



# LEDWash 1200

**MULTI  
CHIP**  
LED TECHNOLOGY

**ZOOM**  
15° - 60°

**FLAT & EVEN  
LIGHT BEAM**

### Accessories

Standard omega brackets for two clamps



Optional Top-Hat



**ROBIN® 1200 LEDWash**

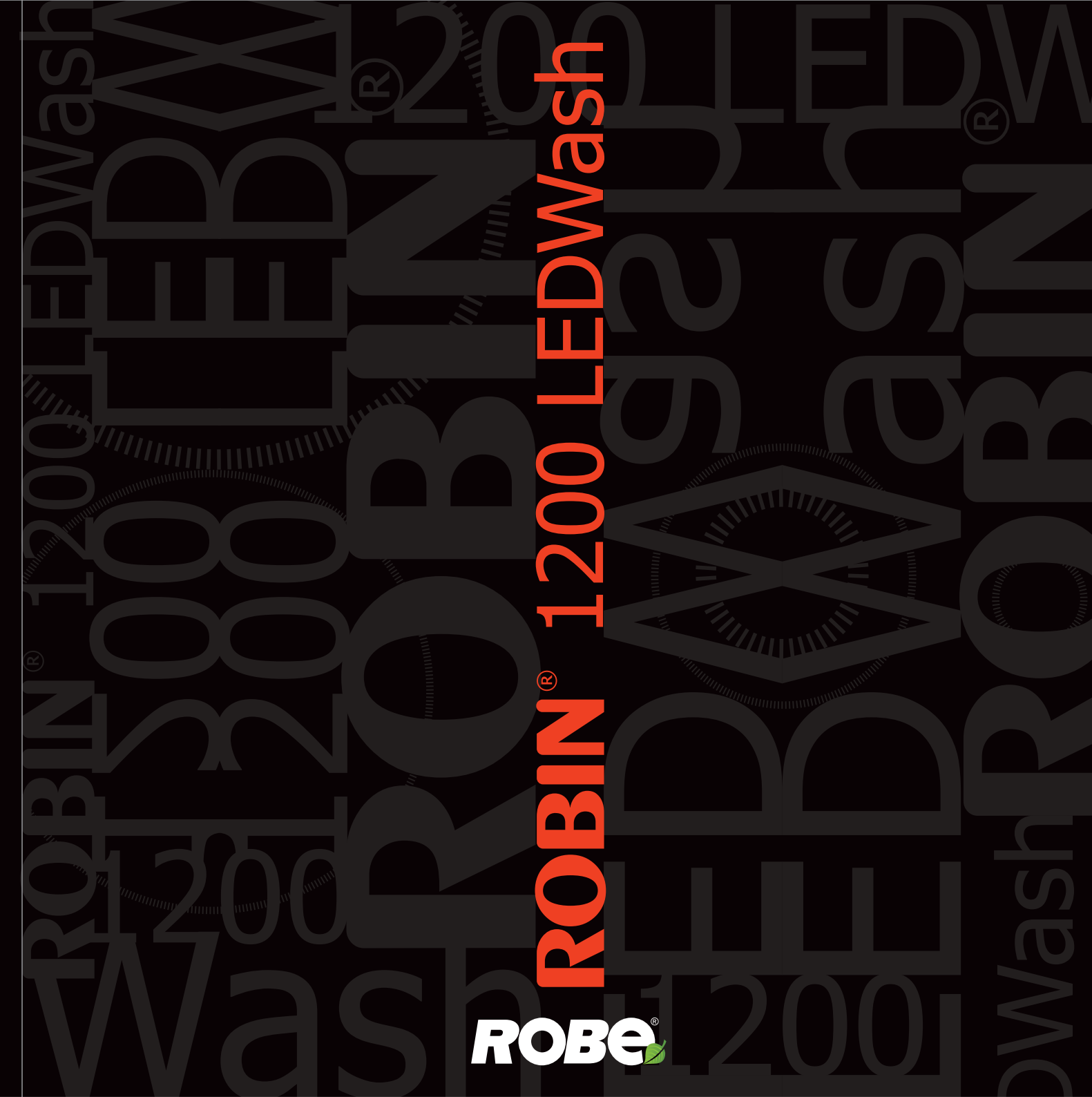


[www.robe.cz](http://www.robe.cz)



Head office: ROBE lighting s. r. o. | Hážovice 2090 | 756 61 Rožnov pod Radhoštěm | Czech Republic | Tel.: +420 571 751 500 | Fax: +420 571 751 515 | E-mail: [robe@robe.cz](mailto:robe@robe.cz)  
Factory: ROBE lighting s. r. o. | Palackého 416 | 757 01 Valašské Meziříčí | Czech Republic | Tel.: +420 571 751 500 | Fax: +420 571 751 515 | E-mail: [robe@robe.cz](mailto:robe@robe.cz) | UK: ROBE UK Ltd. | Northampton, UK | Tel.: 01604 741000 | E-mail: [info@robeuk.com](mailto:info@robeuk.com) | America: ROBE Lighting Inc. | 12349SW 53<sup>rd</sup> Street, Suite 202 | Cooper City | FL, USA | Tel.: +1 954 680 1901 | E-mail: [info@robelight.com](mailto:info@robelight.com)  
South-East Asia: ROBE S.E.A. | Singapore | Tel.: +65 8118 6665 | E-mail: [info@robe-sea.com](mailto:info@robe-sea.com) | United Arab Emirates: Makateb Business Centre | Makeen Tower, Corner of 9th and 10th Street Abu Dhabi | UAE | Tel.: +971 2 657 3461 | E-mail: [info@robe-me.com](mailto:info@robe-me.com) | Russia and CIS: Taganskaya str. 26 - 1 - 72 | 109004 Moscow | Russia | Tel.: +7 495 504 9569 | E-mail: [info@roberussia.com](mailto:info@roberussia.com)  
Central and South America: Galicia 1200 ap 303 | 1100 Montevideo | Uruguay | Tel.: +5982 2900 67 47 | E-mail: [info@robecsa.com](mailto:info@robecsa.com)

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# ROBIN® 1200

**PERFECT  
COLOUR  
MIXING**

**INDIVIDUAL  
CONTROL OF  
LED RINGS**

**TRUE  
WHITES**

# ROBIN® 1200 LEDWash

# Innovative technology

# Fine touch features

# Product diagrams

The super-slim ROBIN® 1200 LEDWash features 61 x 10 Watt RGBW multichip LEDs with color output ranging from gentle pastels to the richest saturation. Arranged in 4 concentric rings these LEDs offer unique possibilities for creating stunning color and pattern audience blinding and eye candy effects as well as for providing comprehensive and perfectly even wash coverage. This system sets the LEDWash 1200 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 strobe and pulse effects at all zones (rings) or individually controllable per each zone.

## Source

- Light source: 61 Cree MC-E 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 15–60°
- RGBW, 8 or 16 bit color mixing
- CTO filter
- Virtual color wheel with pre-programmed 237 colors including whites (2.700K, 3.200K, 4.200K, 5.600K and 8.000K)
- Individual color control of each LED ring
- Tungsten lamp effect at whites 2.700K and 3.200K
- Color rainbow effects in both directions with variable speed
- Zone color effects in both directions with variable speed
- High resolution dimmer 0–100%
- Strobe effect with variable speed (max. 20 flashes per second)
- Individual zone strobe effects with variable speed
- Pre-programmed random strobe & pulse effects

## Electrical Specification

- Electronic auto-ranging
- Input voltage: 100–240V AC, 50–60Hz
- Power consumption:
- Typical consumption: 300W (2 LED colors @ all rings)
- Max. consumption: 580W (4 LED colors @ all rings)

## Mechanical Specification

- Height: 570 mm (22.4")
- Width: 453 mm (17.8")
- Depth: 268 mm (10.5")
- Weight: 17 kg (37.5 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

- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2
- Wireless CRM™ technology from Lumen Radio included as standard accessory
- Control channels: 45, 21, 15, 10, 45
- 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 analyzer for easy fault finding

## Rigging

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



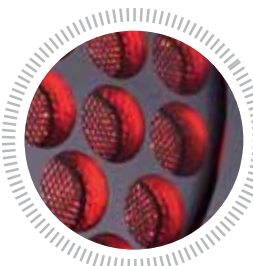
## Multichips

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).



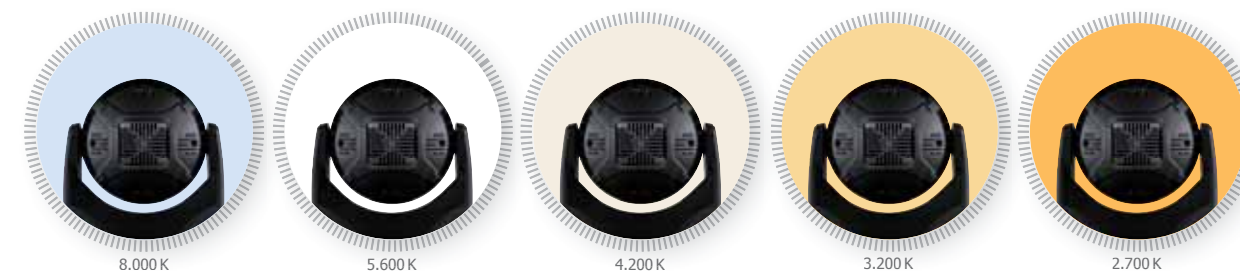
## LED colours

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



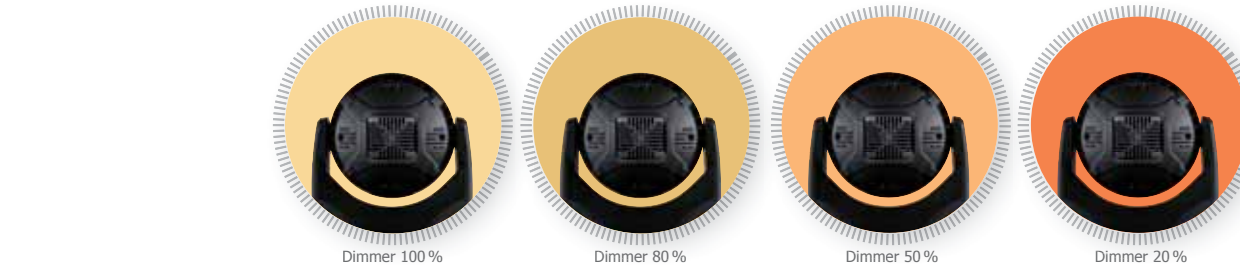
## True White Colours

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



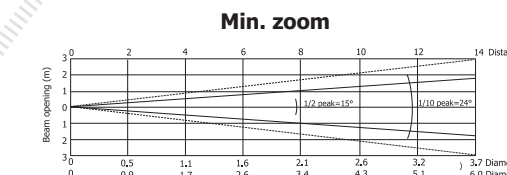
## Tungsten effect

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.

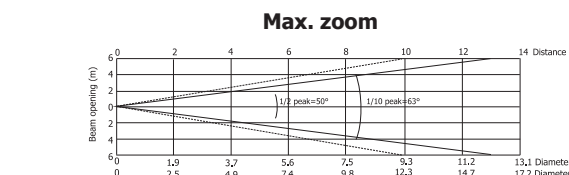
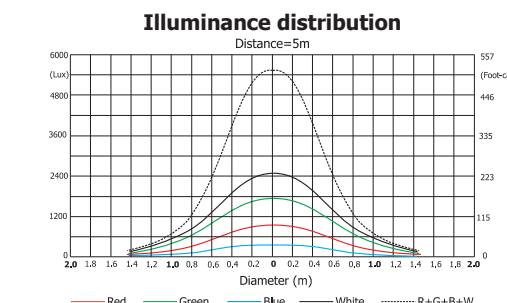


## Colours

Individual control of LED rings.



Distance (m)	2	4	5	6	8	10	12	14	Intensity (center Lux/footcandle)
Red	6512/587	1578/147	1052/94	791/65	396/37	273/24	179/16	129/12	
Green	1188/108	270/25	170/16	124/11.5	68/6.5	44/4.2	28/2.9	18/2.0	
Blue	2125/197	512/50	343/32	236/22	113/12	80/8	50/5	31/3	
White	1578/143	3925/366	2519/224	1749/163	884/81	630/59	407/40	322/30	
R+G+B+W	14413/137	8603/800	5596/511	3823/353	2158/200	1376/128	956/89	702/65	



Distance (m)	2	4	5	6	8	10	12	14	Intensity (center Lux/footcandle)
Red	894/83	223/21	143/13	99/9	56/5	36/3	25/2	18/2	
Green	1700/158	425/40	272/25	189/18	106/10	68/6	47/4	33/3	
Blue	211/21	89/8	53/5	37/3	21/2	13/1.2	8/0.9	7/0.6	
White	2206/205	102/11	35/3.3	24/2.3	13/1.3	8/0.8	4/0.4	4/0.4	
R+G+B+W	3006/285	1252/116	802/74	556/52	313/29	200/19	130/13	102/10	

