

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

27.500 lx @ 5m



Zoom range

3.8° - 60°



Effects

Virtual colour wheel, Tungsten emulation, ScreenPix™ display screen mapping



Featuring Robe's advanced optical design and 7 × 55 W RGBLime multichip LEDs, the LEDBeam 200 delivers an impressive 27.500 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:

- 8.700 lm (integrating sphere)
- 6.700 lm (goniophotometer)

Illuminance: 27.500 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

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 (Patented)

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 TRUE1 in/out

DMX and RDM data in/out: Locking 5-pin XLR

Ethernet port in: RJ45

Approvals

Compliant

cETLus Compliant

Mechanical specification

Height:

- 337 mm (13.27")
- 372 mm (14.64") – including zoom

Width: 244 mm (9.61")

Depth: 149 mm (5.87")

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

Wireless DMX external module: 10980127

EggCrate: 10980346

Frost 2° assembled (FW): 10981506

Frost 5° assembled: 10981507

Clear Lens Cover: 10981551

SVB1 4Bar: 10981141

Safety wire 36 kg: 99011963

Mains Cable powerCON TRUE1 In/Schuko 2m: 13052405

Mains Cable powerCON TRUE1 In/CEE 16A 2m: 13052445

Mains Cable powerCON TRUE1 In/US 2m: 13052277-01

Mains Cable powerCON TRUE1 In/open ended 2m: 13052407

Daisy Chain powerCON In/Out EU 2m: 13052439

Daisy Chain powerCON In/Out US 2m: 13052440

Daisy Chain powerCON TRUE1 In/Out US 5m: 13052444

Single Top Loader Case: 10120409

Quad Top Loader Case: 10120410

Eight Pack Top Loader Case: 10120411

Foam Shell: 20020547

Legal

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