

# iBeam 250™

It's time to move outside with the iBeam 250™!  
Whatever the weather, it's always ready to get  
your party started.

**Light source**

7x 40W RGBW multichips

**Light output**

4.400 lm, 15.000 lx @ 5 m, Cpulse™ special  
flicker free management for HD and UHD  
cameras, ready for 8K and 16K

**Zoom range**

3,8° - 60°



A member of the Robe iSeries, this IP65 rated luminaire gives you those compact WashBeam loved attributes of speed, colour and zoom range while capable of handling all the challenges of being outdoors.

Ideally suited for festivals, concerts, theatre, and outdoor events, or indeed any scenario dealing with inclement or unpredictable weather, the iBeam 250™ retains all the favourite features of its indoor relative, the LEDBeam 150™.

The ingenious ingress protection has been specifically designed and developed to ensure the fixture is completely sealed, to fully comply with IP65 protection standards.

Their aluminium housing gives a dust-free environment for the optics, eliminating the need for frequent cleaning, routine maintenance, and UV damage to plastic parts.

By including NFC (Near-Field Communication) technology, you can access setup, diagnostic and performance features, even when the fixture is not powered, directly from your mobile device using the Robe Com app.

iBeam 250™ uses the same 7 x 40-Watt RGBW multichip LED source as the original, producing an increased output of 4.400 lumens. With the identical 15.5:1 zoom optical system, giving the same, tight 3.8° Beam to wide 60° Wash, you have all the flexibility you require.

Keeping up with technological advances, we have incorporated Epass™ for maintaining network connectivity. For television users, Cpulse™ is included for flicker-free management of HD and UHD camera systems.

Designed to be used indoors or out, we make fixture swap with the original LEDBeam 150™ easy, as the DMX control channels, operating speeds, and feature set of both luminaires are identical.

iBeam 250™ - Robe reliability in all weathers!

# Technical Specification

## Source

- Light source type: 7 x 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:
  - 4.400 lm (integrating sphere)
  - 3.500 lm (goniophotometer)
- Innovative lens coating technology (Patent pending)
- Illuminance: 15.000lx @ 5 m

## 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
- 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

## 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
- Wireless CRMX™ technology from Lumen Radio: on request
- Epass™: Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity - on request
- DMX Protocol modes: 2

- Control channels: 22, 16
- Pan/Tilt resolution: 8 or 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: -10°C (14°F)

## **Electrical specification and connections**

- Power supply: Electronic auto-ranging
- Input voltage range: 100-240 V, 50/60 Hz
- Power consumption: max. 280 W
- Power connector in/out: IP 65 Neutrik powerCON TRUE1 in/out
- DMX and RDM data in/out: IP65 Locking 5-pin XLR connectors
- Ethernet port in/out: RJ45 (instead of 3-pin XLR) for Embedded Epass™ switch 10/100 Mbps - on request

## **Approvals**

- CE Compliant
- cETLus Compliant

## **Mechanical specification**

- Height: 471.5 mm (18.56")
- Width: 354.2 mm (13.94")
- Depth: 226.6 mm (8.92")
- Weight: 13.9 kg (30.64 lbs)

- Ingress protection rating: IP65

## Rigging

- Mounting points: 2 pairs of ¼-turn locks
- 2x Omega adaptors 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: 2° FW 10980423
- Safety wire 36 kg: 99011963
- Mains Cable powerCON TRUE1 In/open ended, 2m EU, outdoor: 13052276
- Mains Cable powerCON TRUE1 In/open ended, 2m US, outdoor: 13052277
- Daisy Chain powerCON TRUE1 In/Out, EU, 0,75m, Outdoor: 13052278
- Daisy Chain powerCON TRUE1 In/Out, US, 0,75m, Outdoor: 13052279
- Daisy Chain powerCON TRUE1 In/Out, EU, 2m, Outdoor: 13052280
- Daisy Chain powerCON TRUE1 In/Out, US, 2m, Outdoor: 13052281
- Single Top Loader Case: 10120285
- Quad Top Loader Case: 10120286
- Quad Top Loader Case TALL: 10120302
- Foam Shell: 20020443

## Legal

- iBeam 250™ is a Trademark of Robe lighting s. r. o.
- iBeam 250™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents