

# LEDWash 300

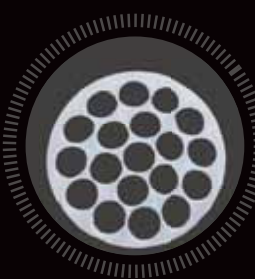
**MULTI  
CHIP**  
LED TECHNOLOGY

**ZOOM**  
15° - 60°

**FLAT & EVEN  
LIGHT BEAM**

## Accessories

Optional Eggcrate



Standard mounting adapter for one clamp



Optional Top-Hat



## Packaging

Cardboard    Single Top Loader Case ROBIN 300 LEDWash™    Dual Top Loader Case ROBIN 300 LEDWash™    Quad Top Loader Case ROBIN 300 LEDWash™    Hexa Top Loader Case ROBIN 300 LEDWash™



**Exterior dimensions**

320 x 370 x 490 mm (8.1" x 9.4" x 12.5")	350 x 530 x 250 mm (15.0" x 20.9" x 9.8")	540 x 610 x 600 mm (21.3" x 24.0" x 23.6")	870 x 610 x 600 mm (34.3" x 24.0" x 23.6")	1200 x 610 x 600 mm (47.3" x 24.0" x 23.6")
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[www.robe.cz](http://www.robe.cz)



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# ROBIN® 300 LEDWash



# ROBIN® 300

**PERFECT  
COLOUR  
MIXING**

**INDIVIDUAL  
CONTROL OF  
LED RINGS**

**TRUE  
WHITES**



# ROBIN® 300 LEDWash Innovative technology Product diagrams

## Fine touch features

Utilizing 19x 10 Watt RGBW multichip LEDs and motorized linear zoom 15 – 63 degrees the ROBIN® LEDWash 300 offers great flexibility with superior homo-genization of the light source. Specialized component optics composed of highly efficient elements ensures completely smooth colour mixing and it emphasizes dynamic array of true colours and hues. This lightweight compact fixture is ideal for all small-to-medium applications, particularly those where space and accessibility is an issue.

### Source

- Light source: 19x 10W RGBW LED multichips
- Led Life Expectancy: minimum 60.000 hours
- Typical Lumen Maintenance: 70% @ 60.000 hours

### Optical System and effects

- High efficient component optics
- Linear motorized zoom 15–63°
- RGBW, 8 or 16 bit colour mixing
- CTO filter
- Virtual colour wheel with: 237 colours including whites (2.700K, 3.200K, 4.200K, 5.600K and 8.000K)
- Halogen lamp effect at whites 2.700K and 3.200K
- Rainbow effect with in both directions with variable speed
- Zone effects in both directions with variable speed
- High resolution dimmer 0–100%
- Strobe effect with variable speed (max. 20 flashes per second)
- Pre-programmed random strobe pulse-effects

### Electrical Specification

- Electronic auto-ranging
- Input voltage: 100–240V AC, 50–60Hz
- Max. power consumption: 200W

### Mechanical Specification

- Height: 390 mm (15")
- Width: 295 mm (12")
- Depth: 203 mm (8.0")
- Weight: 8.2 kg (18 lbs)

### Movement

- Pan movement range 450°
- Tilt movement range 300°
- 16 bit movement resolution
- Automatic pan/tilt position correction
- Built-in Pan/Tilt macros

### Thermal

- Maximum ambient temperature: 45°C (113°F)
- Maximum housing temperature: 75°C (167°F)

### Control and programming

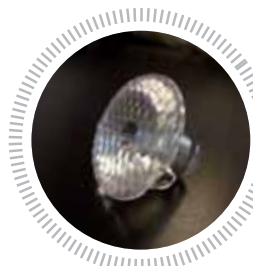
- 3 LED zones with individual control of each
- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2
- Optional wireless version available: CRMX™ technology from Lumen Radio
- Control channels: 37, 21, 15, 10, 37
- 5 DMX protocol modes
- 3-editable 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
- Ethernet port: Art-Net protocol, ready for ACN
- Data in/out: Locking 3-pin & 5-pin XLR
- Built-in analyser for easy fault finding

### Rigging

- Mounting adapter + one clamp



**Multichips**  
New LED technologies use several LED chips on a single module that creates just perfect point source of extremely smooth new dimensional colour mixing of RGBW.



### Innovative Zoom System

Incorporating sophisticated zoom optics combined with dual top-hat system consisting of Micro egg-crates and top-hat for each output lens which allows rendering of beam of high visual quality. (Patent pending).



### Individual control of LED rings

Unique design and control of the LED PCB's allows individual control of each LED ring for creation of eye-candy effect, such as colour waves or strobing per rings. (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.

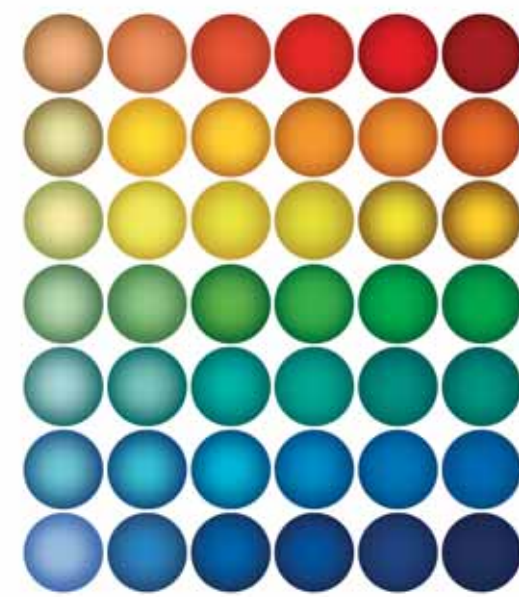


### Tungsten effect

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

### Colours

Individual control of LED rings.



### LED colours

Robin LEDWash 300 is able to produce 4.300 from pastel to saturated colours.

