

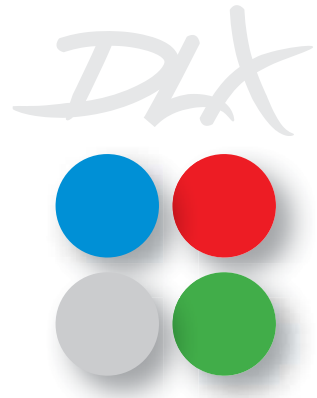
# Spot LED



TUNGSTEN  
LAMP  
EFFECT

ZOOM  
10°-45°

FLAT & EVEN  
LIGHT  
BEAM



### Packaging



### Exterior dimensions

Cardboard	Single Top Loader Case ROBIN DLX Spot™	Dual Top Loader Case ROBIN DLX Spot™
570 x 610 x 800 mm (22.4" x 24.0" x 31.5")	560 x 580 x 760 mm (22.5" x 22.8" x 29.9")	1130 x 590 x 760 mm (44.5" x 23.2" x 29.9")



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# ROBIN® DLX Spot



# ROBIN® DLX

RGBW  
COLOUR  
MIXING

FULLY  
LOADED  
FEATURES

TRUE  
WHITES



# ROBIN® DLX Spot Innovative technology

# Product diagrams

The ROBIN® DLX Spot uses a unique new RGBW LED light source giving colour outputs brighter than a 575/700 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 electronic dimming and variable strobe effects.

## Source

- Light source: RGBW high power LED module

## Optical System and effects

- Beam angle 10° – 45°
- RGBW or CMY colour mixing mode
- RGBW, 8 or 16 bit colour mixing
- CTO filter
- 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 2.700 K and 3.200 K
- Colour rainbow effects in both directions with variable speed
- Static Gobo wheel: 9 replaceable "SLOT&LOCK" metal gobos
- Rotating Gobo wheel: 7 rotating, indexable, replaceable "SLOT&LOCK" glass gobos + open
- Strobe effect with variable speed (max. 20 flashes per second)
- 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
- Dimmer: 8 or 16bit
- 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

## Electrical Specification

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

## Thermal

- Maximum ambient temperature: 45 °C (113 °F)
- Maximum housing temperature: 90 °C (194 °F)

## Control and programming

- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Protocols: USITT DMX-512, RDM, ArtNet, MA Net2
- Optional wireless version available: CRMX™ technology from Lumen Radio
- Control channels: 36, 25, 23
- 3 DMX protocol modes
- 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
- Iris: 8 or 16bit
- Frost: 8 bit
- Zoom: 8 or 16bit
- 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
- Power input: Neutrik PowerCon
- Built-in analyser for easy fault finding

## Static gobos

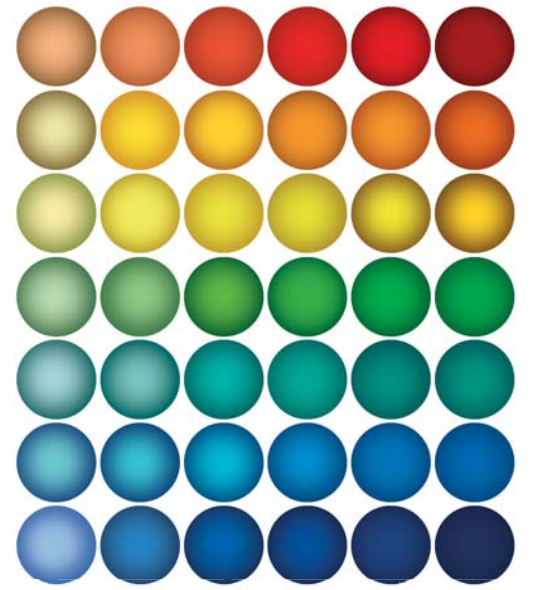
- Outside diameter: 26.9 mm
- Image diameter: 22.5 mm
- Thickness: 0.5 mm
- Material: 1x High temperature borofloat, 8 x aluminium
- "SLOT&LOCK" system for easy replacement of gobos

## 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

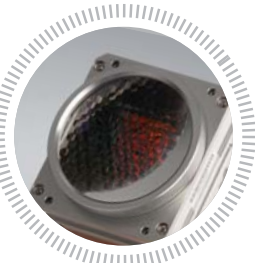
## Rigging

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



## LED module

Precisely unified and very powerful colour output of our new light source module utilizes unique combination of RGBW high powered single chip LEDs for perfect projection, while drawing very little energy and lasting for amazing 20.000 hours. The LED module is combined with an advanced heat management for very silent operation. (Patent pending).



## True White Colours

Spotless colormixing of specially calibrated LEDs together with predefined values on a Virtual Colour wheel channel allow quick direct calling of exact white hues of 2.700K, 3.200K, 4.200K, 5.600K and 8.000K.



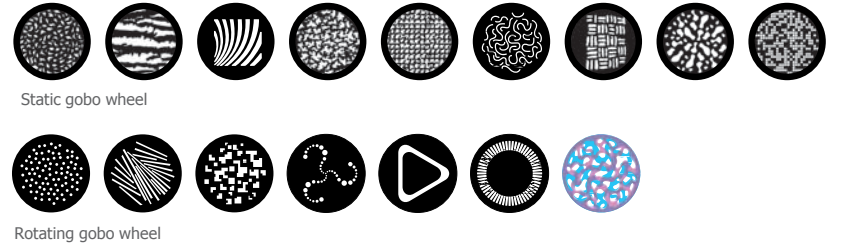
## Tungsten effect

In the Halogen lamp mode predefined for White Halogen 2.700 K and 3.200 K, the Dimmer channel initiates halogen lamp-like behaviour (red effect and thermal delay) during dimming.

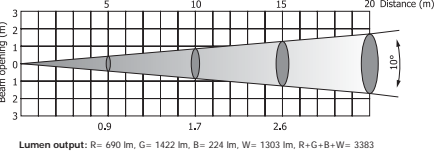


## Gobos

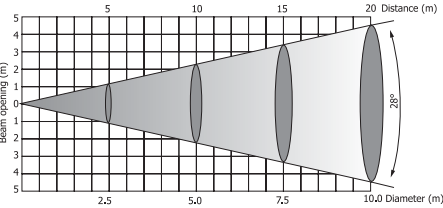
The new rotating gobo wheel with "SLOT&LOCK" gobos (patent pending) offers 7 rotating glass gobos + hole, the new static gobo wheel with "SLOT&LOCK" gobos (patent pending) includes 9 metal gobos + open position.



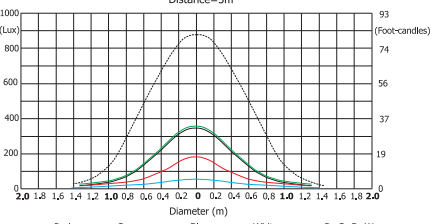
## Beam angle 10° - Min. zoom



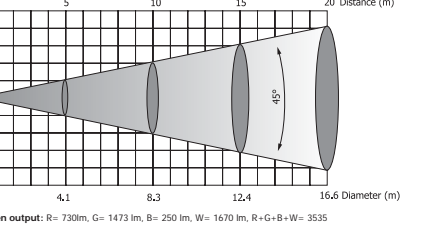
## Beam angle 10° with frost



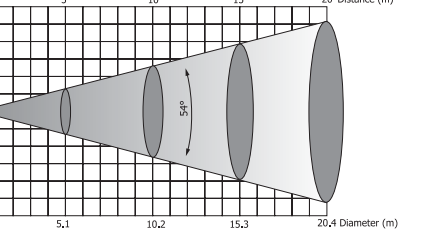
## Illuminance distribution



## Beam angle 45° - Max. zoom



## Beam angle 45° with frost



## Illuminance distribution

