

LEDWash 300™

Utilizing 19 multichip LEDs and motorized linear zoom 15 - 60 degrees the ROBIN® 300 LEDWash offers great flexibility with superior homogenization of the light source.

**Light source**

19x 10W RGBW LED multichips

**Light output**

2.680 lm, 1.710 lx @ 5 m

**Zoom range**

15° - 60°

**Effects**

3 LED rings control, rainbow effects, tungsten lamp effect, pre-programmed whites



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.

Technical Specification

Source

- Light source type: 19x 10W RGBW LED multichips
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- LED life expectancy: min. 60.000 hours
- Typical lumen maintenance: 70% @ 60.000 hours
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Optical system

- Robe's proprietary optical design
-
- High - efficiency zoom optical system, ratio 8:1
- Zoom range: 8° - 63°
- Fixture total lumen output: 2.680 lm
- Light output: 1.710 lx @ 5 m
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- Light output: 1.710 lx @ 5 m

Dynamic Effects and Features

- Colour mixing mode RGBW
-
- 3 individually controllable LED rings
- Virtual Colour Wheel: 237 colours including whites (2.700K, 3.200K, 4.200K, 5.600K and 8.000K)
- Tungsten lamp effect at whites: 2.700K and 3.200K (red shift and thermal delay)
- Colour rainbow effect with variable speed
- Pre-programmed random strobe & pulse effects
- Electronic strobe effect with variable speed up to 20 Hz
- High resolution electronic dimming: 0 - 100%
- Colour mixing mode RGBW

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Control and programming

- Setting & Addressing: ROBE Navigation System 2 (RNS2)
-
- Display: QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, stand-alone operation with 3 editable programs (each up to 100 steps), built-in analyser for easy fault finding
- Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2
- Wireless CRMX™ technology from Lumen Radio
- DMX Protocol modes: 5
- Control channels: 37, 21, 15, 10, 37
- Pan/Tilt resolution: 16 bit
- RGBW: 8 or 16 bit
- Zoom: 8 bit
- Dimmer: 8 or 16 bit
- Setting & Addressing: ROBE Navigation System 2 (RNS2)
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- Display: QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, stand-alone operation with 3 editable programs (each up to 100 steps), built-in analyser for easy fault finding
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- Pan/Tilt resolution: 16 bit
- RGBW: 8 or 16 bit
- Zoom: 8 bit
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Movement

- Pan movement: 450°
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- Tilt movement: 300°
- Automatic Pan/Tilt position correction
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-
- Tilt movement: 300°
- Automatic Pan/Tilt position correction

Thermal specification

- Maximum ambient temperature: 45°C (113°F)
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- Maximum surface temperature: 75°C (167°F)
- Minimum operating temperature: -5°C (23°F)
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- Maximum surface temperature: 75°C (167°F)
- Minimum operating temperature: -5°C (23°F)

Electrical specification and connections

- Power supply: Electronic auto-ranging
-
- Input voltage range: 100-240 V, 50/60 Hz
- Power consumption: Max. 200 W at 230 V / 50 Hz
- AC connection: power cable with plug
- DMX and RDM data in/out: Locking 3-pin & 5-pin XLR
- Ethernet port in: RJ45
- Power supply: Electronic auto-ranging
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- Input voltage range: 100-240 V, 50/60 Hz
- Power consumption: Max. 200 W at 230 V / 50 Hz
- AC connection: power cable with plug
- DMX and RDM data in/out: Locking 3-pin & 5-pin XLR
- Ethernet port in: RJ45

Approvals

- CE Compliant
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- cETLus Compliant
- CE Compliant
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- cETLus Compliant

Mechanical specification

- Height: 390 mm (15")
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- Width: 295 mm (12")
- Depth: 203 mm (8")
- Weight: 8.2 kg (18.1 lbs)
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Rigging

- Mounting positions: Horizontally or vertically
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- Universal operating position
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-
- Universal operating position

Included items

- User Manual
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- Omega Adaptor CL-regular 2 pcs
- Power cord
- User Manual
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- Power cord

Optional accessories

- Transparent EggCrate: 10980115
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- Top hat: 10980102
- Mounting adapter for one omega holder: 10980100
- Doughty Trigger Clamp: 17030386
- Safety wire 35 kg: 99011963
- Single Top Loader Case: 10120114
- Dual Top Loader Case: 10120109
- Quad Top Loader Case: 10120108
- Six Pack Top Loader Case: 10120110
- Transparent EggCrate: 10980115
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- Top hat: 10980102
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Legal

- LEDWash 300™ is a trademark of Robe lighting s.r.o.
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