

300X

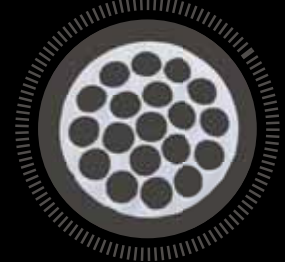
HIGH POWER
15 W
RGBW LEDS

ZOOM
8° – 63°

FLAT & EVEN
LIGHT BEAM

Accessories

Transparent Eggcrate



Top hat



Packaging

Cardboard



Single Top Loader Case



Dual Top Loader Case



Quad Top Loader Case



Hexa Top Loader Case



Exterior dimensions

320 x 370 x 490 mm
(8.1" x 9.4" x 12.5")

375 x 285 x 575 mm
(14.8" x 11.2" x 22.6")

600 x 545 x 605 mm
(23.6" x 21.5" x 23.8")

870 x 600 x 605 mm
(34.3" x 23.6" x 23.8")

1200 x 600 x 605 mm
(47.3" x 23.6" x 23.8")

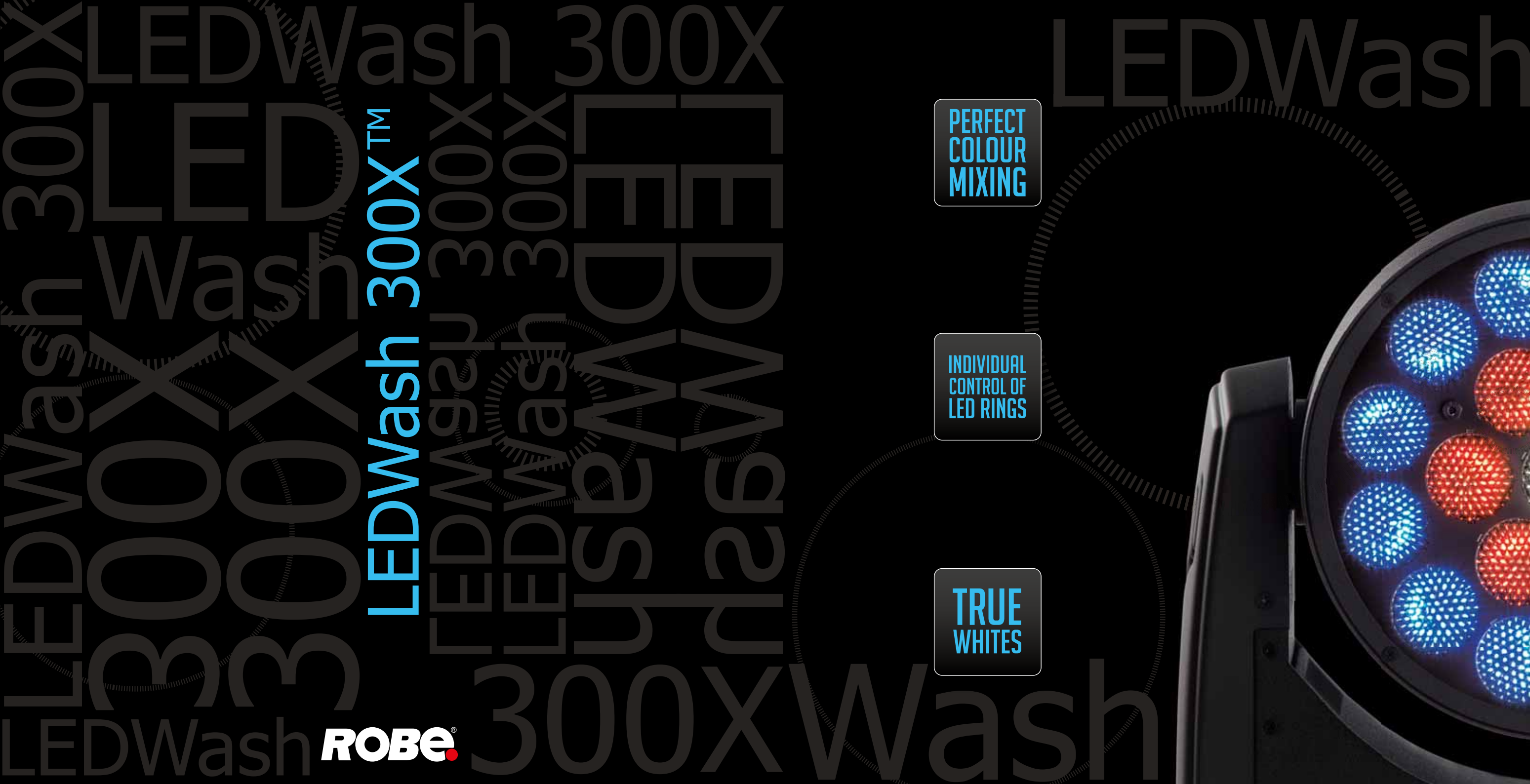


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PERFECT
COLOUR
MIXING

INDIVIDUAL
CONTROL OF
LED RINGS

TRUE
WHITES



LEDWash 300X

Innovative technology

Fine touch features

Product diagrams

Utilizing a new generation of 30% brighter 19 x 15W RGBW multichip LEDs and Robe's patented motorized linear zoom 8°– 63°, the LEDWash 300X offers great flexibility with superior homogenization of the light source. Specialized component optics composed of highly efficient elements ensures completely smooth colour mixing and it emphasizes a 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. PowerCON True1 chassis connector has been now added on the back of the fixture's base to guarantee a safe power connection. The powerCON TRUE1 connector can be connected or disconnected under load or live.

Source

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

Optical System

- Robe's proprietary optical design
- High efficiency zoom optical system, ratio 8:1
- Zoom range: 8°– 63°
- Fixture total lumen output: 4.479 lm
- Brightness: 4.895 lx @ 5 m

Dynamic Effects

- 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%

Control and programming

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

Thermal Specification

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

Electrical Specification

- Power supply: Electronic auto-ranging
- Input voltage range: 100–240 V, 50/60 Hz
- Power consumption: Max. 200 W at 230 V / 50 Hz
- Power in connector: Neutrik powerCON TRUE1
- DMX and RDM data in/out: Locking 3-pin & 5-pin XLR
- Ethernet port in: RJ45

Approvals

- CE Compliant
- cETLus Compliant

Mechanical Specification

- Height: 390 mm (15")
- Width: 295 mm (12")
- Depth: 203 mm (8.0")
- Weight: 8.2 kg (18.1 lbs)
- Ingress protection rating: IP20

Rigging

- Mounting positions: Horizontally or vertically
- Universal operating position

Included Items

- User Manual
- Omega Adaptor CL-regular 2 pcs
- Power cord including powerCON TRUE1 In connector

Accessories

- Transparent Eggcrate: 10980115
- Mounting adapter for one omega holder: 10980100
- Top hat: 10980102
- 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

Legal

- LEDWash 300X™ is a Trademark of Robe lighting s. r. o.
- LEDWash 300X™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents



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.



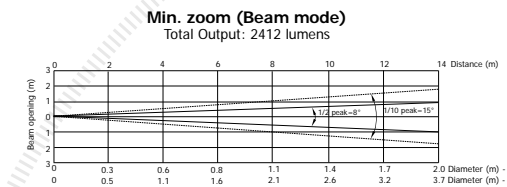
Tungsten effect

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.

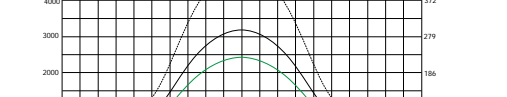
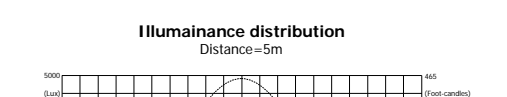


Colours

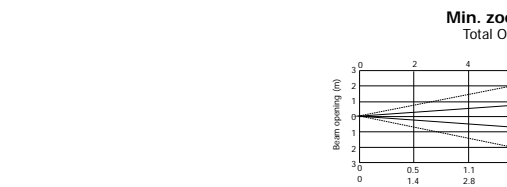
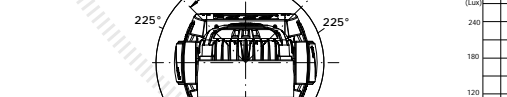
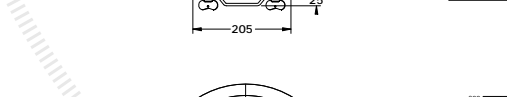
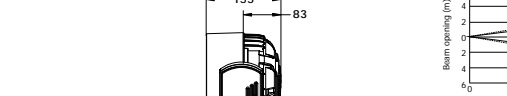
Individual control of LED rings.



Distance (m)	2	4	5	6	8	10	12	14
Red	206/167	825/191	1162/198	1617/19	461/42	292/27	202/19	146/14
Green	136/140	525/255	744/227	1050/18	304/26	191/23	135/23	97/29
Blue	276/221	490/84	443/81	303/78	373/74	319/71	319/71	343/78
White	1965/184	4968/82	2780/295	2208/295	1242/115	795/74	503/51	406/58
R-G-B-W	1088/104	1648/172	495/483	229/273	171/210	122/114	82/79	54/58



Distance (m)	2	4	5	6	8	10	12	14
Red	425/40	156/76	46/8	474/4	271/5	171/4	121/4	98/8
Green	94/98	226/22	151/14	109/10	86/5	38/3	26/24	19/18
Blue	194/18	481/5	312/9	222/6	121/1	80/7	54/5	40/4
White	1381/29	347/2	222/1	154/14	87/8	56/5	39/3.6	28/2.8
R-G-B-W	1663/173	405/43	260/28	207/19	114/11	76/7	52/5	38/3.5



Distance (m)	2	4	5	6	8	10	12	14
Red	430/168	1575/148	928/14	766/6	394/37	252/23	175/16	129/12
Green	348/118	1202/29	268/19	142/12	80/74	51/48	35/35	26/24
Blue	249/226	420/28	297/27	276/26	193/14	99	69	50
White	1586/184	3825/293	248/221	176/198	94/89	61/57	42/40	31/29
R-G-B-W	990/141	221/152	443/433	321/429	189/148	115/138	83/75	56/53

