

ROBIN® 300E Spot

Onboard is a package of specially designed modular features including a large 10° – 40° zoom, CMY+CTO, static and rotating gobo wheels, colour wheel, frost, iris and many more.

ROBIN® 300E Spot light is a neat, punchy profile fixture with superior functions such as a large linear zoom and dynamic hot-spot control, ideal for a wide range of applications.

A full package of rotating and static gobos plus full CMY+CTO and colour wheels give a standard base for any show. Advanced features like variable frost, linear iris, rotating prism and speedy mechanical shutters provide subtle and detailed in-tuning.



Source

- Lamp: Compact high-pressure metal halide lamp
- Base: PGJX28
- Approved model: Philips MSR Gold 300/2 MiniFastFit
- Control: Automatic and remote on/off
- Ballast: Electronic

Optical System

- Dichroic glass reflector for maximising the light efficiency
- Beam angle: 10° – 40°

Electromechanical Effects

- Cyan: 0–100%
- Magenta: 0–100%
- Yellow: 0–100%
- CTO: 0–100%
- Hot-spot control: Hot-or-not-spot
- 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 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 strobbing "ZAP"
- Motorized zoom and focus
- Pan: 540°
- Tilt: 280°

Control and Programming

- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2

- Control channels: 23, 25, 32
- 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: 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 analyser for easy fault finding
- Optional wireless version available: CRMX™ technology from Lumen Radio

Static Gobos

- Metal gobos - outside diameter: 26.9 mm, image diameter: 22.5 mm, aluminium, thickness: 0.5 mm

Rotating Gobos

- Glass gobos - outside diameter: 26.8 mm, image diameter: 22.0 mm, thickness: 1.1 mm, max. thickness: 4.0 mm, high temperature borofloat or better glass

Thermal

- Maximum ambient temperature: 45 °C (104 °F)
- Maximum surface temperature: 80 °C (176 °F)

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

Electrical Specification

- Power supply: Electronic auto-ranging
- Input voltage range: 100–240 V, 50/60 Hz
- Power consumption: 450 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: 20 kg (44.1 lbs)