

# PAINTE® Fresnel

Perfection is not limited by size. Our PAINTE® Fresnel delivers the perfect compact, quiet, quality wash solution for short to medium-throw applications in theatrical, television, installation, live or corporate settings to create your masterpiece!

**Light source**

TE™ 310W HP White LED Engine (Patented)

**Light output**

10.850 lm (integrating sphere), 8.670 lm (goniophotometer)

**Zoom range**

6° - 50°

**Effects**

4Door™ Internal barndoor system with +/- 90° rotation, Cpulse™ - Flicker Free Management, L3™ dimming system for ultra-smooth fade to black, RotaScrim, AirLOC™ (Less Optical Cleaning), MagFrost™ - Magnetic paddle fast change system



Artists require a vast colour palette. PAINTE® Fresnel colours are boundless with the advanced CMY colour mixing system, a colour wheel featuring nine dichroic colours, variable CTO and ChromaTint™ green/magenta content control.

Designed for noise-sensitive environments with an appropriate suite of fan controls, PAINTE® Fresnel features a choice of TE™ 310W HP (High Performance) White LED for maximised output of 10.850 lm (integrating sphere) or TE™ 310W HCF (High Colour Fidelity) engines for the best possible colour rendition with an inherent CRI of 96. TRANSFERABLE ENGINE technology gives you interchangeable task-specific solutions, combined with the ability to maintain light quality and consistency across your inventory.

With all the softness of a classic Fresnel beam, the motorised 8.3:1 ratio zoom produces a range of 6°- 50° from its 150mm Fresnel lens, making it the perfect compact wash luminaire.

The PAINTE<sup>®</sup> Fresnel features unsurpassed levels of beam control for a fixture of its class, including medium and light frosts; RotaScrim<sup>™</sup> graduated filter with position control, +/- 180° rotation and edge colour correction; the rapid 4Door<sup>™</sup> internal barndoor system for accurate individual leaf control and +/- 90° module rotation to ensure maximum flexibility.

PPAINTE<sup>®</sup> Fresnel is packed with Robe innovation including Cpulse<sup>™</sup> flicker-free management for the latest cameras; 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.

**Sleek and feature-packed, our Robe PAINTE<sup>®</sup> Fresnel lets you wash your creations with a master's touch!**

# Technical Specification

## Source

- Light source type: TE™ 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:
    - 10.850 lm (integrating sphere)
    - 8.670 lm (goniophotometer)
  - Colour temperature output: 6.700 K
  - CRI: 70, remotely selectable filter for CRI 90
  - Illuminance: 20.500 lx @ 5 m
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- Light source type: TE™ 310W HCF White LED Engine (Patented):

## Optical system

- Robe's proprietary optical design
- High-efficiency 13-lens zoom optical system, ratio: 8.3:1
- Zoom range: 6 - 50°
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## Dynamic Effects and Features

- Cyan: 0 - 100%
- Magenta: 0 - 100%
- Yellow: 0 - 100%
- Cyan: 0 - 100%
- Magenta: 0 - 100%
- Yellow: 0 - 100%

## 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:
- 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:

## Movement

- Pan movement: 540°
- Tilt movement: 270°
- Controllable speed of Pan & Tilt movement
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- Tilt movement: 270°
- Controllable speed of Pan & Tilt movement

## Internal barndoors

- Patented 4Door™ internal barndoors module
- Blades: 4 blades, each with separate movement control
- Rotation: +/- 90° module rotation
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- Blades: 4 blades, each with separate movement control
- Rotation: +/- 90° module rotation

## Internal Scrim

- Patented RotaScrim™ internal Scrim module
- Graduated filter position control
- Rotation: +/- 180° of the entire module
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- Graduated filter position control
- Rotation: +/- 180° of the entire module

## Thermal specification

- Maximum ambient temperature: 45 °C (113 °F)
- Maximum surface temperature: 80 °C (176 °F)
- Minimum operating temperature: -5 °C (23 °F)
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- Maximum surface temperature: 80 °C (176 °F)
- Minimum operating temperature: -5 °C (23 °F)

## Electrical specification and connections

- Power supply: Electronic auto-ranging
- Input voltage range: 100-240 V, 50/60 Hz
- Power consumption: max. 440 W
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- Power consumption: max. 440 W

## Approvals

- CE Compliant
- cETLus Compliant
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- cETLus Compliant

## Mechanical specification

- Height: 619mm (24.4") - Head in vertical position
- Width: 367 mm (14.4")
- Depth: 219mm (8.6") - Head in vertical position
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- Width: 367 mm (14.4")
- Depth: 219mm (8.6") - Head in vertical position

## Rigging

- Mounting positions: Horizontally or vertically
- Universal operating position
- Mounting points: 2 pairs of 1/4-turn locking points
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- Universal operating position
- Mounting points: 2 pairs of 1/4-turn locking points

## Included items

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

## Optional accessories

- PAINTE TE™ 310W HP White LED Engine: 14080078
- PAINTE TE™ 310W HCF White LED Engine: 14080083
- PAINTE TE™ 310W TGW White LED Engine: 14080099
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- PAINTE TE™ 310W HCF White LED Engine: 14080083
- PAINTE TE™ 310W TGW White LED Engine: 14080099

## Legal

- PAINTE® Fresnel is Registered Trademark of Robe lighting s. r. o.
- PAINTE® Fresnel is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents
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