gobos produce precision in-air effects or projected images with a sharp, high-contrast, flat field.

The newly designed effects engine can produce 12 varying beam and ‘flower’ effects. The beam can also be shaped using innovative shutter emulation, further creating a whole new blend of content & creativity.

Technical Specification

Source

- Lamp: Discharge short arc lamp with integrated reflector
- Approved model: Osram Sirius HRI 470 W RO
- Lifetime: 1.500 hours @ 470W Standard mode, 2.000 hours @ 380W Eco mode
- CRI: 80/90
- CCT:
  - Light output 6.300K
  - Lamp 7.500K
- Control: Automatic and remote on/off
- Ballast: Electronic

Optical system

- Robe's proprietary optical design (Patent pending).
- Zoom optical system: 14:1
- Light output:
  - Beam mode 1.8°: 2 200.000 lx @ 5 m
  - Beam mode 1.8°: 137.500 lx @ 20m
  - Spot mode 3°: 715.300 lx @ 5 m
  - Spot mode 3°: 44.710 lx @ 20m
- Zoom range:
  - 1.8° - 21° beam mode
  - 3° - 42° spot mode
- Output lens diameter: 150 mm
- Fixture total lumen output: 20.375 lm

Dynamic Effects and Features

- 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 (Patented)
- FREM™ - Framing shutter emulation
- 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 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
- Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN
- Wireless CRMX™ technology from Lumen Radio - on request
- DMX Protocol modes: 2
- Control channels: 39, 34
- Pan/Tilt resolution: 8 or 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 (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
- "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 housing temperature: 80 °C (176 °F)
- Minimum operating temperature: -5 °C (23 °F)
- Total heat dissipation: max. 1945 BTU/h (calculated)

Electrical specification and connections

- Power supply: Electronic auto-ranging
- Input voltage range: 100-240 V, 50/60 Hz
- Power consumption: 670 W
- Power in connector: Neutrik powerCON TRUE1
- DMX and RDM data in/out: Locking 3-pin & 5-pin XLR
- Ethernet port in: RJ45
- USB connector (series A)

Approvals

- CE Compliant
- cETLus Compliant

Mechanical specification

- Height: 640 mm (25.2”) - head in vertical position
- Width: 396 mm (15.6”)
- Depth: 230 mm (9.1”)
- Weight: 22 kg (48.5 lbs)
- Ingress protection rating: IP20

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

Optional accessories

- Lamp Osram Sirius HRI 470W RO: 14080061-01
- Doughty Trigger Clamp: 17030386
- Frost I 0.5° (exchange) assembled: 10980632
- Frost I 1° (exchange) assembled: 10980633
- Frost I 5° (exchange) assembled: 10980634
- Frost I 10° (exchange) assembled: 10980635
- Frost I 20° (exchange) assembled: 10980636
- Frost I 30° (exchange) assembled: 10980637
- Frost II 0.5° (exchange) assembled: 10980638
- Frost II 1° (exchange) assembled: 10980639
- Frost II 5° (exchange) assembled: 10980640
- Frost II 10° (exchange) assembled: 10980641
- Frost II 20° (exchange) assembled: 10980642
- Frost II 30° (exchange) assembled: 10980643
- Safety wire 36 kg: 99011963
- Upgrade kit CRMX Universal 260: 99030100
- Single Top Loader Case: Horizontal 10120232
- Dual Top Loader Case:
  - Vertical 10120229
  - Horizontal 10120233
- Quad Top Loader Case: Vertical 10120230
- Foam Shell:
  - Single Vertical 20020308
  - Dual Vertical 20020310
  - Single Horizontal 20020311

Legal

- MegaPointe® is a registered trademark of Robe lighting s. r. o.
- MegaPointe® is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents

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Gobos&Colours

Rotating Gobo Wheel

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15020352

15020351

15020347

15020337

15020350

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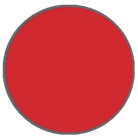
15020354

15020342

Colour Wheel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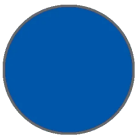
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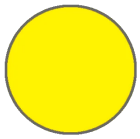
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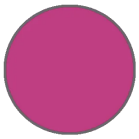
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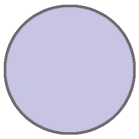
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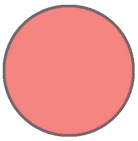
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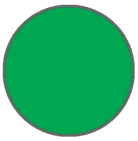
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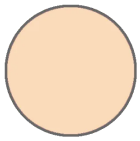
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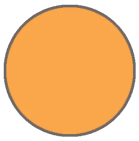
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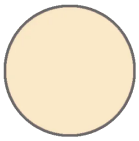
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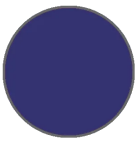
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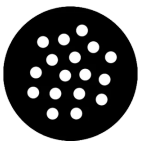
Fixed Gobo Wheel, Detail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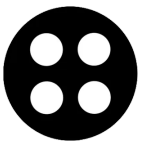
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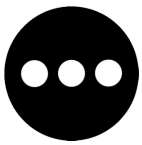
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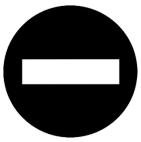
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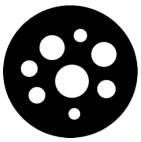
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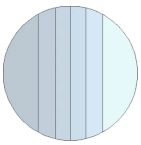
Animation Wheel

11020239

Prism Wheel 1



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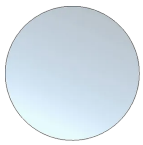

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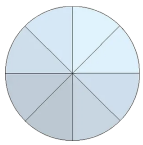

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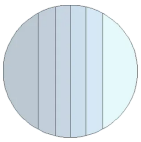
Prism Wheel 2



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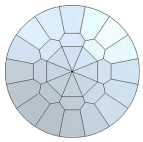

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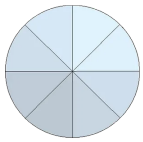

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