

ROBIN® 600 LEDWash

Innovative technology

Fine touch features

Product diagrams

The super-slim ROBIN® LEDWash 600 features 37x10 Watt RGBW multichip LEDs with colour output ranging from gentle pastels to the richest saturation. Arranged in 3 concentric rings these LEDs offer unique possibilities for creating stunning colour and pattern audience blinding effects as well as for providing comprehensive and perfectly even wash coverage. This system sets the LEDWash 600 ahead of any other LED wash light products, making it a truly 'multi-purpose' unit, equipped also with extremely versatile 15–60 degree motorized zoom, powerful fast strobing and pre-programmed pulse strobe effects.

Source

- Light source: 37x 10W RGBW LED multichips
- Led Life Expectancy: 60.000 hours
- Typical Lumen Maintenance: 70% @ 60.000 hours

Movement

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

Optical System and effects

- High efficient component optics
- Linear motorized zoom 15–60°
- RGBW, 8-bit or 16-bit colour mixing
- CTO filter
- Virtual colour wheel with: 237 colours including whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- Halogen lamp effect at whites 2.700 K and 3.200 K
- 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, 50/60 Hz
- Max. power consumption: 430 VA

Mechanical Specification

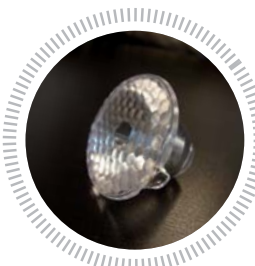
- Width: 444 mm (17.5")
- Width: 345 mm (13.6")
- Depth: 203 mm (8.0")
- Weight: 10,6 kg (23.4 lbs)

Rigging

- Mounting points: 2 pairs of ¼-turn locks
- 2x Omega bracket with ¼-turn quick locks
- Optional: single omega bracket for one clamp

Multichip

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.



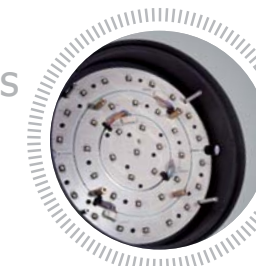
Innovative Zoom System

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).



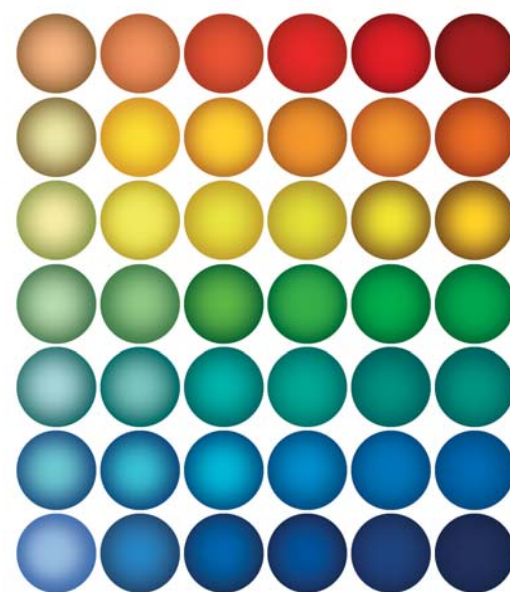
Individual control of LED rings

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).



LED colours

Robin LEDWash 600 is able to produce 4300 from pastel to saturated colours.



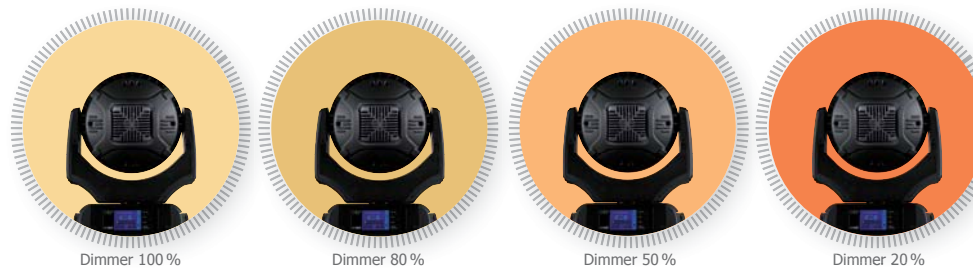
True White Colours

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 2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K.



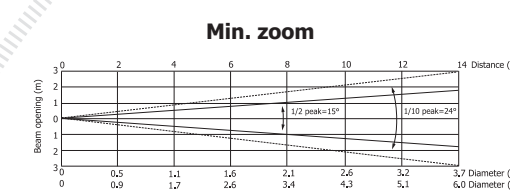
Tungsten effect

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.

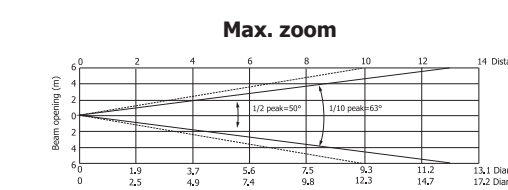


Colours

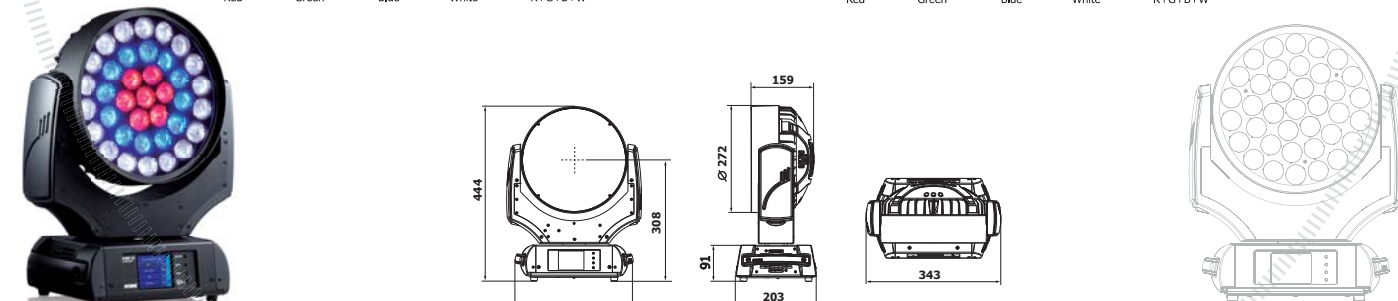
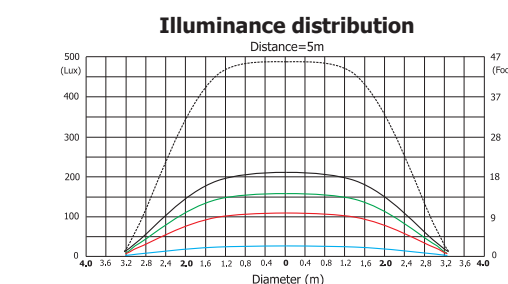
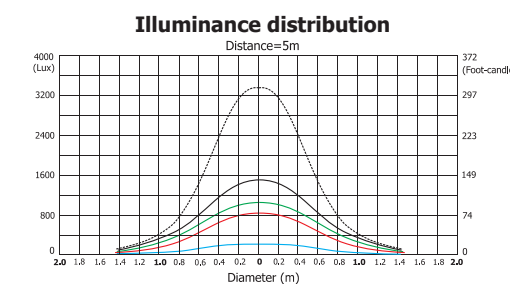
Individual control of LED rings.



| Distance (m) | 2 | 4 | 5 | 6 | 8 | 10 | 12 | 14 |
|--------------|----------|----------|----------|--------|--------|--------|--------|--------|
| Red | 3831/356 | 958/89 | 613/57 | 426/40 | 240/22 | 153/14 | 106/10 | 79/7 |
| Green | 675/629 | 2169/153 | 1084/101 | 753/70 | 423/40 | 271/25 | 188/18 | 138/13 |
| Blue | 1288/120 | 322/30 | 206/19 | 143/13 | 81/8 | 52/5 | 36/3 | 26/2,4 |
| White | 950/89 | 238/22 | 152/14 | 106/9 | 59/5 | 39/3 | 26/2,5 | 19/1,8 |
| R+G+B+W | 1081/101 | 518/48 | 334/31 | 231/21 | 130/12 | 83/7 | 56/5 | 40/4 |



| Distance (m) | 2 | 4 | 5 | 6 | 8 | 10 | 12 | 14 |
|--------------|----------|--------|--------|--------|--------|--------|--------|--------|
| Red | 544/51 | 136/13 | 87/8 | 60/6 | 34/3 | 22/2 | 15/1,4 | 11/1 |
| Green | 1031/96 | 258/24 | 165/15 | 115/11 | 65/6 | 41/4 | 29/3 | 21/2 |
| Blue | 200/19 | 50/5 | 32/3 | 22/2 | 13/1,2 | 8/0,7 | 6/0,5 | 4/0,4 |
| White | 1330/124 | 332/31 | 214/20 | 149/14 | 84/8 | 54/5 | 37/4 | 27/2,5 |
| R+G+B+W | 3030/281 | 758/71 | 484/46 | 338/31 | 190/18 | 120/11 | 84/8 | 62/6 |





**MULTI
CHIP**
LED TECHNOLOGY

ZOOM
15° - 60°

**FLAT & EVEN
LIGHT BEAM**

Accessories

Standard omega brackets for two clamps Optional single omega bracket for one clamp Optional Top-Hat



Packaging

Cardboard Single Top Loader Case ROBIN 600 LEDWash™ Dual Top Loader Case ROBIN 600 LEDWash™ Quad Top Loader Case ROBIN 600 LEDWash™ Hexa Top Loader Case ROBIN 600 LEDWash™



Exterior dimensions

| | | | | |
|---|---|---|---|--|
| 360 x 390 x 500 mm (14.2" x 15.3" x 19.7") | 440 x 380 x 590 mm (17.3" x 15.0" x 23.3") | 580 x 410 x 670 mm (22.8" x 16.2" x 26.4") | 580 x 800 x 670 mm (22.8" x 31.5" x 26.4") | 580 x 1180 x 670 mm (22.8" x 46.5" x 26.4") |
|---|---|---|---|--|



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**PERFECT
COLOUR
MIXING**

**INDIVIDUAL
CONTROL OF
LED RINGS**

**TRUE
WHITES**