

LEDBeam 200™

Do you love the fast setup and easy transport of the LEDBeam™ family - but want more punch, higher brightness, and richer colour? The super-fast LEDBeam 200™ builds on everything that made the series so popular, introducing a significantly more powerful LED engine without sacrificing speed or portability.



Light source

7x 55W RGBL LED multichips



Light output

25.000 lx @ 5m



Zoom range

3.8° - 60°



Featuring Robe's advanced optical design and 7 × 55 W RGBLime multichip LEDs, the LEDBeam 200 delivers an impressive 25.000 lx at 5 m from a compact 6 kg fixture, while drawing just 330 W of power. The result is exceptional output efficiency, vivid colour performance, and professional-grade illumination in a remarkably small footprint.

A CRI of 86 and a variable white CCT range from 1.800 K to 10.000 K ensure accurate colour reproduction. Lamp-selectable tungsten emulation and onboard DataSwatch™ virtual colour library provide consistent colour control, from the faintest pastels to deeply saturated tones, via RGBL or CMY control.

The noise dampened 15.5:1 zoom ratio offers a beam angle of 3.8° - 60°, allowing smooth transitions from tight beams to wide, even coverage.

ScreenPix™ enhances visual impact through multi-zone RGB control across the fixture display, with intuitive macro access adding an additional layer of effects to your designs.

For precise intensity control, the LEDBeam 200™ incorporates 18-bit L3™ Low Light Linearity dimming software to ensure ultra-smooth fades and transitions. For added theatricality, the FW version includes a frost diffuser to further soften beam edges.

Connectivity options include an optional Epass™ Ethernet pass-through switch to maintain network integrity when powered down, and optional CRMX DMX wireless control.

Robe's RLCT™ lens coating protects optics by resisting scratches, repelling dust through anti-static properties, and keeping lenses cleaner for longer - maintaining maximum brightness, consistent output, and reduced maintenance.

LEDBeam 200™ - Pack small, punch bright!

Technical Specification

Source

- Light source type: 7 x 55W RGBL multichips
- LED life expectancy: min. 50.000 hours
- Typical lumen maintenance: L70/B50 @ 50.000 hours
- CRI: up to 86

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:
 - 4.650 lm (integrating sphere)
 - 3.700 lm (goniophotometer)
- Illuminance: 25.000 lx @ 5 m
- RLCT™ Innovative lens coating technology

Dynamic Effects and Features

- Colour mixing mode RGBL or CMY
- White light: Variable CCT 1.800K - 10.000K
- 2 individually controllable segments (1 ring and 1 middle pixel)
- DataSwatch™ filters: pre-programmed 66 colours and tones including most used whites 2.700K, 3.200K, 4.200K, 5.600K and 8.000K
- Motorised zoom
- 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)
- 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
- ScreenPix™ - Elevates visual impact with multi-zone RGB control across each fixture display screen - all with intuitive macro control

Control and programming

- Setting & Addressing: ROBE Navigation System 3 (RNS3)
- 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
- Epass™: Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity - on request
- Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN
- REAP™ - Robe Ethernet Access Portal
- Wireless CRMX™ technology from Lumen Radio - on request
- DMX Protocol modes: 3
- Control channels: 22, 25, 32
- Pan & Tilt resolution: 8 or 16 bit
- RGBL / CMY: 8 or 16 bit
- Zoom: 8 or 16 bit
- Dimmer: 8 or 16 bit (internal 18 bit)

Movement

- Pan movement: 450°
- 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. 330 W
- Power connector in/out: Neutrik powerCON in/out
- DMX and RDM data in/out: Locking 5-pin XLR
- Ethernet port in: RJ45

Approvals

- Compliant
- cETLus Compliant

Mechanical specification

- Height:
 - 340 mm (13.27")
 - 372 mm (14.64") - including zoom
- Width: 246 mm (9.64")
- Depth: 158 mm (6.22")
- Weight: 6 kg (13.22 lbs)
- Ingress protection rating: IP20

Rigging

- Mounting points: 1 pair of 1/4-turn locks
- 1x Omega adaptor with 1/4-turn quick locks
- Universal operating position
- Safety cable attachment point

Included items

- User Manual
- Omega Adaptor CL-regular

Optional accessories

- Diffusion filter
- Wireless DMX external module: 10980127
- EggCrate
- Safety wire 36 kg: 99011963
- Mains Cable powerCON In/Schuko 2m: 13051724
- Mains Cable powerCON In/CEE 16A 2m: 13051725
- Mains Cable powerCON In/US 2m: 13051726
- Mains Cable powerCON In/open ended 2m: 13051731
- Daisy Chain powerCON In/Out EU 2m: 13051727
- Daisy Chain powerCON In/Out US 2m: 13051728
- Single Top Loader Case
- Quad Top Loader Case
- Eight Pack Top Loader Case
- Foam Shell

Legal

- LEDBeam 200™ is a Trademark of Robe lighting s. r. o.
- LEDBeam 200™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents