

# ROBIN® DLX Spot

The ROBIN® DLX Spot uses a unique new RGBW LED light source giving colour outputs brighter than a 1200 Watt discharge unit, but with an average very eco-friendly power consumption of only 250 Watts.



The optical system produces a very smooth, high quality light output of rich, beautiful colours with no shadows and utilizes a versatile zoom of 10 - 45 degrees.

Effects features consist of a combination of static and rotating gobo wheels that have custom replaceable positions, variable frost, three-faceted prism, superfast iris and more... including full range dimming and variable strobe effects.

# Technical Specification

## Source

- Light source: RGBW LED module
- LED module Life Expectancy: 20.000 hrs

## Optical system

- Beam angle: 10° - 45°
- RGBW or CMY colour mixing mode

## Electromechanical effects

- Static Gobo wheel: 9 replaceable "SLOT&LOCK" gobos (8 metal + one glass)
- Rotating Gobo wheel: 7 rotating, indexable, replaceable "SLOT&LOCK" glass gobos + open
- Iris: Motorized, stepless, pulse effects up to 3 Hz
- Prism: 3-facet 11° prism rotating in both directions at different speeds
- Frost effect: Separate, variable
- Motorized zoom: 10° (gobo position) - 45° (free hole)
- Motorized 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: 35, 25, 23
- 3 DMX protocol modes
- Wireless CRMX™ technology from Lumen Radio as optional accessory
- 3-editable programs, each up to 100 steps
- Stand-alone operation
- 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
- Static gobo wheel positioning: 8bit or 16bit
- Rotating gobo wheel positioning: 8bit
- Gobo indexing & rotation: 8 or 16bit
- RGBW, 8-bit or 16-bit colour mixing
- Virtual colour wheel with pre-programmed 237 colours including whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- Tungsten lamp effect at whites 2700 K and 3200 K
- CTO filter
- Colour rainbow effects in both directions with variable speed
- Iris: 8 or 16bit
- Frost: 8 bit
- Zoom: 8 or 16bit
- Focus: 8 or 16bit
- Dimmer: 8 or 16bit
- Strobe effect with variable speed (max. 20 flashes per second)
- Ethernet port: Art-Net protocol, ready for ACN
- Data in/out: Locking 3-pin & 5-pin XLR
- Power input: Neutrik PowerCon
- Built-in analyser for easy fault finding

## Rotating gobos

- Outside diameter: 26.8 mm
- Image diameter: 22.0 mm
- Thickness: 1.1 mm (max. thickness = 4 mm)
- Material: High temperature borofloat glass
- "Slot&lock" system for easy replacement of gobos

## Static gobos

- Outside diameter: 26.9 mm
- Image diameter: 22.5 mm
- Thickness: 0.5 mm
- Material: 9x aluminium
- "Slot&lock" system for easy replacement of gobos

## Thermal specification

- Maximum ambient temperature: 45 °C (104 °F)
- Maximum surface temperature: 90 °C (194 °F)

## Electrical specification

- Power supply: Electronic auto-ranging
- Input voltage range: 100-250 V, 50-60 Hz
- Max. power consumption: 550 W @ 230V/50 Hz (RGBW = full)
- Typical power consumption: 160-215 W (one colour = full)

## Mechanical specification

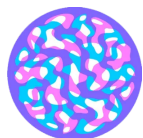
- Height: 678 mm (26.7") - head in vertical position
- Width: 388 mm (15.3")
- Depth: 480 mm (18.9") - head in horizontal position
- Weight: 20.8 kg (45.9 lbs)
- Fixation option: Pan/Tilt-lock mechanism

## Rigging

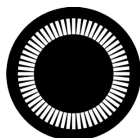
- Mounting points: 2 pairs of ¼-turn locks
- 2x Omega brackets with ¼-turn quick locks

## Gobos&Colours

### Rotating Gobo Wheel



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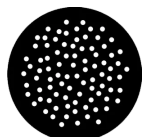
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### Static Gobo Wheel



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