

# **PAINTE**<sup>®</sup>

PAINTE<sup>®</sup> delivers the perfect compact, quiet, quality profile solution for short to medium throw scenarios in theatrical, television, installation, live or corporate settings to create your masterpiece!



#### Light source

TE<sup>™</sup> 310W White LED TRANSFERABLE ENGINE



#### Light output

15.200 lm, 23.485 lx @ 5m, Cpulse<sup>™</sup> special flicker free management for HD and UHD cameras, ready for 8K and 16K



#### Zoom range

8° - 48°



### Effects

Static and rotating gobo wheel, Full curtain framing shutters, Prism

Whether broad brush strokes or adding the finest detail, PAINTE<sup>®</sup> delivers the master's touch. Colours are boundless via the advanced CMY colour mixing system. From its compact frame, PAINTE<sup>®</sup> punches way above its weight, with an impressive 15.200-lumen fixture output of sparkling, clear, white light.

Designed for noise-sensitive environments, PAINTE<sup>®</sup> features the TE<sup>™</sup> 310W HP White LED engine from our groundbreaking TRANSFERABLE ENGINE technology. The high-performance engine gives you the ability to easily maintain light quality and consistency across your inventory.

The motorised zoom gives a range of 8° - 48°, perfect for short to medium throw applications.

Precise beam control is via our highly advanced, patented, Plano4 FC<sup>™</sup> four individual plane shutter system. With 120degree module rotation, each individual blade has a full curtain effect capability.

PAINTE<sup>®</sup> is packed with Robe innovation including CPulse<sup>™</sup> flicker-free management system and ChromaTint<sup>™</sup> green/magenta content control for the latest camera systems; L3<sup>™</sup> Low Light Linearity dimming software for imperceptible fades to black; AirLOC<sup>™</sup> (Less Optical Cleaning) technology keeping the optical elements in pristine condition for far longer; EMS<sup>™</sup> Electronic Motion Stabiliser technology for enhanced fixture stability.



The fast, feature-packed, small footprint PAINTE<sup>®</sup> lets you brush in the finest detail or boldest statement with Robe quality.



# **Technical Specification**

#### Source

- Light source type: TE<sup>™</sup> 310W HP White LED Engine (Patented):
  - HP High Performance Engine for maximum light output and optimal colour characteristics
  - LED Engine output: 18.500 lm
  - Fixture total lumen output:
    - 15.200 lm (integrating sphere)
    - 12.250 lm (goniophotometer)
  - Colour temperature output: 6.700 K
  - CRI: 70, remotely selectable filter for CRI 90
  - Illuminance: 23.485 lx @ 5 m
- Light source type: TE™ 310W HCF White LED Engine (Patented):
  - HCF High Colour Fidelity Engine for the best light quality and colour rendition
  - LED Engine output: 13.000 lm
  - Fixture total lumen output:
    - 9.800 lm (integrating sphere)
    - 7.800 lm (goniophotometer)
  - Colour temperature output: 6.000 K
  - CRI: 96, TLCI: 97, TM-30-18 Rf: 92, TM-30-18 Rg: 99
  - Illuminance: 15.289 lx @ 5 m
- Light source type: TE<sup>™</sup> 310W TGW White LED Engine (Patented):
  - TGW Simulates the comforting warmth of tungsten lighting
  - LED Engine output: 10.500 lm
  - Fixture total lumen output:
    - 8.400 lm (integrating sphere)
    - 6.700 lm (goniophotometer)
  - Colour temperature output: 3.200 K
  - CRI: 96, TLCI: 95, TM-30-18 Rf: 93, TM-30-18 Rg: 103
  - Illuminance: 13.100 lx @ 5 m
- LED life expectancy: min. 50.000 hours
- 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: 6:1
- Zoom range: 8°- 48°
- Output lens diameter: 110 mm

#### **Dynamic Effects and Features**

- Cyan: 0 100%
- Magenta: 0 100%
- Yellow: 0 100%
- ChromaTint<sup>™</sup> Patented plus / minus green correction function
- Virtual CTO
- Colour Wheel: 9 dichroic filters + white
- Rotating gobo wheel: 8 rotating, indexable and replaceable breakup and aerial gobos + open, patented slot & lock system
- Static gobo wheel: 9 gobos + open
- Full curtain framing shutters: Patented Plano4 FC<sup>™</sup> framing shutters module with 4 individually positionable blades plus rotation of the complete framing system +-60°
- Prism: 8-facet prism rotating in both directions at variable speed
- Iris: Motorized, stepless, pulse effects up to 3 Hz
- MagFrost<sup>™</sup> magnetic paddle fast change system providing exchangeable frost containing as standard a medium 5° for even wash
- Motorized zoom and focus
- Electronic strobe effect with variable speed up to 20 Hz
- Extremely quiet operation suitable for all types of production in Theatre and TV
- L3<sup>™</sup> (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth fade to black
- Cpulse<sup>™</sup> special flicker-free management for HD and UHD cameras, ready for 8K and 16K
- AirLOC<sup>™</sup> (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.



### **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

- Protocols:
  - USITT DMX-512, RDM
  - ArtNet, MA Net, MA Net2, sACN
- REAP<sup>™</sup> Robe Ethernet Access Portal
- Wireless CRMX<sup>™</sup> technology from Lumen Radio on request
- Epass<sup>™</sup>: 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: 44, 45
- Pan & Tilt resolution: 16 bit
- CMY: 8 bit
- Framing shutters module movement & rotation: 8 bit
- Rotating gobo wheel positioning: 8 bit
- Gobo indexing & rotation: 8 or 16 bit
- Static gobo wheel positioning: 8 or 16 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



#### **Rotating gobos**

- Glass gobos: 8 rotating gobos + open
- Outside diameter: 15.9 mm
- Image diameter: 12.5 mm
- Thickness: 1.1 mm
- High temperature borofloat or better glass
- Patented slot & lock system for easy replacement of gobos

#### **Static gobos**

• Aluminium wheel with fixed gobos: 9 gobos + open position

#### 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: 45 °C (113 °F)
- Maximum surface temperature: 80 °C (176 °F)
- Minimum operating temperature: -5 °C (23 °F)
- Total heat dissipation: max. 1126 BTU/h (calculated)

#### **Electrical specification and connections**

- Power supply: Electronic auto-ranging
- Input voltage range: 100-240 V, 50/60 Hz
- Power consumption: max. 440 W
- Power connector in: Neutrik powerCON TRUE1
- DMX and RDM data in/out: Locking 5-pin XLR
- Ethernet port in: RJ45
- Ethernet port in/out: RJ45 for Embedded Epass™ switch 10/100 Mbps on request

# Approvals

- CE Compliant
- cETLus Compliant



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#### **Mechanical specification**

- Height: 619 mm (24.4") Head in vertical position
- Width: 367 mm (14.4")
- Depth: 219 mm (8.6") Head in vertical position
- Weight: 19.6 kg (43.2 lbs)
- Ingress protection rating: IP20

### Rigging

- Mounting positions: Horizontally or vertically
- Universal operating position
- Mounting points: 2 pairs of 1/4-turn locking points
- 2x Omega adaptors with 1/4-turn quick locks
- Pan & Tilt transport locks

#### **Included** items

- User Manual
- Omega Adaptor CL-regular 2 pcs
- Power cord including powerCON TRUE1 In connector



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#### **Optional accessories**

- PAINTE TE<sup>™</sup> 310W HP White LED Engine: 14080078
- PAINTE TE<sup>™</sup> 310W HCF White LED Engine: 14080083
- PAINTE TE<sup>™</sup> 310W TGW White LED Engine: 14080099
- Gel frame adaptor: 10981120
- Top hat: 10981121
- Frost 0.5° (exchange) assembled: 10980690
- Frost 1° (exchange) assembled: 10980691
- Frost 3.5° (exchange) assembled: 10980758
- Frost 10° (exchange) assembled: 10980693
- Frost 20° (exchange) assembled: 10980694
- Frost 30° (exchange) assembled: 10980695
- Daisy Chain powerCON TRUE1 In/Out, EU, 2m, Indoor: 13052439
- Daisy Chain powerCON TRUE1 In/Out, US, 2m, Indoor: 13052440
- Daisy Chain powerCON TRUE1 In/Out, EU, 5m, Indoor: 13052444
- Drop-in module open gate: 10981137
- Upgrade kit CRMX Universal 260: 99030100
- Upgrade kit EPASS Painte: 99030449
- Doughty Trigger Clamp: 17030386
- Safety wire 36 kg: 99011963
- Single Top Loader Case: 10120287-01
- Dual Top Loader Case: 10120288-01
- Quad Top Loader Case: 10120289-01
- Foam Shell: 20020444-01

#### Legal

- $PAINTE^{\circ}$  is a Trademark of Robe lighting s. r. o.
- PAINTE® is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents



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# Gobos&Colours

## **Rotating Gobo Wheel**















15020441



15020443

15020444

15020445

15020446





15020447

15020448

# Fixed Gobo Wheel, Detail

11020278-1	11020278-2	11020278-3	11020278-4	11020278-5	11020278-6
11020278-7	11020278-8	11020278-9			
Colour Wheel					
14070504	14070505	14070506	14070507	14070508	14070509

14070512-5

14070510

14070511