ROBE lighting s .r. o., Hazovice 2090
75661 Roznov pod Radhostem
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LEDBeam 350™

Bigger, bolder, brighter! Building on the highly successful LEDBeam 150™ the big brother LEDBeam 350™ has arrived, delivering more punch and presence to create even more fast sweeping beams and gorgeous washes.

Light source
12x 40W RGBW multichips

Light output
6.574 lm, 28.200 lx @ 5 m

Zoom range
3,8° – 60°

Maintaining the spectacular 3.8° to 60° zoom range and Robe's innovative lens coating technology, which keeps lenses clearer and scratch-free, we have added more advanced technology. CPulse™, our highly respected Pulse Width Modulation control system, removes any on-screen camera flicker, making LEDBeam 350's eminently suitable for work with the most advanced HD and UHD cameras.

All features, including fast movement, colour mixing, zoom and control from its smaller sister can be maintained via a compatibility mode, meaning seamlessly use both models together with identical behaviour on the same rig. The 12 x 40W RGBW high power multichips provide plenty of output or CMY colour mixing control. DataSwatch™ contains 66 premixed colours and tones, including whites, for fast, reliable colour selection, while our system takes care of imperceptible fades to black.

Being exceptionally quiet, due to the advanced cooling system and new super smooth zoom stepper motors, tungsten lamp emulation for lamps 2500W, and a variable CTO from 2.700K to 8.000K, the fixture is ideal for theatrical use.

The LEDBeam 350™ FW version offers a Fresnel-Wash type of beam for smoother edges and better colour homogenization.

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Technical Specification

Source

- Light source type: 12x 40W RGBW multichips
- LED life expectancy: min. 50.000 hours
- Typical lumen maintenance: L70/B50 @ 50.000 hours

Optical system

- Robe's proprietary optical design
- High-efficiency zoom optical system, ratio 15,5:1
- Zoom range: 3.8° - 60°
- Fixture total lumen output: 6574 lm
- Illuminance: 28.200 lx @ 5 m
- Innovative lens coating technology (Patent pending)

Dynamic Effects and Features

- Colour mixing mode RGBW or CMY
- White light: Variable CCT 2.700K - 8.000K
- DataSwatch™ filters: pre-programmed 66 colours and tones including most used whites 2.700K, 3.200K, 4.200K, 5.600K and 8.000K
- Tungsten lamp effect: 750W, 1.000W, 1.200W, 2.000W, 2.500W lamp emulation for whites from 2.700K to 4.200K (red shift and thermal delay)
- Motorized zoom
- Electronic strobe effect with variable speed up to 20 Hz, pre-programmed random strobe & pulse effects
- High resolution electronic dimming: 0 - 100%
- L3™ - (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth fade to black
- Cpulse™ special flicker-free management for HD and UHD cameras, ready for 8K and 16K
- Extremely quiet operation suitable for all types of production in Theatre and TV

Control and programming

- Setting & Addressing: two-row LCD display & 4 control buttons, stand-alone operation with 3 editable programs (each up to 40 steps)
- Protocols:
- USITT DMX-512, RDM
- ArtNet, MA Net, MA Net2, sACN - on request
- REAP™ - Robe Ethernet Access Portal
- Wireless CRMX™ technology from Lumen Radio - on request

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- Epass™: Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity
- DMX Protocol modes: 3
- Control channels: 22, 16, 24
- Pan/Tilt resolution: 16 bit
- RGBW / CMY: 8 or 16 bit
- Zoom: 8 or 16 bit
- Dimmer: 8 or 16 bit (internal 18 bit)

Movement

- Pan movement:
  - 540° standard
  - 450° reduced
- Tilt movement: 228°
- Movement control: Standard and Speed
- Controllable speed of Pan/Tilt movement
- Automatic Pan/Tilt position correction

Thermal specification

- Maximum ambient temperature: 45°C (113°F)
- Maximum surface 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: Max. 440 W
- Power connector in/out: Neutrik powerCON TRUE1 in/out
- DMX and RDM data in/out: Locking 5-pin XLR
- Ethernet port in/out: RJ45, for Embedded Epass™ switch 10/100 Mbps - on request

Approvals

- CE Compliant
- cETLus Compliant

Mechanical specification

- Height: 426 mm (16.8") – head in vertical position
- Width: 320 mm (12.6")

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- Depth: 220 mm (8.7") – head in vertical position
- Weight: 9.9 kg (21.7 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
- Safety cable attachment point

Included items

- User Manual
- Omega Adaptor CL-regular

Optional accessories

- Diffusion filter (2° FW): 10980559
- Wireless DMX external module: 10980127
- EggCrate: 10980560
- Safety wire 35 kg: 99011963
- Single Omega Bracket for one clamp - black: 10980100
- Single Omega Bracket for one clamp - white: 10980113
- Single Omega Bracket for one clamp - neutral: 10980129
- Mains Cable powerCON TRUE1 In/Schuko, 2m, Indoor: 13052405
- Mains Cable powerCON TRUE1 In/US, 2m, Indoor: 13052406
- Daisy Chain powerCON TRUE1 In/Out, EU, 2m, Indoor: 13052439
- Mains Cable powerCON TRUE1 In/CEE 16A, 2m, Indoor: 13052445
- Mains Cable powerCON TRUE1 In/Open ended, 2m, Indoor: 13052407
- Daisy Chain powerCON TRUE1 In/Out, US, 2m, Indoor: 13052440
- Daisy Chain powerCON TRUE1 In/Out, EU, 5m, Indoor: 13052444
- Single Top Loader Case: 10120273
- Quad Top Loader Case: 10120274
- Foam Shell: 20020397

Legal

- LEDBeam 350™ is a Trademark of Robe lighting s. r. o.
- LEDBeam 350™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents