

# iBeam 350™

Bigger, bolder, brighter, and now weatherproof! Robe's highly successful LEDBeam 350™ has arrived in its wet weather gear to deliver punch and presence, creating even more fast-sweeping beams and gorgeous washes outdoors.

**Light source**

12x 40 W RGBW LED multichips

**Light output**

7.800 lm, 31.500 lx @ 5 m

**Zoom range**

3.8° - 52°



Joining the Robe iSeries, the IP65-rated iBeam 350™ retains all the qualities and features of its highly successful indoor brother, the LEDBeam 350™. Our groundbreaking, self-managing, low-maintenance ingress protection technology allows outdoor use of this classic indoor wash fixture by removing the threat of rain, dust, humidity, smoke or haze damage, even in the harshest conditions.

As with other fixtures in the iSeries they maintain an identical DMX map, similar footprint, and minimal weight difference the iBeam 350™ and LEDBeam 350™ can be used within the same lighting rig!

The onboard patented RAINS™ (Robe Automatic Ingress Neutralization System) manages humidity, temperature and pressure control. This active monitoring system automatically removes any moisture detected within the fixture, providing constant monitoring to ensure peak performance.

Outdoor fixtures need to operate in extreme cold. iBeam 350™ contains an innovative POLAR+™ technology - a special standby mode with low power consumption, in which the fixture's sensors and communications channels remain active. When activated, POLAR+™ automatically maintains an internal temperature level, giving instant operability down to minus 50 degrees centigrade!

The iBeam 350™ runs a self pressure test and sensors automatically log when a cover was removed and replaced. This self-test, taking under 3 minutes, provides an error message if gaskets and covers were not replaced correctly or locking screws tightened, ensuring maximum protection.

Their lightweight aluminium alloy structure provides a dust-free environment for the optics. This eliminates 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 without power, directly from your mobile device using the Robe Com app. iBeam 350™ features a spectacular 3.8° to 52° zoom range and 7.800 lumen output from their 12 x 40W RGBW multichips with colour mixing available via CMY or RGB control.

For quick programming, our DataSwatch™ onboard colour library contains 66 premixed colours and tones, including whites, for fast, reliable colour selection. Robe's advanced L3™ dimming software takes care of imperceptible fades to black.

Cpulse™, our highly respected Pulse Width Modulation control system, ensures the removal of any on-screen camera flicker, making iBeam 350's eminently suitable for work with the most advanced cameras. Being exceptionally quiet due to the advanced cooling system and new super smooth zoom stepper motors, tungsten lamp emulation for 750W, 1.000W, 1.200W, 2.000W and 2.500W lamps, and a variable CTO from 2.700K to 8.000K, the fixture is ideal for noise sensitive areas.

Our REAP™ (Robe Ethernet Access Portal) allows access to fixture information and diagnostics over Ethernet Networks. Perfect for installations requiring remote centralised monitoring of fixture performance.

### **iBeam 350™ - Robe reliability in all weathers**

# Technical Specification

## Source

- Light source type: 12 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 13,5:1
- Zoom range: 3.8° - 52°
- Fixture total lumen output:
  - 7.800 lm (integrating sphere)
  - 6.250 lm (goniophotometer)
- Illuminance: 31.468 lx @ 5 m
- RLCT™ 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 exceptionally quiet 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
- POLAR+™ for power saving and instant operation in extremely cold weather conditions

## 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, NFC app controller
- Protocols:

- USITT DMX-512, RDM
- ArtNet, MA Net, MA Net2, sACN
- REAP™ - Robe Ethernet Access Portal
- Wireless CRMX™ technology from Lumen Radio
- Epass™: Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity
- RAINS™ (Robe Automatic Ingress Neutralization System) manages humidity, temperature and pressure control using an active monitoring system to automatically remove any moisture detected within the fixture and provides constant monitoring to ensure peak performance
- 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)
- Total heat dissipation: max. 1153 BTU/h (calculated)

## **Noise Levels**

- Sound pressure level:
  - 31 dB(A) at 1 m (quiet mode)
  - 34 dB(A) at 1 m (auto mode)
- Sound power level:
  - 39 dB(A) (quiet mode)
  - 42 dB(A) (auto mode)

## Electrical specification and connections

- Power supply: Electronic auto-ranging
- Input voltage range: 100-240 V, 50/60 Hz
- Power consumption: Max. 450 W
- Power connector in: IP 65 Neutrik powerCON TRUE1 in
- DMX and RDM data in/out: IP 65 Locking 5-pin XLR
- Ethernet port in/out: RJ45, for Embedded Epass™ switch 10/100 Mbps

## Approvals

- CE Compliant
- cETLus Compliant

## Mechanical specification

- Height: 466 mm (18.34") – head in horizontal position
- Width: 353 mm (15.07")
- Depth: 225 mm (8.85") – head in horizontal position
- Weight: 15.5 kg (34.17 lbs)
- Ingress protection rating: IP65

## Rigging

- Mounting positions: 0°, 90°
- 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 2 pcs: 10980033
- Power cord including powerCON TRUE1 In connector:
  - US: 13052277-01
  - EU: 13052276-01

## Optional accessories

- Doughty Trigger Clamp: 17030386
- Safety wire 36 kg: 99011963
- Mounting adapter for one omega holder - black: 10980100
- Mounting adapter for one omega holder - white: 10980129
- Mounting adapter for one omega holder - neutral: 10980113
- 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: 10120320
- Quad Top Loader Case: 10120322
- Foam Shell: 20020467

## Legal

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