

iPAINTE® LTM WB

Don't be fooled by its size, the diminutive iPAINTE® LTM punches way above its size and weight. This little powerhouse will never fail to amaze with its power, precision and effects display. Taking up little space on your truss, its capable of making big statements!

**Light source**

iSE-TE™ 500W XP White LED engine

**Light output**

23.000 lm (integrating sphere)

18.500 lm (goniophotometer)

**Zoom range**

3° - 53°

**Effects**

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



Combining exceptional optical quality together with a comprehensive feature set, this 30 kg fixture maximizes WashBeam flexibility and performance from its compact frame.

The innovative optical design offers remarkable versatility. With its 170mm front lens and 2:1 field ratio, the iPAINTE® LTM enhances optical flexibility with a zoom range of 3°- 53°, narrowing the iris allows coverage from 2°- 53°. In Long-Throw Mode, using patented XR7™ technology, its provides ultra-tight beams from 0.7°-2°, incredibly without any intensity loss usually found when engaging an iris.

An IP65-rated iSE-TE™ 500W White XP (Xtra Performance) LED TRANSFERABLE ENGINE generates an impressive 170.000 lx. Built for longevity, TRANSFERABLE ENGINE technology offers field exchangeability, a 50.000-hour L70/B50 rating, and a 4-year, 20.000-hour warranty. Data harvesting ensures instant engine performance data and history, even when the engine is stored on a shelf, via the Robe Com app.

CMY colour mixing, colour wheel, a variable CTO (3.000-6.700K), and ChromaTint™ green content control ensure flawless colour generation, transitions and control, whatever the shade you desire.

Packed with effects - one static and one rotating fully indexable gobo wheels; rotating prism, MagFrost™ 1° and 5° interchangeable frosts, and the PLANO4 FC™ full-curtain framing system with 120° module rotation - the luminaire offers a multitude of designer effect and beam control options.

Advanced features include L3™ 18-bit dimming; Cpulse™ flicker-free management, and Epass™ pass-through switching for network connectivity protection.

Other features include EMS™ stabilization for instant stop capability; MAPS™ motionless calibration for discreet power cycling without movement, and RAINS™ internal active microclimate management for maximum all environment protection. The parCoat™ lens coating repels water and dirt, while POLAR+™ standby mode ensures functionality down to -50°C.

Remote control and network monitoring are enabled via REAP™ and NFC control for mobile device adjustments.

The iPAINTE® LTM WashBeam delivers exception workhorse WashBeam performance, built to excel in any environment.

iPAINTE® LTM WB - Robe reliability in all weathers

Technical Specification

Source

Light source type: iSE-TE™ 500W XP White LED Engine (Patented):

- XP - Xtra Performance Engine for maximum light output and optimal colour characteristics
- LED Engine output: 46.400 lm
- Fixture total lumen output:
 - 23.000 lm (integrating sphere)
 - 18.500 lm (goniophotometer)
- Colour temperature output: 6.700 K
- CRI: 70, remotely selectable filters for CRI 80 and CRI 90
- Illuminance: 170.000 lx @ 5 m

Light source type: iSE-TE™ 500W HCF White LED Engine (Patented):

- HCF - High Colour Fidelity Engine for the best light quality and colour rendition
- LED Engine output: 30.200 lm
- Fixture total lumen output:
 - 15.000 lm (integrating sphere)
 - 12.000 lm (goniophotometer)
- Colour temperature output: 6.000K
- CRI: 97, TLCI: 97, TM-30-18 Rf: 92, TM-30-18 Rg: 99
- Illuminance: 128.000 lx @ 5 m

LED life expectancy: min. 50.000 hours

Colour temperature: 6.500K

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: 17:1

Zoom range:

- 3° - 53° (Standard optical range)
- 2° - 53° (Optical zoom + iris)
- 0.7° - 2° (Long-Throw mode)

Output lens diameter: 170 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%

Virtual CTO: 3.000K - 6.700K

Colour Wheel: 9 dichroic filters + white

ChromaTint™ - Patented plus / minus green correction function

Full curtain framing shutters: Patented Plano4™ framing shutters module with 4 individually positionable blades plus rotation of the complete framing system + -60°

Static gobo wheel: 8 gobos + open

Rotating gobo wheel: 7 rotating, indexable and replaceable breakup and aerial gobos + beam reducer + open, patented slot & lock system

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

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

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: 1

Control channels: 51

Pan & Tilt resolution: 16 bit

CMY & CTO: 8 bit

+ - Green correction: 8 bit

Colour 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 + beam reducer
Outside diameter: 21,3 mm
Image diameter: 14 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

Aluminium wheel with fixed gobos: 8 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. 750 W
Power connector in/out: Neutrik powerCON TRUE1 in/out
DMX and RDM data in/out: IP65 Locking 3-pin & 5-pin XLR connectors
Ethernet port out: IP65 RJ45 - camera video output
Ethernet port in/out: IP65 RJ45, for Embedded Epass™ switch 10/100 Mbps - on request

Approvals

CE Compliant

cETLus Compliant

Mechanical specification

Height: 699 mm (27.5")

Width: 408 mm (16.1")

Depth: 257 mm (10.1")

Weight: 29.9 kg (65.9 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

Optional accessories

iPAINTE LTM WB iSE-TE™ 500W XP White LED Engine: 14080105

Doughty Trigger Clamp: 17030386

Omega Adaptor T CL (2pcs): 10980184

UpLift™ Removable Handles (2 pcs): 10981219

Frost 0.5° (exchange) assembled: 10981333

Frost 1° (exchange) assembled: 10981334

Frost 3.5° (exchange) assembled: 10981335

Frost 5° (exchange) assembled: 10981336

Frost 10° (exchange) assembled: 10981337

Frost 20° (exchange) assembled: 10981338

Frost 30° (exchange) assembled: 10981339

Safety wire 36 kg

Single Top Loader Case: 10120383

Dual Top Loader Case: 10120384

Quad Top Loader Case: 10120385

Foam Shell

Legal

iPAINTE® is Registered Trademark of Robe lighting s. r. o.

iPAINTE® LTM 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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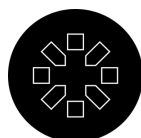
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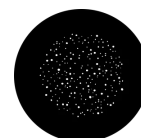
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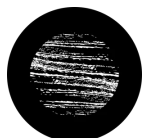
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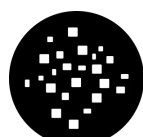


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Static Gobo Wheel



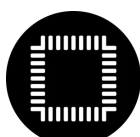
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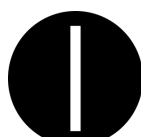
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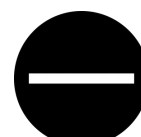
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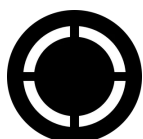
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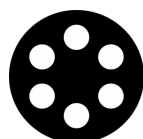
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Colour Wheel



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