ROBE lighting s.r.o., Hazovice 2090
75661 Roznov pod Radhostem
Czech Republic

Tel: +420-571-751500
Fax: +420-571-751515
Email: info@robe.cz

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

ROBE lighting s.r.o., Hazovice 2090
75661 Roznov pod Radhostem
Czech Republic

Tel: +420-571-751500
Fax: +420-571-751515
Email: info@robe.cz

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
- AirLOC™ (Less Optical Cleaning) technology greatly reduces the level of airborne particles drawn over the optical elements. This increases the overall performance, light quality and time between routine cleaning and maintenance.
- 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

ROBE lighting s.r.o., Hazovice 2090
75661 Roznov pod Radhostem
Czech Republic

Tel: +420-571-751500
Fax: +420-571-751515
Email: info@robe.cz

Gobos&Colours

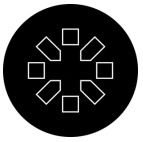
Rotating Gobo Wheel

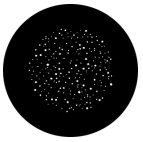
15020085

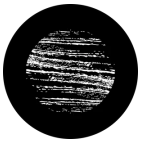
15020086-01

15020092

15020093

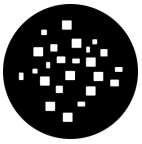

15020087


15020094

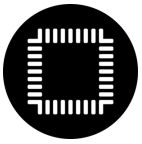

15020090

Static Gobo Wheel

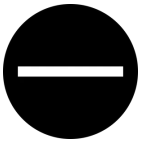
11020278-1


11020278-2

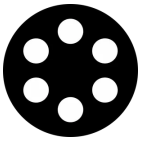
11020278-3


11020278-4

11020278-5


11020278-6

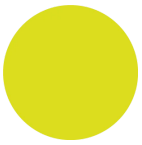
11020278-7


11020278-8

Colour Wheel

14070556

14070555


14070554

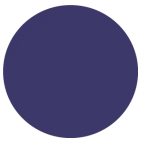
14070553

14070583

99019059-6

14070551

14070550


14070582