

ESPRITE™ PC

The ESPRITE PC offers you a dynamic, high performance wash light, whilst enjoying the many advantages of our TE™ Transferable Engine technology.

**Light source**

TE™ 650W White LED TRANSFERABLE ENGINE

**Light output**

up to 33.000 lm, 49.950 lx @5m, Cpulse™ special flicker free management for HD and UHD cameras, ready for 8K and 16K

**Zoom range**

6° - 60°

**Effects**

Internal barndoor system with +/- 90° rotation, Cpulse™ - Flicker Free Management, L3™ dimming system for ultra-smooth fade to black



The ESPRITE PC features the low cost, transferable light engine, to ingeniously solve the problem of performance longevity and light consistency for those preferring the higher brightness of white source LEDs.

The self-referencing, data capturing TE™ 650W White LED engine, designed, developed and manufactured in our own factory, allows for rapid and economical "Lamp like" exchange to give both fixtures a life well beyond those of non-user replaceable LED sources.

Performance has not been compromised, with the ESPRITE PC producing over 33.000 lm with a more defined beam compared to the softer edge of the Fresnel.

The ESPRITE PC possesses a comprehensive feature set including: Flat field CMY mixing; variable CTO; remotely selectable CRI 70/80/90; two fast colour wheels; medium and light frosts; Scrim with graduated filter position control with +/- 180° rotation and edge colour correction for added finesse.

A quick, accurate internal barndoor provides individual blade control and +/- 90° module rotation, whilst a zoom range of 6 - 60° ensuring maximum flexibility.

Furthermore, these fixtures are enhanced by Cpulse™, the flicker free management system for the latest cameras; EMS™ for enhanced motion stability and L3™ Low Light Linearity dimming, for ultra-smooth fade to black allowing seamless integration with traditional lighting rigs.

Technical Specification

Source

- Light source type: TE™ 650W White LED TRANSFERABLE ENGINE
- LED life expectancy: min. 50.000 hours
- CRI: 70/80/90, remotely selectable
- Colour temperature: 6.700K
- 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 zoom optical system, ratio 10:1
- Zoom range: 6° - 60°
- High efficient component optics
- Fixture total lumen output:
 - 33.000 lm (in integrated sphere)
 - 26.000 lm (on the wall)
- Output lens diameter: 156 mm

Dynamic Effects

- Cyan: 0 - 100%
- Magenta: 0 - 100%
- Yellow: 0 - 100%
- Variable CTO: 3.000K - 6.700K
- Colour Wheel 1: 5 fixed dichroic colours + white
- Colour Wheel 2: 5 fixed dichroic colours + white
- Internal barndoors: individual position control of 4 "doors", +/- 90° module rotation (Patent pending)
- Scrim: Graduated filter position control, +/- 180° module rotation (Patent pending)
- Frost: variable light and medium
- Motorized zoom and focus
- Edge colour correction
- Electronic strobe effect with variable speed up to 20 Hz
- Pre-programmed random strobe & pulse effects
- High resolution electronic dimming: 0 - 100%
- 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.

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
- Wireless CRMX™ technology from Lumen Radio: On request
- DMX Protocol modes: 2
- Control channels: 34, 30
- Pan/Tilt resolution: 16 bit
- CMY & CTO: 8 bit
- Colour wheel positioning: 8 or 16 bit
- Internal barndoor module movement & rotation: 8 bit
- Edge colour correction
- Frost: 8 bit
- Zoom: 8 or 16 bit
- Dimmer: 8 or 16 bit (internal 18 bit)

Movement

- Pan movement: 540°
- Tilt movement: 265°
- Movement control: Standard and Speed
- EMS™: Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement or vibration (Patent pending)
- Automatic Pan/Tilt position correction

Internal barndoors

- Blades: 4 blades, each with separate movement control
- Rotation: +/- 90° module rotation

Thermal specification

- Maximum ambient temperature: 45°C (113°F)
- Maximum surface temperature: 75°C (167°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: Standard mode max. 870 W at 230 V / 50 Hz
- High-power mode max. 950 W at 230 V / 50 Hz
- Power in connector: Neutrik powerCON TRUE1
- DMX and RDM data in/out: Locking 3-pin & 5-pin XLR
- Ethernet port in: RJ45

Approvals

- CE Compliant
- cETLus Compliant (pending)

Mechanical specification

- Height: 719 mm (28.31")
- Width: 443 mm (17.4")
- Depth: 264 mm (10.4") - head in vertical position
- Weight: 26 kg (57.3 lbs)
- Ingress protection rating: IP20

Rigging

- Mounting positions: Horizontally or vertically
- Universal operating position
- Mounting points: 5 pairs of 1/4-turn locking points
- 2x Omega adaptors with 1/4-turn quick locks
- Safety cable attachment point
- Pan and Tilt transport locks

Included items

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

Optional accessories

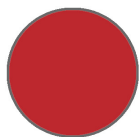
- Gel frame: 10980452
- Top hat: 10980535 TopHat for T1/Esprite Wash
- Module of PC lens for Esprite Fresnel : 10980531
- Doughty Trigger Clamp: 17030386
- Omega Adaptor Tall CL-regular 2 pcs in box: 10980501
- Safety wire 35 kg: 99011963
- Single Top Loader Case: 10120254
- Dual Top Loader Case: 10120255
- Foam Shell: 20020357

Legal

- ESPRITE™ is a Trademark of Robe lighting s. r. o.
- ESPRITE™ PC is patented by Robe lighting s. r. o. and protected by one or more pending or issued patents

Gobos&Colours

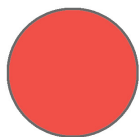
Colour Wheel 1



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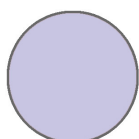


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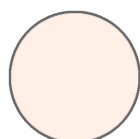
Colour Wheel 2

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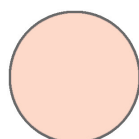
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