

# ESPRITE®

Robe, the recognised leader in moving light technology, has made another major leap in innovation. The new ESPRITE® Profile LED automated luminaire has a fast-change, low-cost, transferable light engine ingeniously solving the problem of performance longevity for those preferring the higher brightness of white source LEDs as an obvious replacement for their aging stock of discharge workhorses.

**Light source**

TE™ 650W White LED TRANSFERABLE ENGINE

**Light output**

up to 34.000 lm, 85.000 lx @ 5m, Cpulse™ special flicker free management for HD and UHD cameras, ready for 8K and 16K

**Zoom range**

5.5° - 50°

**Effects**

Static and rotating gobo wheel, Animation wheel, Framing shutters, Prism



With our unique, ground-breaking TRANSFERABLE ENGINE technology, you have a choice of engines. The TE™ 650W HP White LED Engine (HP - High Performance), producing the highest output possible, or the TE™ 650W HCF White LED Engine (HCF - High Colour Fidelity) for those requiring exceptional colour quality. Now you can fit either engine within the same fixture, without alignment or warranty issues, within five minutes! Without the expense, and complication of needing to have separate luminaires with differing sources, TRANSFERABLE ENGINES give you the right engine, in the right fixture, at the right time!

The revolutionary self-referencing, data capturing engines are all designed, developed and manufactured within our own factory (Patents pending). Performance has not been compromised, with the TE™ 650W HP White 6.700 K LED Engine producing a piercing 34.000 lm and the TE™ 650W HCF White 6.000 K LED Engine 24.000 lm with its exceptionally high inherent CRI of 96. The L70/B50 ratings of 50.000 hours, means longevity is assured.

This is enhanced by our legendary precision optics to produce crystal clear white light. The comprehensive feature set includes: Flat field CMY mixing; variable CTO; remotely selectable CRI 70/80/90 (HP Engine); two fast colour wheels; rotating and static gobo wheels; 6-facet rotating prism; 1° soft edge and 5° even wash frosts; an animation wheel and spectacular multi-colour effects. Quick, accurate, easy framing is provided via our patented fast framing shutter module with individual blade control and +/-60° rotation capability for extra fine control. The ESPRITE<sup>®</sup> Profile by design removes any airflow over the optics, resulting in reduced residue deposits thus extending periods between cleaning.

Furthermore, the unique Hot-Spot feature allows you to move from a flat field beam to a 6:1 ratio hot-spot beam giving uniform intensity when overlaying beam edges to create smooth washes of light. The Cpulse<sup>™</sup> flicker-free management system operates beautifully with the latest HD and UHD camera systems, and our L3<sup>™</sup> Low Light Linearity dimming for ultra-smooth fade to black for seamless integration into traditional lighting rigs.

# Technical Specification

## Source

- Light source type: TE™ 650W HP White LED Engine (Patented)
  - HP - High Performance Engine for maximum light output and optimal colour characteristics
  - LED Engine output: 55.000 lm
  - Fixture total lumen output:
    - 34.000 lm (integrating sphere)
    - 27.000 lm (goniophotometer)
  - Colour temperature output: 6.700 K
  - CRI: 70, remotely selectable filters for CRI 80 and CRI 90
  - Illuminance: 85.000 lx @ 5 m
- Light source type: TE™ 650W HCF White LED Engine (Patented)
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  - HP - High Performance Engine for maximum light output and optimal colour characteristics
  - LED Engine output: 55.000 lm
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  - Colour temperature output: 6.700 K
  - CRI: 70, remotely selectable filters for CRI 80 and CRI 90
  - Illuminance: 85.000 lx @ 5 m
- Light source type: TE™ 650W HCF White LED Engine (Patented)

## Optical system

- Robe's proprietary optical design
- High-efficiency 13-lens zoom optical system, ratio: 9:1
- Zoom range: 5.5° - 50°
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- Zoom range: 5.5° - 50°

## 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: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN
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## Movement

- Pan movement: 540°
- Tilt movement: 265°
- Movement control: Standard and Speed
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- Tilt movement: 265°
- Movement control: Standard and Speed

## Rotating gobos

- 7x rotating glass gobos
- Outside diameter: 26.8 mm
- Image diameter: 23.5 mm
- 7x rotating glass gobos
- Outside diameter: 26.8 mm
- Image diameter: 23.5 mm

## Static gobos

- 9x static glass gobos
- Outside diameter: 26.8 mm
- Image diameter: 23.5 mm
- 9x static glass gobos
- Outside diameter: 26.8 mm
- Image diameter: 23.5 mm

## Effect wheel

- Single animation wheel
- Material: Aluminium
- Can be used alone or in combination with rotating gobos
- Single animation wheel
- Material: Aluminium
- Can be used alone or in combination with rotating gobos

## Framing shutters system

- Patented Plano4™ framing shutters module
- Shutters: 4 Blades, each with separate movement and +- 25° rotation control
- Movement: Smooth with variable speed, ultrafast blade movements for creating mid-air effects
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- Shutters: 4 Blades, each with separate movement and +- 25° rotation control
- Movement: Smooth with variable speed, ultrafast blade movements for creating mid-air effects

## 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)

## Noise Levels

- Sound pressure level:
  - 27 dB(A) at 1 m (quiet mode)
  - 42 dB(A) at 1 m (auto mode)
- Sound power level:
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  - 27 dB(A) at 1 m (quiet mode)
  - 42 dB(A) at 1 m (auto mode)
- Sound power level:

## Electrical specification and connections

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

## Approvals

- CE Compliant
- cETLus Compliant
- CE Compliant
- cETLus Compliant

## Mechanical specification

- Height: 733 mm (28.9") - head in vertical position
- Width: 443 mm (17.4")
- Depth: 264 mm (10.4") - head in vertical position
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- Width: 443 mm (17.4")
- Depth: 264 mm (10.4") - head in vertical position

## Rigging

- Mounting positions: Horizontally or vertically
- Universal operating position
- Mounting points: 5 pairs of 1/4-turn locking points

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

### **Included items**

- User Manual
- Omega Adaptor CL-regular 2 pcs: 10980033
- Power cord including powerCON TRUE1 In connector
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- Power cord including powerCON TRUE1 In connector

### **Optional accessories**

- ESPRITE TE™ 650W HP White LED Engine: 14080066
- ESPRITE TE™ 650W HCF White LED Engine: 14080071
- ESPRITE TE™ 650W TGW White LED Engine: 14080079
- ESPRITE TE™ 650W HP White LED Engine: 14080066
- ESPRITE TE™ 650W HCF White LED Engine: 14080071
- ESPRITE TE™ 650W TGW White LED Engine: 14080079

### **Legal**

- ESPRITE® is a Trademark of Robe lighting s. r. o.
- ESPRITE® is patented by Robe lighting s. r. o. and protected by one or more pending or issued patents
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# Gobos&Colours

## Rotating Gobo Wheel



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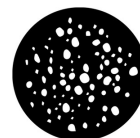
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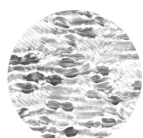
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## Static Gobo Wheel



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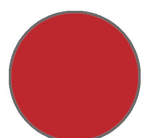


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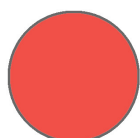
## Colour Wheel 1



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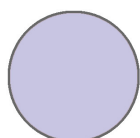
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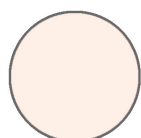
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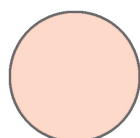
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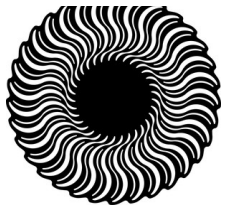


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## Animation Wheel







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