

iESPRITE® LTL WB

Inspired by the award-winning iFORTE® LTX WB and maintaining the renowned design and durability of the iSERIES, the smaller and lighter iESPRITE® LTL WB WashBeam luminaire delivers a powerful advantage in its class for live concert-touring, theatrical productions, and broadcast designs, indoors or out.

**Light source**

iSE-TE™ 750W XP White LED Engine
(Patented)

**Light output**

260.000 lx @ 5 m

**Zoom range**

3° - 57° (standard optical range)

2° - 57° (optical zoom + iris)

0.7° - 2° long-throw mode)

**Effects**

CMY colour mixing, Two colour wheels, Full curtain framing shutters, Static and Rotating gobo wheels, Iris, Animation wheel, Two combinable rotating prisms, Two frosts, Motorised zoom and focus



With exceptional form-factor, impressive output, optical precision with an imposing 200mm front lens and rich feature set, this fixture will fit deliver high performance without occupying excessive space or overloading your truss, at just 37.5 kg.

The iESPRITE® LTL WB is available with a choice of patented, IP65-rated iSE-TE™ 750W White LED TRANSFERABLE ENGINES. Choose between the XP (Xtra Performance) engine, which delivers a 6.700 K colour temperature, a fixture output of 35.000 lm (integrating sphere), for an impressive 260.000 lx at 5 m with a CRI of 70 for maximum brightness; or the HCF (High Colour Fidelity) engine, offering a 6.000 K colour temperature, 22.750 lm output (integrating sphere), for illuminance of 140.000 lx at 5 m with an exceptional CRI of 96 for superior colour rendition.

Engineered for durability, the TRANSFERABLE ENGINE delivers stable output, field exchangeability, and possible future LED upgrade capability. Its advanced, stable thermal management system means we can offer a 50.000-hour L70/B50 rating and a 4-year, 20.000-hour warranty. iESPRITE® LTL WB is designed to endure.

The innovative optical design offers remarkable versatility. The standard Optical Range Mode delivers a zoom range of 3° - 57°, while narrowing the iris allows coverage from 2° - 57°. The Long-Throw Mode, using patented xR7™ technology, provides an ultra-tight beam from 0.7 - 2° incredibly without any intensity loss usually found when engaging an iris over long distances.

The iESPRITE® LTL WB's CMY colour mixing system, combined with dual colour wheels and a variable CTO range of 3.000 to 6.700K, ensures seamless transitions from bold saturates to delicate pastels. ChromaTint™ patented green content control technology allows rapid adjustment for broadcast users environments.

The luminaire is packed with effects, including rotating and static gobo wheels, an aluminium animation wheel with variable speed and directional control, and two stackable prisms—a six-facet circular and a six-facet linear. Two MagFrost™ interchangeable frosts, at 1° and 5°, enhance its versatility. Precision framing is achieved with the PLANO4™ FC system, which offers four-plane blade control, full curtain capability, and module rotation up to 120 degrees.

Advanced features like our L3™ Low Light Linearity 18-bit dimming system, Cpulse™ flicker-free management for compatibility with modern camera systems, and Epass™ network connectivity safeguards ensure smooth, reliable operation in any scenario.

The luminaire features camFIT™, meaning it is pre-wired and pre-balanced for the addition of the dedicated IP65-rated RoboSpot™ camera if required. Together with EMS™ (Electronic Motion Stabiliser) technology for instant stop and hysteresis elimination, it's the perfect medium to long-throw RoboSpot™ partner.

Removing the need for pre-use pan and tilt calibration, MAPS™ (motionless Absolute Positioning System) allows fixtures to be calibrated without movement. This also removes audience distraction while resetting during a performance.

Robe's patented RAINS™ protection system actively manages the fixtures internal microclimate to prevent moisture buildup, ensuring reliability in outdoor use. The self-pressure test function verifies seals and locking screws in under three minutes, requiring no special tools for easy maintenance.

To maintain consistent optical performance, the unique parCoat™ lens coating repels water, dirt, dust, haze, and smoke from the front lens while allowing easy cleaning without damage. For extreme cold conditions, patented standby POLAR+ technology keeps sensors and communication channels active and ensures instant operability in temperatures as low as -50 degrees Celsius.

Remote control and monitoring are enabled through REAP™, (Robe Ethernet Access Portal), which provides real-time fixture data and diagnostics. NFC technology allows setup and adjustments directly from your mobile device using the Robe Com app, even when the fixture is unpowered.

For easier handling of larger fixtures, optional clip on/off handles are available.

The iESPRITE® LTL WB combines unmatched power, precision, and durability in a single package, delivering exceptional WashBeam and long-throw follow-spot performance for indoor and outdoor use.

iESPRITE® LTL WB - Robe reliability in all weathers

Technical Specification

Source

Light source type: iSE-TE™ 750W XP White LED Engine (Patented)

- XP - Xtra Performance Engine for maximum light output and optimal colour characteristics
- LED Engine output: 57.000 lm
- Fixture total lumen output:
 - 35.000 lm (integrating sphere)
 - 27.500 lm (goniophotometer)
- Colour temperature output: 6.700 K
- CRI: 70, remotely selectable filters for CRI 80 and CRI 90
- Illuminance: 260.000 lx @ 5 m

Light source type: iSE-TE™ 750W HCF White LED Engine (Patented)

- HCF - High Colour Fidelity Engine for the best light quality and colour rendition
- LED Engine output: 37.000 lm
- Fixture total lumen output:
 - 22.750 lm (integrating sphere)
 - 17.900 lm (goniophotometer)
- Colour temperature output: 6.000K
- CRI: 96, TLCI: 97, TM-30-18 Rf: 92, TM-30-18 Rg: 99
- Illuminance: 140.000 lx @ 5 m

LED life expectancy: min. 50.000 hours

Colour temperature: 6.700K

Typical lumen maintenance: L70/B50 @ 50.000 hours

Light source warranty: 4 years or 20.000 hours

Optical system

Robe's proprietary optical design

High-efficiency 13-lens zoom optical system, ratio: 19:1

Zoom range:

- 3° - 57° (standard optical range)
- 2° - 57° (optical zoom + iris)
- 0.7° - 2° (long-throw mode)

Output lens diameter: 200 mm

parCoat™ (particle resistant coating) unique hydrophobic and oleophobic coating helps prevent water, dirt, dust, haze and smoke from adhering to the output lens

Dynamic Effects and Features

Cyan: 0 - 100%

Magenta: 0 - 100%

Yellow: 0 - 100%

Variable CTO: 3.000K - 6.700K

Colour Wheel 1: 5 fixed dichroic colours + white

Colour Wheel 2: 5 fixed dichroic colours + white

ChromaTint™ - Patented plus / minus green correction function

Full curtain framing shutters: Patented Plano4 FC™ framing shutters module with 4 individually positionable blades plus rotation of the complete framing system $\pm 60^\circ$

Static gobo wheel: 9 static and replaceable gobos + open

Rotating gobo wheel: 7 rotating, indexable and replaceable

Animation wheel: Aluminium animation wheel, used alone or in combination with gobos, rotating in both directions at variable speed

MLP™ - Patented Multi-Level Prisms allow multiple prisms to be "stacked" while retaining individual speed and direction control. With variable shape and size it creates unlimited dynamic, multi-level flower and beam effects:

- Prism 1: Independent 6 facet linear prism rotating in both directions at variable speed
- Prism 2: Independent 6 facet circular prism rotating in both directions at variable speed

Iris: Motorized, stepless, pulse effects up to 3 Hz

MagFrost™ - magnetic paddle fast change system providing exchangeable frosts containing as standard a very light 1° for instant softening of the projected gobo or framing shutters, and a medium 5° for even wash, both specifically selected for theatre and TV use

Motorised zoom and focus

Electronic strobe effect with variable speed up to 20 Hz

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

xR7™ eXtreme Reach Follow Spot technology enables you to achieve unprecedented light levels, even the narrowest beam angle of 0.7 degrees

CamFit™ Prewired for later camera installation

UpLift™: To ease handling, clip on UpLift handles are designed to ease the burden. Handles are easily attached and removed, greatly easing carrying and lifting of larger fixtures.

AERIS™ (Airborne Emission Removal In-head System) keeps surfaces pristine and extends service intervals, significantly lowering ownership costs.

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 2 editable programs (each up to 80 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

Epas™: 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: 1

Control channels: 53

Pan & Tilt resolution: 16 bit

CMY & CTO: 8 bit

+ - Green correction: 8 bit

Colour wheel positioning: 8 or 16 bit

Static gobo wheel positioning: 8 or 16 bit

Rotating gobo wheel positioning: 8 bit

Gobo indexing & rotation: 8 or 16 bit

Animation wheel: 8 bit

Animation wheel rotation: 8 bit

Prism indexing & rotation: 8 bit

Iris: 8 or 16 bit

Frost: 8 bit

Zoom: 8 or 16 bit

Focus: 8 or 16 bit

Dimmer: 16 bit (internal 18 bit)

Movement

Pan movement: 540°

Tilt movement: 270°

Controllable speed of Pan & Tilt movement

EMS™: Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement or vibration (Patented)

Automatic Pan & Tilt position correction

MAPS™ - Motionless absolute positioning system for Pan and Tilt (Patented)

Rotating gobos

Glass gobos: 7 rotating gobos + open
Outside diameter: 21.3 mm
Image diameter: 18 mm
Thickness: 1 mm
Max. thickness: 3.5 mm
High temperature borofloat or better glass
Patented slot & lock system for easy replacement of gobos

Static gobos

patented slot & lock system for easy replacement of gobos
Aluminium wheel with 9 fixed gobos + open position

Effect wheel

Single animation wheel
Material: Aluminium
Can be used alone or in combination with rotating gobos
Rotating in both directions at variable speed

Framing shutters system

Full curtain framing shutters: 4 Blades, each with separate movement and rotation control
Movement: Smooth with variable speed, ultrafast blade movements for creating mid-air effects
Rotation: +- 60° of the complete framing system

Thermal specification

Maximum ambient temperature: 50°C (122°F)
Maximum surface temperature: 80 °C (176 °F)
Minimum operating temperature: -50°C (-58°F)

Electrical specification and connections

Power supply: Electronic auto-ranging

Input voltage range: 100-240 V, 50/60 Hz

Power consumption: max. 950 W

Power connector in: Neutrik powerCON TRUE1

DMX and RDM data in/out: IP65 Locking 3-pin & 5-pin XLR connectors

Ethernet port in/out: IP65 RJ45, for Embedded Epass™ switch 10/100 Mbps

USB connector (series C) for lightmaster purposes

Approvals

CE Compliant

cETLus Compliant

Mechanical specification

Height: 760 mm (29.92") - head in vertical position

Width: 458 mm (18.03")

Depth: 289 mm (11.37") - head in vertical position

Weight: 37.5 kg (82.7 lbs)

Ingress protection rating: IP65

Rigging

Mounting positions: Horizontally or vertically

Mounting points: 5 pairs of 1/4-turn locking points

2x Omega adaptors with 1/4-turn quick locks

Universal operating position

Safety cable attachment point

Pan & Tilt transport locks

Included items

User Manual

Omega Adaptor CL-regular 2 pcs: 10980033

Power cord including powerCON TRUE1 In connector

Balancing Weight Cover for CamFit: 10981009

Optional accessories

iESPRITE LTL WB iSE-TE™ 750W XP White LED Engine: 14080103

iESPRITE LTL WB iSE-TE™ 750W HCF White LED Engine: 14080108

CamFit kit: 10980885

Doughty Trigger Clamp: 17030386

Omega T CL adaptér (2 ks): 10980184

UpLift™ Removable Handles (2 pcs): 10981219

Frost 0.5° (exchange) assembled: 10980583

Frost 10° (exchange) assembled: 10980497

Frost 20° (exchange) assembled: 10980574

Frost 30° (exchange) assembled: 10980584

Safety wire 36 kg

Single Top Loader Case

Dual Top Loader Case

Foam Shell

Legal

iESPRITE® is a Registered Trademark of Robe lighting s. r. o.

iESPRITE® LTL WB is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents

Gobos&Colours

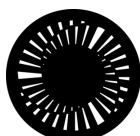
Rotating Gobo Wheel



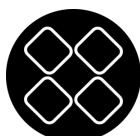
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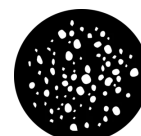
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Fixed Gobo Wheel



15020070



15020071



15020072



15020073



15020074



15020075



15020076



15020077



15020078

Colour Wheel 1



14070463-01



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14070465



14070466



14070467

Colour Wheel 2



14070473-6



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