



**MULTI
CHIP**
LED TECHNOLOGY

ZOOM
4° - 60°

**EXTREMELY
FAST** PAN
TILT
MOVEMENT



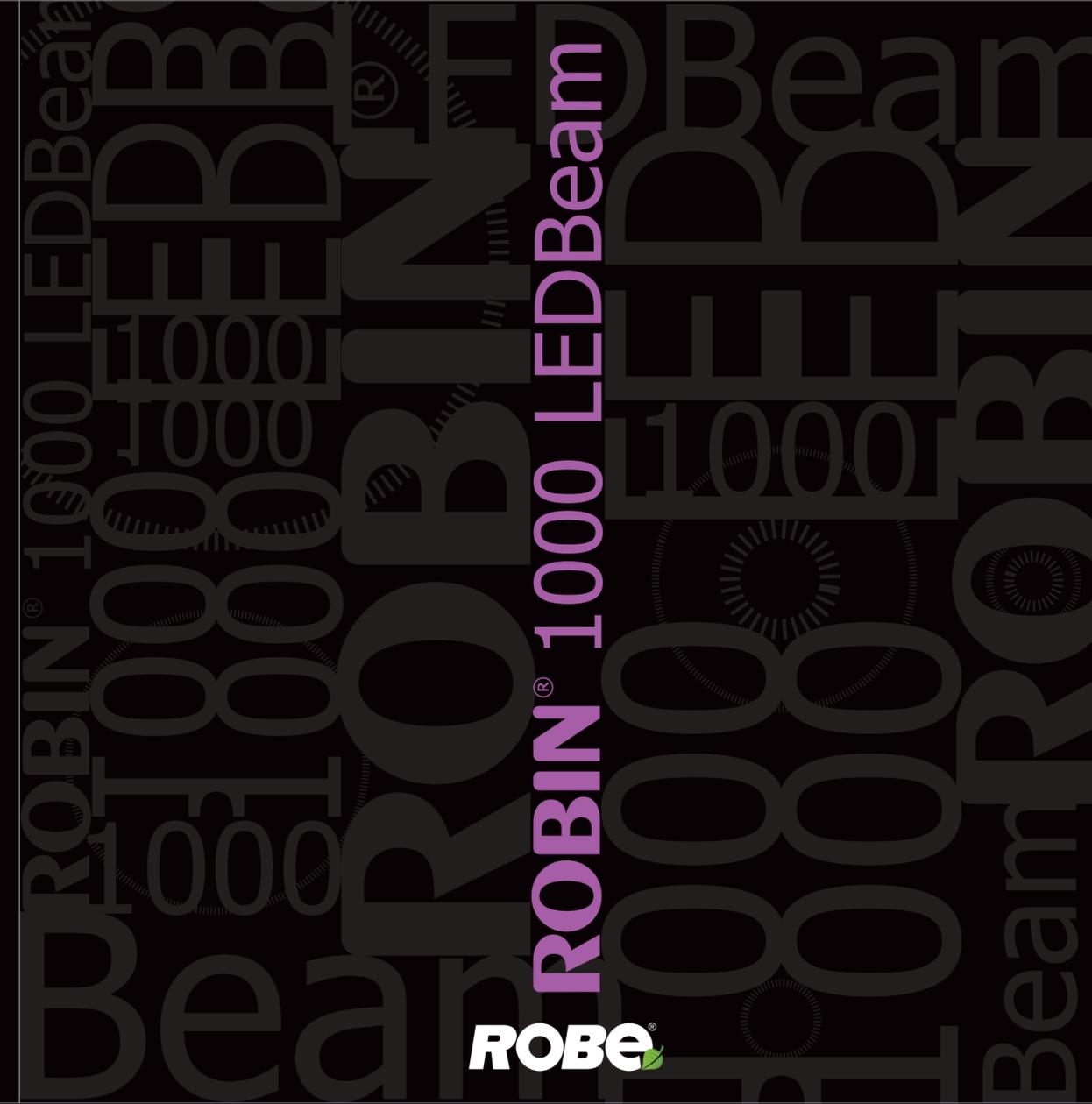
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ROBIN® 1000 LEDBeam



**PERFECT
COLOUR
MIXING**

**INDIVIDUAL
CONTROL
OF LED RINGS**

**TRUE
WHITES**



ROBIN® 1000 LEDBeam



ROBIN® 1000 LEDBeam

Innovative technology

Fine touch features

Product diagrams

Here comes the new master of our popular [of the popular ROBE] LED series: ROBIN® 1000 LEDBeam. When you observe the punchy, tight 4° beam cut through atmosphere and then open up to smooth wide 60° wash output, you start to appreciate the beauty of this beast. Based on an array of powerful 15 W RGBW LED multichips with revolutionary optics especially developed for a high output under all circumstances and with the moving the head fitted with fast-spin motors which utilize our popular super speedy software driving technique [as known from our Pointe or Robin 100 LEDBeam], this is the right unit that you need for any high profile stage, long distance throw or extra wide theater scene. We have of course incorporated all the very important software features of the LED series, including CMY/RGBW color mixing, improved smooth dimming, tungsten lamp emulation, variable CTO or powerful strobe, which in turn make the new Robin 1000 LEDBeam a very appealing wash/beam solution.

Source

- Light Source Type: 37x 15 W RGBW multichips
- Light Output: 19 500 Lumen (From LEDs)
- LED Life Expectancy: minimum 60 000 hours
- Typical Lumen Maintenance: 70% @ 60 000 hours

Optical System and effects

- High efficient component optics
- Zoom range: 4°-60°
- Colour Mixing System: RGBW/CMYW 8-bit or 16-bit
- CTO filter
- Virtual colour wheel with preprogrammed 237 colours including whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- LED Zones: 3 LED rings, individual colour control of each LED ring
- Tungsten Lamp Effects at Whites: 2.700 K and 3.200 K
- Colour rainbow effects in both directions with variable speed
- Zone colour 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 effect with variable speed
- Preprogrammed random strobe & pulse effects

Electrical Specification

- Electronic auto-ranging
- Input Voltage: 100-250 V AC, 50-60 Hz
- Power Consumption: max. 800 W (4 LED colours at all rings)
- Power Connector: Neutric PowerCon
- Standard Compliance: cETLus, CE

Mechanical Specification

- Height: 568 mm (22.4")
- Width: 415 mm (16.3")
- Depth: 312 mm (12.3")
- Weight: 16.8 kg (24.3 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: Wireless CRMX™ technology from Lumen Radio included as a standard accessory
- Control Channels: 37, 21, 15, 10, 37
- Protocol Modes: 5 DMX
- Programs: 3 editable programs up to 100 steps
- Stand alone operation
- Display: 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 1-turn locks
- Omega Brackets: 2x Omega bracket with 1-turn quick locks

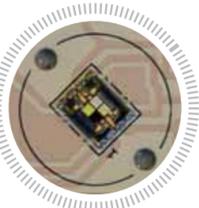
Innovative optical system

With flexibility to the fore, it features a unique proprietary optical system enabling a zoom of 4-60 degrees with full beam control... giving an extremely tight and intense beam for long throws or a nice smooth even wash. (patent pending)



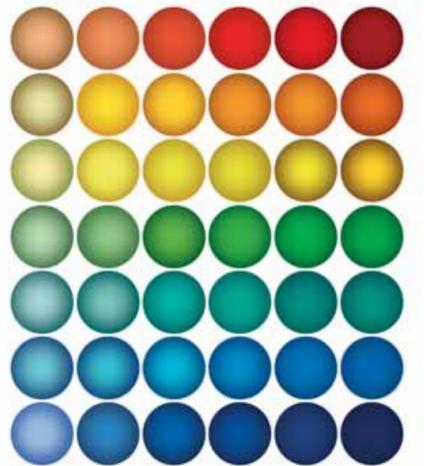
Multichips

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.



Individual control of LED zones

Unique design and control of the LED PCB's allows individual control of each LED zone for the creation of eye-candy effect.



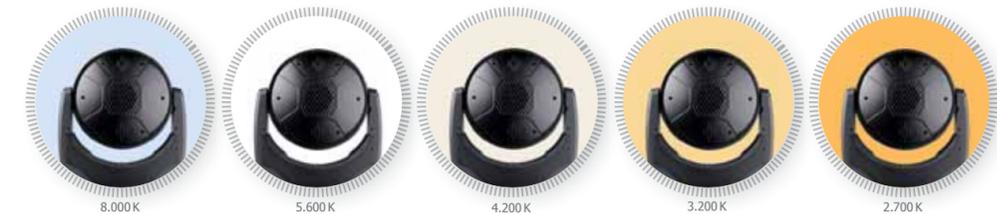
LED colours

ROBIN 1000 LEDBeam is able to produce 4300 from pastel to saturated colours.



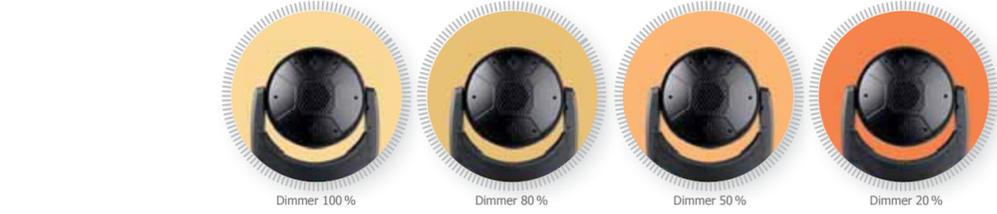
True White Colours

Spotless color mixing 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.

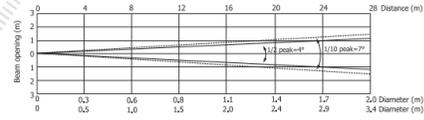


Colours

Individual control of LED zones.

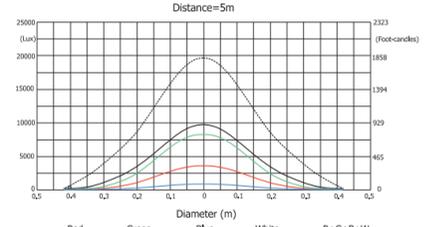


Min. zoom



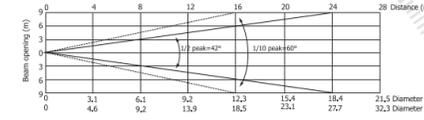
Distance (m)	4	5	8	12	16	20	24	28
Red	227/21	145/115	57/5	25/2,3	14/1,3	9/0,8	6/0,6	5/0,4
Green	484/45	318/29	121/11	54/5	30/3	19/1,8	14/1,2	10/0,9
Blue	76/6,5	45/4,2	18/1,6	8/0,7	4/0,4	2,6/0,3	2/0,2	1,4/0,1
White	594/55	380/35	148/14	66/6	37/3,4	24/2,2	17/1,5	12/1,1
R+G+B+W	177/18	815/76	318/30	142/13	80/7,4	51/4,7	35/3,3	26/2,4

Illuminance distribution



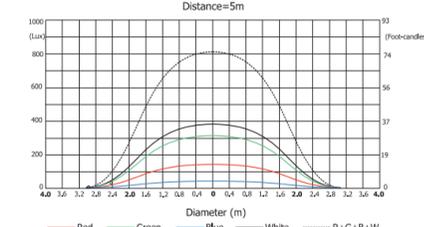
Distance=5m

Max. zoom



Distance (m)	4	5	8	12	16	20	24	28
Red	227/21	145/115	57/5	25/2,3	14/1,3	9/0,8	6/0,6	5/0,4
Green	484/45	318/29	121/11	54/5	30/3	19/1,8	14/1,2	10/0,9
Blue	76/6,5	45/4,2	18/1,6	8/0,7	4/0,4	2,6/0,3	2/0,2	1,4/0,1
White	594/55	380/35	148/14	66/6	37/3,4	24/2,2	17/1,5	12/1,1
R+G+B+W	177/18	815/76	318/30	142/13	80/7,4	51/4,7	35/3,3	26/2,4

Illuminance distribution



Distance=5m

