

ROBIN® 600 PureWhite Innovative technology

Spotlessly even light output of the highly popular ROBIN® 600 LEDWash comes in a PureWhite version, offering smooth output of white only variations. There are 3 versions - **CoolWhite** (6.300 K), **WarmWhite** (3.200 K) and **SmartWhite** - which is variable from 6.300 – 2.800 K. The 10 W Cree LED multichips are arranged in 3 concentric rings for providing comprehensive and perfectly even wash coverage, ideal for car shows, theaters and thank to flicker free LED operation also for TV studios.

Fast 15–60 degree motorized zoom, speedy pan and tilt movement and powerful fast strobing with pre-programmed strobe effects of all LEDs or per each individual ring can turn this wash unit into very effective blinding tool.

Source

- Light source: CoolWhite version: 37x 10W CW LED multichips
WarmWhite version: 37x 10W WW LED multichips
SmartWhite version: 37x 10W CW/WW 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°
- Completely flat field at any Beam Angle
- 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: 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)

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: 40 °C (104 °F)
- Maximum housing temperature: 80 °C (176 °F)

Control and programming

- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2
- Control channels: 18, 12, 13, 10, 18
- 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 points: 2 pairs of ¼-turn locks
- 2x Omega bracket with ¼-turn quick locks
- Optional: single omega bracket for one clamp

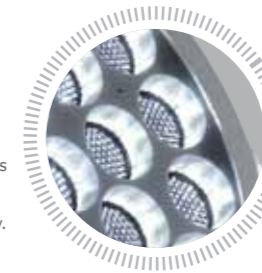
Multichip

New LED technologies use LED chips on a single module that creates just perfect point source for extremely smooth beam of new dimensions.



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, or strobing per rings. (Patent pending).



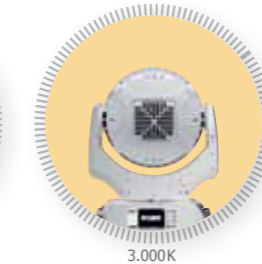
CoolWhite



6.300K

Selection of cold tone LEDs creates a frozen cool white light output of 6.300 K.

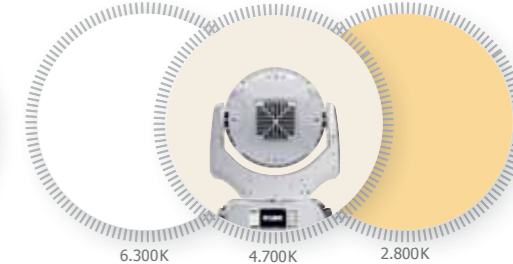
WarmWhite



3.000K

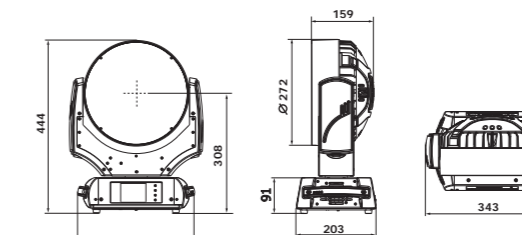
LEDs especially chosen for their warm tones ensure smooth 3.000 K warm white light beam.

SmartWhite



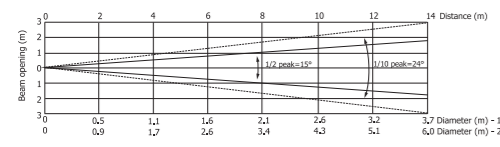
6.300K 4.700K 2.800K

Carefully selected mix of LEDs provides unified blending of hues rating from 6.300 – 2.800 K including neutral white colour of 4.700 K.



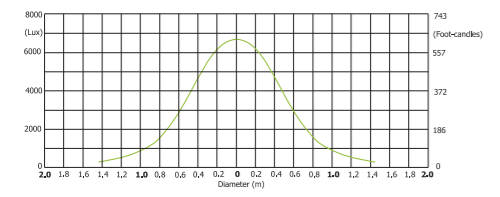
Product diagrams

CoolWhite Min. zoom

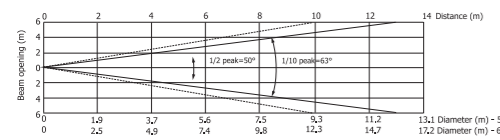


Distance (m)	2	4	5	6	8	10	12	14	Intensity (center) Lux/footcandle
CW (6300K)	4187/389	10470/973	6700/623	4653/432	2617/243	1675/155	1163/108	855/79	

Illuminance distribution Distance=5m

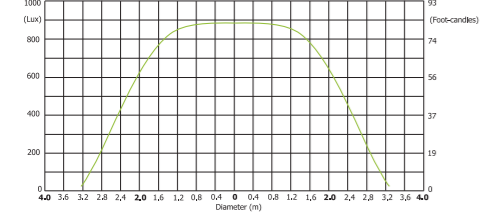


Max. zoom

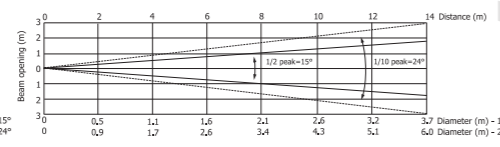


Distance (m)	2	4	5	6	8	10	12	14	Intensity (center) Lux/footcandle
CW (6300K)	5500/511	1375/128	880/81	611/57	344/32	220/20	153/14	112/10	

Illuminance distribution Distance=5m

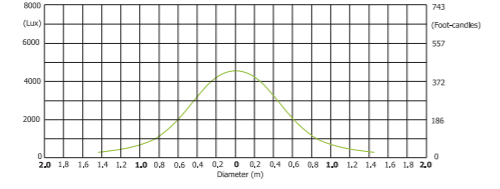


WarmWhite Min. zoom

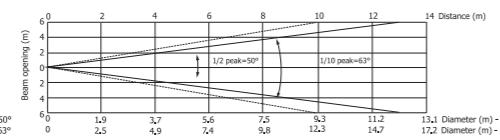


Distance (m)	2	4	5	6	8	10	12	14	Intensity (center) Lux/footcandle
WW (3000K)	2063/1700	7266/675	4680/432	3230/300	1816/169	1163/108	807/75	593/55	

Illuminance distribution Distance=5m

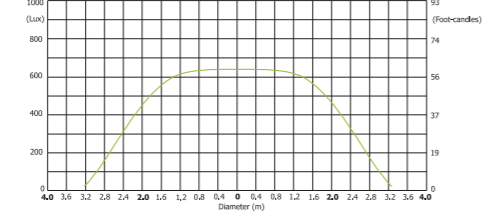


Max. zoom

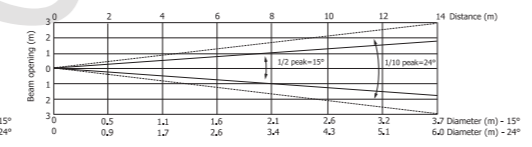


Distance (m)	2	4	5	6	8	10	12	14	Intensity (center) Lux/footcandle
WW (3000K)	4000/372	1000/93	640/60	444/41	250/23	160/15	111/10	82/8	

Illuminance distribution Distance=5m

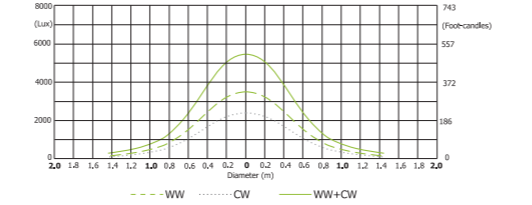


SmartWhite Min. zoom

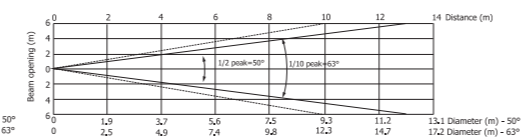


Distance (m)	2	4	5	6	8	10	12	14	Intensity (center) Lux/footcandle
WW (2800K)	15188/1411	3797/353	2430/226	1688/157	950/89	608/56	422/39	310/29	
CW (6300K)	22198/2061	25547/515	3550/330	2465/229	1387/129	888/83	616/57	452/42	
WW+CW (4700K)	34375/3104	4594/798	5500/511	3819/355	2148/200	1375/128	955/89	700/65	

Illuminance distribution Distance=5m

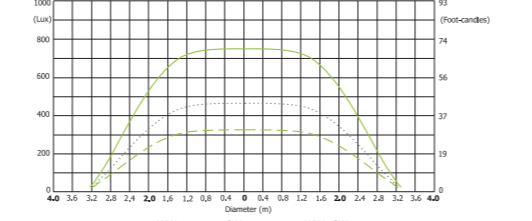


Max. zoom



Distance (m)	2	4	5	6	8	10	12	14	Intensity (center) Lux/footcandle
WW (2800K)	2000/186	500/47	320/29	222/21	125/12	80/7	56/5	41/4	
CW (6300K)	2038/273	734/88	470/44	284/17	164/17	118/11	83/8	60/6	
WW+CW (4700K)	4688/436	1172/109	750/70	521/48	293/27	188/17	130/12	96/9	

Illuminance distribution Distance=5m



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