

# ROBIN® 300 Plasma Spot



The amazing ROBIN® 300 Plasma Spot Light is the first in a unique and new era of plasma lamp based fixtures from Robe.

Robin 300 Plasma Spot light is the first in a new generation of fixtures we have all been dreaming about! A perfect colour rendering index (CRI = 94), an extremely flat and even light beam (1 : 1.5) and a lifespan of 10.000 hours - all these fantastic features exist thanks to a brand new light source - the plasma lamp, which is now being introduced to the market. Moreover, the new plasma lamp source offers a dimming capability from 20 - 100% and a semi-hot restrike function (less than 120 sec. for full lamp brightness after shutting off).

## ● Source

- Lamp: Plasma source
- Approved model: Lifi ENT 31-02
- Control: Automatic and remote on/off

## ● Optical System

- Beam angle: 10° - 40°

## ● Electrical Specification

- Power supply: Electronic auto-ranging
- Input voltage range: 100-240V, 50/60Hz
- Power consumption: 390 VA at 230V/50Hz

## ● Mechanical Specification

- Height: 516 mm (20.3") - head in horizontal position
- Width: 433 mm (17.0")
- Depth: 470 mm (18.5")
- Weight: 21 kg (46.3 lbs)

## ● Thermal

- Maximum ambient temperature: 45°C (113°F)
- Maximum surface temperature: 60°C (140°F)

## ● Rotating Gobos

- Outside diameter: 26.8 mm
- Image diameter: 22.0 mm
- Thickness: 1.1 mm (max. thickness=4mm)
- Recommended glass: High temperature borofloat or better glass

## ● Control and Programming

- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Protocol: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2
- Control channels: 22, 24, 31
- 3 DMX protocol modes
- 3-editable programs, each up to 99 steps
- Stand-alone operation

## ● Display:

- QVGA Robe touch screen with battery backup gravitation sensor for auto screen positioning operation memory service log with RTC
- Pan/Tilt resolution: 16bit
- Movement control: Tracking and vector
- Colour wheel positioning: 8 or 16bit
- Static gobo wheel positioning: 8 or 16bit
- Rotating gobos: 8 or 16bit
- Iris: 8 or 16bit
- Frost: 8bit
- Focus: 8 or 16bit
- Dimmer: 8 or 16bit
- Ethernet port: Art-Net protocol, ready for ACN
- Data in/out: Locking 3-pin & 5-pin XLR
- Built-in analyzer for easy fault finding

## ● Electromechanical Effects

- Cyan: 0 - 100%
- Magenta: 0 - 100%
- Yellow: 0 - 100%
- CTO: 0 - 100%
- Colour wheel: 7 replaceable "SLOT&LOCK" dichroic filters + open, trapezoid shape
- Static Gobo wheel: 9 replaceable "SLOT&LOCK" metal gobos + open
- Rotating Gobo wheel: 7 rotating, indexable, replaceable "SLOT&LOCK" dichroic and black and white glass gobos + open
- Iris: Motorized, stepless, up to 3Hz
- Prism: 3-facet 11° indexable prism rotating in both directions at different speeds
- Frost effect: separate, variable
- Dimmer/Shutter: Full range dimming and variable strobe effect, Electronic strobing "ZAP"
- Motorized zoom and focus
- Pan: 540°
- Tilt: 280°

## ● Rigging

- Mounting points: 2 pairs of ¼-turn locks
- Fixation option: Pan/Tilt-lock mechanism
- 2 x Omega bracket with ¼-turn quick locks
- Safety chain/rope attachment point

