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: 100–240 V, 50/60 Hz
  - Power consumption: 390 VA at 230 V/50 Hz
- **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 3 Hz
  - 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

Moving Heads

ROBIN® 300 Plasma Wash

Robe's plasma lightsource revolution continues with this latest addition to the generation of ROBIN® fixtures harnessing the power and sustainability of the LIFI ENT 31-02 plasma source.
The ROBIN® 300 Plasma Wash has a perfect colour rendering index of 94, a CCT of 6000 K and an amazing 10.000 hours average lamp life. The zoom is an impressive 10–35 degrees, and onboard effects include smooth, fast colour mixing, including
CMY and CTO dichroic colour flag system, plus a colour wheel with 7 replaceable SLOT&LOCK trapezoid shaped dichroics and open position.
It's robustly engineered to Robe's exacting standards, and applications will include tours, special events and fixed installations of all types.

Light Source
- Plasma light source: LIFI ENT 31-02t

Optical System
- Hard aluminium reflector
- Beam angle: 10 °– 35 °

Electrical Specification
- Power supply: Electronic auto-ranging
- Input voltage range: 100 – 240 V, 50/60 Hz
- Power consumption: 400 VA at 230 V/50 Hz

Mechanical Specification
- Height: 595 mm (23.4 ")
- Width: 438 mm (17.2 ")
- Depth: 408 mm (16.1 ")
- Weight: 20.5 kg (45 lbs)
- Fixation option: Pan/Tilt-lock mechanism

Thermal
- Maximum ambient temperature: 40 °C (104 °F)
- Maximum surface temperature: 80 °C (176 °F)

Control and Programming
- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2
- Control channels: 14, 16, 19
- 3 DMX protocol modes
- 3-editable programs, each up to 100 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: 8 or 16 bit
- Movement control: Tracking and vector
- Colour wheel positioning: 8 or 16 bit
- Zoom: 8 or 16 bit
- Dimmer: 8 or 16 bit
- Ethernet port: ArtNet protocol, ready for ACN
- Data in/out: Locking 3-pin & 5-pin XLR
- Built-in analyser 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
- Dimmer/Shutter: Full range dimming and variable strobe effect
- Motorized zoom
- Pan: 540 °
- Tilt: 260 °

Rigging
- Mounting points: 2 pairs of ¼-turn locks
- 2x Omega bracket with ¼-turn quick locks
- Safety chain/rope attachment point

Optional Accessories
- Front wide-angle lens
- Top hats

Moving Heads