MegaPointe®

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

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.

Light source
Osram Sirius HRI 470 W RO

Light output
MEGA bright 2.200.000 lx @ 5 m

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
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: 6.300 K, CCT Lamp: 7.500 K
- 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: 20.375 lm
- Light output:
  - Beam mode 1.8°: 2.200.000 lx @ 5 m
  - Beam mode 1.8°: 137.500 lx @ 20 m
  - Spot mode 3°: 715.300 lx @ 5 m
  - Spot mode 3°: 44.710 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, indexable and replaceable gobos + open
- 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)
- 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 (Patent pending)

ROTATING GOBOS

- Glass gobos: 9 rotating gobos
- 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)
ELECTRICAL SPECIFICATION AND CONNECTIONS

- Power supply: Electronic auto-ranging
- Input voltage range: 100-240 V, 50/60 Hz
- Power consumption: 670 W at 230 V / 50 Hz
- Power in connector: Neutrik powerCON TRUE1
- DMX and RDM data in/out: Locking 3-pin & 5-pin XLR
- Ethernet port in: RJ45

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)

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

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

ACCESSORIES

1. Lamp Osram Sirius HRI 470W RO: 14080061
2. Doughty Trigger Clamp: 17030386
3. Safety wire 35 kg: 99011963
4. Single Top Loader Case: Horizontal 10120232
5. 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
gobos & colours

ROTATING GOBO WHEEL

15020341  15020352  15020351  15020347  15020337  15020350
15020355  15020354  15020342

COLOUR WHEEL

14070445  14070446  14070447  14070448  14070449  14070450
14070451  14070452  14070453  14070454  14070455  14070456
14070457

FIXED GOBO WHEEL, DETAIL

99015494-1  99015494-2  99015494-3  99015494-4  99015494-5  99015494-6
99015494-7  99015494-8  99015494-9  99015494-10

ANIMATION WHEEL
PRISM WHEEL 1

14050031  14050033  14050030

PRISM WHEEL 2

14050031  14050032  14050034