

# ROBIN

# CATALOGUE

---

## VOLUME 14 2016



**ROBE®**



# ROBIN CATALOGUE

Content

Content .....	1
Intro to the Catalogue .....	2-3
Tomorrow's technologies .....	4-9
ROBIN® BMFL Spot™ .....	12
ROBIN® BMFL Blade™ .....	13
ROBIN® BMFL Wash™ .....	14
ROBIN® BMFL WashBeam™ .....	15
ROBIN® Pointe® .....	16
ROBIN® miniPointe® .....	17
ROBIN® VIVA™ .....	18
ROBIN® Spikie™ .....	19
ROBIN® Square™ .....	20
ROBIN® Linee™ .....	21
ROBIN® MiniMe® .....	22
ROBIN® 1000 LEDBeam™ .....	23
ROBIN® ParFect 100™ .....	24
ROBIN® ParFect S1™ .....	25
ROBIN® ParFect SB1™ .....	26
ROBIN® Strobe™/Strobe Lite™ .....	27
ROBIN® ColorStrobe™/ColorStrobe Lite™ .....	28
ROBIN® CycPix 12™ .....	29
ROBIN® CycBar 15™ .....	30
ROBIN® CycBar 12™ .....	31
ROBIN®CycFX 8™ .....	32
ROBIN® CycFX 4™ .....	33
ROBIN® 800 LEDWash™ .....	34
ROBIN® 1200 LEDWash™ .....	35
ROBIN® 100 LEDBeam™ .....	36
ROBIN® Cyclone™ .....	37
ROBIN® MMX Wash Beam™ .....	39
ROBIN® MMX Blade™ .....	40
ROBIN® MMX Spot™ .....	41
ROBIN® DL7F Wash™ .....	43
ROBIN® DL7S Profile™ .....	44
ROBIN® DL4X Spot™ .....	45
ROBIN® DL4F Wash™ .....	46
ROBIN® DL4S Profile™ .....	47
ROBIN® 6 Actor™ .....	49
ROBIN® 3 Actor™ .....	50
ROBIN® 600E Spot™ .....	52
ROBIN® 600 LEDWash™ .....	53
ROBIN® 600 PureWhite SW™ .....	55
ROBIN® 600 PureWhite WW™ .....	56
ROBIN® 600 PureWhite DL™ .....	57
ROBIN® 300 LEDWash™ .....	59
ROBE Universal Interface WTX™ .....	60
Fine touch features .....	61
Products with wireless .....	62-63
Scoreboard .....	64-69



# THINK OF THE CONSIDER **FUTURE NATURE**



Robe's R&D department is fully focused on developing and producing cutting-edge, innovative, energy-saving products. All seven new products launched at PLASA 2013 fit the Smaller, Lighter and Brighter category, a design philosophy championed by Robe with the launch of the ROBIN series 3 years ago.

**All Robe's brochures** and printed materials are now being produced on **FSC-certified paper** from environmentally friendly sources. The Forest Stewardship Council (FSC) is an international non-profit organization founded in 1993 to support the world's forests. A diverse group of representatives ensure that forests are managed to protect wildlife habitat and respect the rights of local and indigenous communities. The criteria is very strict, and so Robe is proud to display the FSC logo on its printed materials. Those preferring to simply download literature in electronic format to their smartphones and tablet PCs can also now do so via QR codes.

Says MD Josef Valchar, „Robe has already been operating a strong green policy for several years, we are not just jumping onboard a current trend, and now is the time to push this philosophy to the next level“. He adds that Robe intends to keep at the forefront of developing sustainable technologies, encouraging everyone to think seriously and imaginatively about their application in our industry, with „Our collective futures in mind“.

**“THINK OF THE FUTURE & CONSIDER NATURE”** is the mantra of Robe's green initiative, launched at PLASA 2010. It is based on encouraging everyone involved in the show and technical production business to think about the future of the planet and how all can make a difference to its longevity – no matter how small the contribution might appear to be.

As well as saving energy, other popular features of the products are their compact size and weight, which means that more fixtures can fit into a truck, lighter trussing can be used and less manpower is needed during the buildup of the gig. Theatre and TV studios benefit from the reduced levels of heat emitted by the ROBINS which means less use of the AC. Specially designed custom made flightcases ensures efficient and safe transportation for up to as many as 10 units per case, complete with all necessary accessories.





**Robe has been producing high quality, reliable lighting fixtures for many years and with the new environmentally friendly ROBIN series, we are also trying to help make a difference for the future.**

Robe's ROBIN® Series of moving lights combine foresight with the very latest technology in the on-going quest for innovation, the provision of imaginative solutions and the manufacture of good, reliable lighting products that has always driven the company. The ROBIN (Robe Innovative Technology) brand INtroduces the very latest technological developments and trends for its light sources, premium electronic components and optical systems, resulting in very unique and INdividual products that are properly "power-saving" in multiple contexts. Thanks to the INnovation, the ROBINS are just IN.

The latest **DL range products** – now available with 30% brighter Robe LED RGBW Module including the **DL4S Profile** – offer smooth, fast framing shutter system in the optical path of the already proven Spot format. It produces a dynamic colour range plus pure whites at pre-selected 2.700, 3.200, 4.200, 5.600 and 8.000 Kelvin colour temperatures. Authentic Tungsten emulation allows the fixture to be seamlessly integrated into lighting schemes also using traditional fixtures. Robe's **ROBIN DL4X Spot and DL4F Wash** are great examples of eco-friendly products. Based on the world's first high-powered RGBW LED module, they offer the customer a powerful colour output plus 20,000 hours or 3 years warranty on the lightsource. All with an incredibly low power consumption and improved dimming curve. The **DL7S Profile** is the first DL range fixture to receive a powerful new 800W version of the LED engine with seven colours for unprecedented smooth, stable and even colour mixing with high light output while with very low power consumption ensures the minimal re-lamping costs.

The new range of **BMFL – Bright Multi-Functional Luminaires** is the result of Robe listening extensively to the wishes and needs of lighting designers, rental companies and technicians from every corner of the industry and all around the world. The super bright and **BMFL Spot** now has a younger brother the **BMFL Blade** which offer the same incredible light output and a huge range of effects but what more is the 4 super fast and precise blades from framing shutter.

The new **ROBE Square** offers new exciting possibilities by combining video projection, pixel animations, beam effects and LED wash light in continuous rotation movement fixture. LED matrix of 5x5 RGBW multichips in pixel mappable array in five independent zooming layers offer unique effects. Continuous rotation movement of pan and tilt offers creation of video as well as scenographical elements on the scene.

New powerful white **270W LED engine** with low power consumption for **Robin VIVA** offers 20.000 hours of life time and very compact size. Innovative designed sophisticated heat management ensures very quiet operation in this elegant and light weight fixture packed with smart effects that are easy to use. The fixture is very powerful yet consumes little energy.

The power is everything. And talking about energy saving – then we have to mention **Strobe** It could not be anything but THE brightest, best value, most sophisticated LED strobe-blinder effects unit on the market - Ultimately controllable, configurable and arrayable. Using high powered pulses optically harnessed from the 120 x high powered white LED chips that can be adjusted in frequency, duration and intensity.

The brand new **ROBIN Pointe** uses the Osram Sirius HRI 280W lightsource and has quickly become Robe's fastest ever selling product to date. This small, super-bright and very fast multi-purpose moving light unit has a sharp, intense parallel beam and a host of features making it a hugely versatile lightsource.

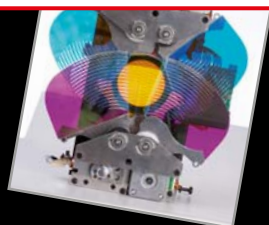
The **ROBIN MiniMe** is a small, neat, fast moving and LED driven fixture... with the addition of full video output. Colours, Gobos and beam shapes are all digitally generated by the on-board micro media server. Custom artwork, still photographs and video can also be simply uploaded for projection, whilst live video can be streamed through the HDMI input.

The **LEDBeam 1000** is a brand new strong and powerful fixture launched in 2014. It utilizes the latest LED technology and can be used as a beam or a wash light. 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. The first **LED PAR** of its kind, Robe's **ParFect 100** is based on the hugely popular LEDBeam 100 technology, with the same optical system and light engine in a static housing. The ParFect 100 uses 12 x 15W RGBW LEDs and has a 7 degree beam angle with the option of additional diffusers to achieve 10, 20 and 45 degrees. The success of this fixture inspired the idea of the LEDPAR with only one light source and a result, the **ParFect S1** and **ParFect H1** are now available in this range. The one LED light source has an output of 8 000 lm and 6000K. Making these products perfect for the exhibition market and fixed installations in theatres.

Another static LED luminaire from ROBE is 1000mm linear strip **CycBar15** which uses 15 equally spaced superbright RGBW multichip LEDs with individual pixel control.

**Robin CycPix 12** is uniquely designed static wash fixture with fast motorized zoom. Each of twelve RGBW multichip can be individually controlled for outstanding visual effects. Colour mixing offers an extensive range of colours – from pastel to saturation, including pre-calibrated chromatics.

# BRINGING YOU TOMORROW'S TECHNOLOGY **TODAY!**



## New CMY/CTO Colour Mixing System

Both Spot and Wash Robin products are equipped with the new CMY/CTO colour mixing system, which can provide rapid and accurate movement without backlash and hysteresis. (Patent pending).



## New Rotating Gobo Wheel

The new rotating gobo wheel with "SLOT&LOCK" gobos (patent pending) offers 7 rotating gobos + hole, the new static gobo wheel with "SLOT&LOCK" gobos (Patent pending) includes 9 gobos + open position.



## New Colour Wheel

The newly designed colour wheel with magnetic "SLOT&LOCK" system (patent pending) provides 7 trapezoid colour filters + open position.



## LCD Touch Screen

Patented intuitive smart presetting and control via a touch screen control panel with battery back-up for fixture set-up without power helps to make the Robin fixtures very cool and easy to control (simply fabulous to touch!). The newly designed self-diagnostics feature with RTC gives the lighting operators and technicians constant operation overview throughout the lifespan of the fixture. (Patent pending).



## Self-switchable Power Supply

Automatic self-switchable power supply units are now a must for worldwide touring shows. They ensure that the correct voltage is always supplied to the lamp without the need for any region-specific adjustments (an appealing feature to any tech!).



## Cooling System

Robin 600 series fixtures are equipped with a newly developed lamp cooling system which ensures the best lamp operating temperatures while maintaining silent running during normal functioning.



### New MSR Platinum 35 Lamp

The exceptional light output of the MMX Spot is provided by Philips MSR Platinum 35 short arc MiniFastFit lamp. This lamp's new features include better CCT stability, longer useful lifetime and enable high light output while requiring only 800W power consumption.



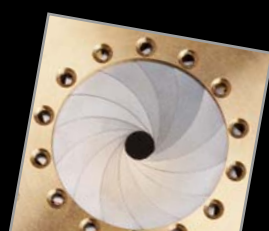
### Multichip

New LED technologies use several LED chips on a single module that creates just perfect point source of extremely smooth new dimensional color 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).



### The Fastest Iris

The new iris – probably the fastest iris on the market – allows the closing and opening cycles up to 3 per second. Combined with the innovative remote hot-spot control, the fixture is delivering the maximum light output at any iris aperture. (Patent pending).



### Newly designed Lens Slide System

The Robin 600E Spot fixtures provide a large 10°–45° zoom range. Consisting of a newly designed lens slide system, which provides controllable and repeatable friction and damping of the lens movement. (Patent pending).

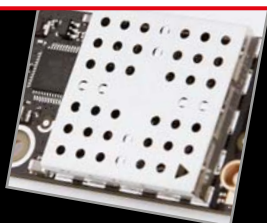


### New Dual Graphic Wheel

Astonishing artistic animations and effects are possible to achieve thanks to the Dual Graphic Wheel. By its unique design it allows creation of interesting Kaleidoscopic effects, as well as effect like fire, water, sky and transitions with morphing through several focusing planes. The wheel also allows movement from side to side. (Patent pending).



# BRINGING YOU TOMORROW'S TECHNOLOGY **TODAY!**



## Wireless

We are utilizing the state of art Wireless DMX/RDM CRMX technology for highly reliable bidirectional wireless connection. This new technology features fixed latency, frame synchronization between receivers, full RDM and other possibilities, like cognitive coexistence, for reliable use in all timing critical environments.



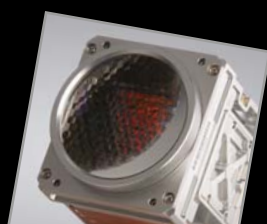
## Framing Shutters Module

Robin DL7S, ROBIN DL4S, BMFL Blade and MMX Blade uses framing shutters with four blades which can be individually controlled, positioned and angled and the whole module can be rotated. This sophisticated system offers smooth variable speed blade movement together with high speed pre-programmed shape and blade sequences. (Patent pending).



## New Effects Moving Head

Cyclone –the new innovative effects moving head product has an integrated fan in the centre of the head surrounded by a ring of high power RGBW multichip LEDs. The light emitted by the LEDs and central Air-Flow of Vari-Speed can be combined with fog and haze to produce dramatic smoke-through-the-fan or Hair-blowing effects. (Patent pending).



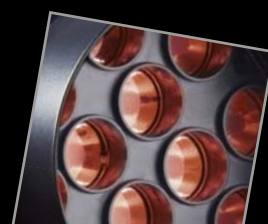
## New LED Engine

Precisely unified and very powerful colour output of our LED light engine now comes with improved design providing 30% more brightness. The module utilizes unique combination of RGBW high powered single chip LEDs for perfect projection, while drawing very little energy and lasting for an amazing 20.000 hours. The LED module is combined with an advanced heat management for very silent operation. (Patent pending).



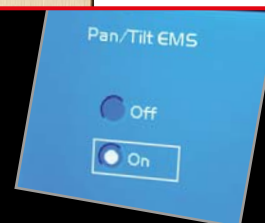
## Motorized Internal Barndoors

Robin DLF Wash and MMX WashBeam use an internal motorized barndoor module for creating various animated shapes and fast effects as well as providing barn door trimming possibilities. The module consists of four individually controllable blades and is rotateable by plus or minus 90 degrees. (Patent pending).



## LEDBeam Optical System

Newly designed optical systems for beam applications giving 7 degrees light beam angle, from sophisticated lenses, eggcrates and additional top-hat. (Patent pending).



## WashBeam Optical System

The Robin MMX WashBeam provides a large 5°–65° zoom range in Beam mode and 4°–54° in Wash mode. It's sophisticated optical system consisting from three independently moving optical groups is enabling to produce variety of different light projections – from a soft edged wash light to a sharp edged beam luminaire depending glass fresnel or plastic beam lens is used. (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).

## Eggcrate

Especially designed eggcrate modules provide different look of the multi-source front face of the fixture, to fit any needs and purposes. Black eggcrate separates each cell especially well for color chases between independently controllable rings, transparent/semi-transparent eggcrate allows light penetration between LED cells and therefore creates more unified, colorful front view of the fixture. (Patent pending).

## EMS™

Aimed at long-throw applications, the newly patented Robe EMS™ (Electronic Motion Stabiliser) technology, enables the BMFL™ and Viva fixtures to minimize and stop additional moving head shaking after motion. EMS is reducing the beam deviation caused by movement or vibration of the truss or set. The image stays right there you put it! (Patent pending).



## LED Beam Shaping Module

Full continuous rotation beam shaping module creates an asymmetrical shaped beam of adjustable width which is highly required for TV and theatrical applications. (Patent pending).

## Lamp Osram Sirius HRI 280 W

High brightness and stable light output are important properties of the high-performance OSRAM SIRIUS HRI @ 280 W lamp. Equipped with special compact reflector and P-VIP technology, this lightweight lamp has been optimized for spectacular light effects of fast moving entertainment fixtures. (Patent pending).

## Homogenizer and heat protection

In order to achieve maximum brightness for prominent beam effects while assuring perfectly flat, edged projection of gobos, our engineers have developed unique dual heat-homogenizer filter (patent pending), which also protects internal components from high temperatures and ensures their prolonged life span. (Patent pending).

# BRINGING YOU TOMORROW'S TECHNOLOGY **TODAY!**



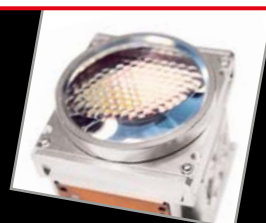
## HTI 1700/PS Lamp

This lamp has been specifically designed for Robe BMFL fixtures. The Lok-it! HTI 1700/PS is compact, highly efficient, single-ended short-arc metal halide lamp with 6000 Kelvin colour temperature with extremely high CRI of 90. The lamp can be operated on 1700W, 1500W or 1200W (quiet mode) and is offering amazing lifetime of 750 hours in all modes.



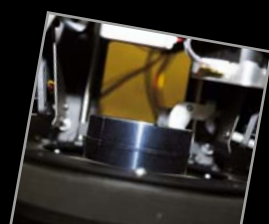
## White LED Engine

New powerful white 270W LED engine with low power consumption for Robin VIVA offers 20,000 hours of life time and very compact size. Innovative designed sophisticated heat management ensures very quiet operation.



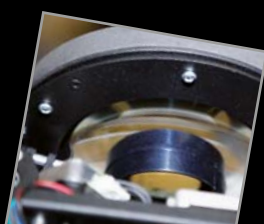
## Full spectrum of LED engine

The brand new proprietary 800W Robe LED Module for DL7 range offers an unique combination of 7 colours providing rich colour spectrum experience. The driving system has been modified for even finer colour mixing and dimming for extra smooth, stepless operation especially at minimum brightness levels. (Patent pending).



## Robin VIVA Optics

Efficiency has been our primary goal for the Robin VIVA optical module which has been equipped with highly effective wide diameter lensing assembly for improved light collecting power. (Patent pending).



## Pointe Optical System

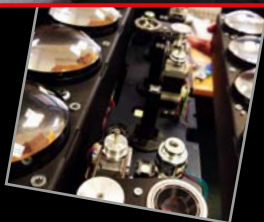
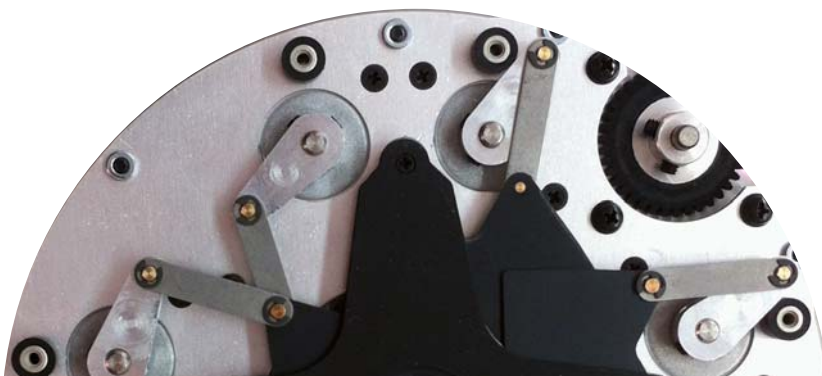
This state of art complex multi-element optical system has been designed for punchy bright parallel beams, crisp gobo projections, smooth wash like output and spectacular in air effects. Sophisticated anti reflex coating centers the light rays and increases efficiency. (Patent pending).



## LED Beam/Wash Optics

The high power RGBW LED multichip lightsource includes specially developed mixing system which utilizes optical rods and set of axially positioned lenses, ensuring spectacular zoom effects from tight 4° to wide 60° light output. (Patent pending).





### Zoom system

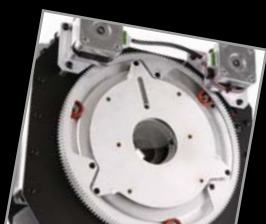
Five independent zooming layers in ROBIN Square offer unique possibilities of zoom waves and combination of wash coverage on the edges and beam effect in the center at the same time. (Patent pending)

### Effect engine

Nine individually controllable effect engine elements, which are used in ROBIN Square can create fascinating beam effects or in air animations and provide innovative approach and new design element to pixel mappable applications. (Patent pending)

### LED Dimming Technology

For application where extra smooth slow dimming is required we have designed new generation of LED driving with 18-bit dimming system which provides not only unprecedented dimming quality but also offers extra wide scale of mixable soft hues and gentle color transitions. (Patent pending)



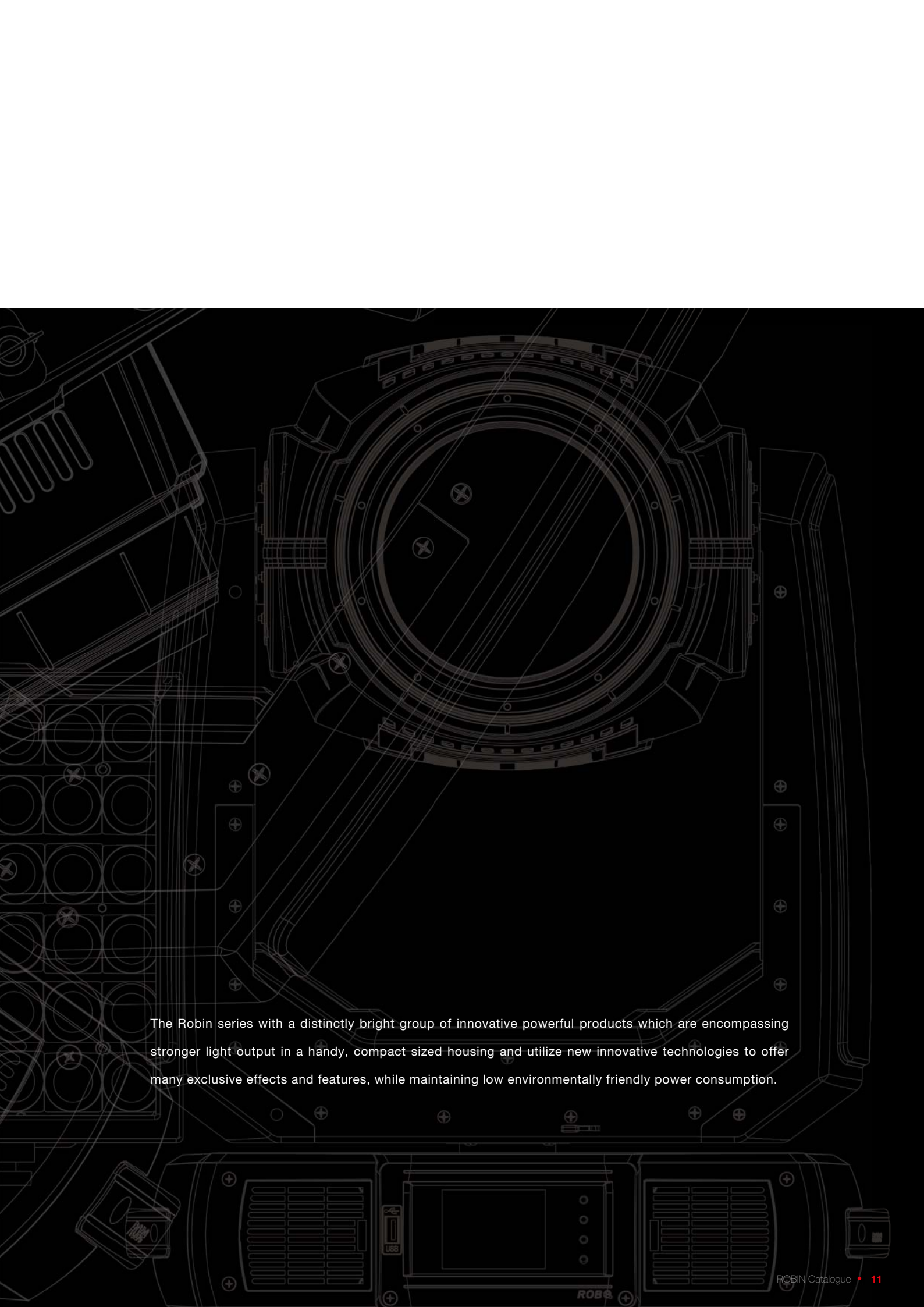
### Scrim Module

New innovative internal Scrim module of graduated filter can be inserted into the light path and allows rotation of the whole assembly  $\pm 180^\circ$  to achieve even wash coverage when projecting onto a non-perpendicular surface.

# ROBIN<sup>®</sup>

**NEW PRODUCTS**



A detailed technical line drawing of a ROBE Robin stage light fixture. The drawing shows the front view of the light, highlighting its circular lens, the mounting bracket, and the internal components. The ROBE logo is visible on the bottom right of the fixture. The drawing is rendered in a dark, high-contrast style, emphasizing the mechanical details and the overall design of the product.

The Robin series with a distinctly bright group of innovative powerful products which are encompassing stronger light output in a handy, compact sized housing and utilize new innovative technologies to offer many exclusive effects and features, while maintaining low environmentally friendly power consumption.



# ROBIN® BMFL™ Spot

**The BMFL™ - Bright Multi-Functional Luminaire** - the much anticipated new lighting fixture from Robe, brings a real game changer in the world of moving lights.

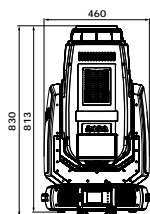
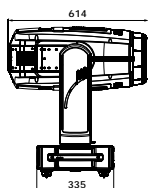
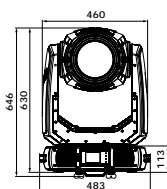
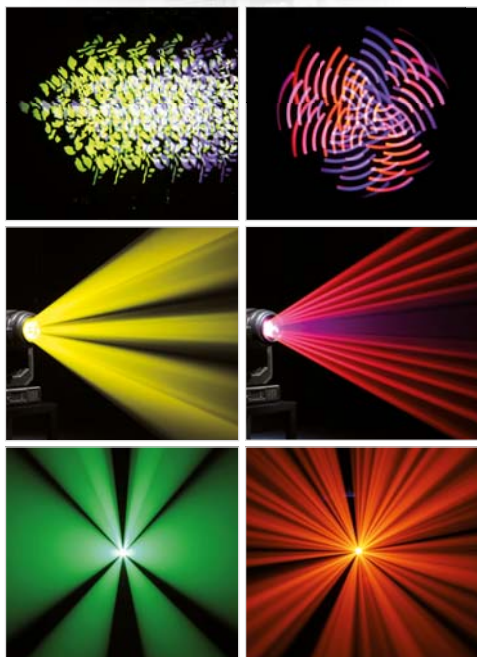
The BMFL™ Spot has a custom light source designed for Robe and produces a staggering powerful 250.000 lx at 5 metres - no other product currently on the market can equal this output! Despite its power and comprehensive feature set, it weighs just 36 Kgs... and has a compact body profile. The lamp produces light at a CRI of 90, this combined with a refined optical system, 5 – 55 degree zoom, results in a crisp, high quality fat beam that is truly homogenised and without a hotspot.

The new, high definition colour mixing technology can produce a full spectrum of colours. There are also two colour wheels which include filters that can be utilised to adjust colour temperature and improve the CRI of the white output in aging lamps. There are two rotating gobo wheels - each with six "SLOT&LOCK" gobo positions. There are also two Rotating Prisms. The Dual Graphic Wheels both focus within the same focal plane and the rotation and movement can be individually controlled and varied... to create ultra-cool, infinitely subtle special effects. The frost and dimming functions provide further effects. Three grades of Frost are available and the dimmer is exceptionally smooth with no distortion, so the full beam width is visible right up to the point at which it disappears. The strobe effect is authentic with up to 10 flashes per second!

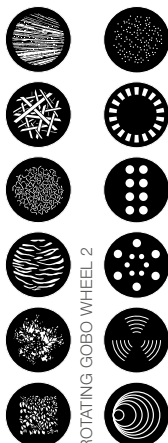
Aimed at long-throw applications, the newly patented Robe EMS™ (Electronic Motion Stabiliser) technology, enables the BMFL™ to absorb vibrations from audio outputs, truss movement, sprung or suspended floors, etc. The BMFL™ is a very powerful, feature packed luminaire that will provide a real signature light source for any project.

## TECHNICAL SPECIFICATION

- Lamp: Compact short-arc metal halide lamp  
Approved model: Osram Lok-it! HTI 1700/PS
- Life time: 750hours @ 1.700W / 1.500W / quiet mode
- CRI 90, Colour Temperature 6.000K
- Fixture total lumen output: 40.000 lm at 1.700W / 36.500 lm at 1.500W  
32.000 lm at quiet mode
- 250.000 lx @ 5m, 2.500 lx @ 50m
- Fixture light output CRI 82 (up to 94 in combination with minus green filters)
- Dichroic glass reflector for maximising the light efficiency
- 11:1 Zoom optical system
- Beam angle: Zoom range: 5° – 55°
- Output Lens diameter: 160 mm
- 12x Rotating Glass gobos on 2 wheels
- Variable CTO: 2.700–6.000K
- Colour wheel 1 with 6 fixed dichroic colours: deep red, deep blue, orange, green, magenta, congo blue + white
- Colour wheel 2 with 6 replaceable "SLOT&LOCK" dichroic colours: pink, lavender, laser green, 9.000K CTB, minus half and minus green + white
- Dual Graphic Wheel with two animation discs, individual control of rotation of each disc
- Effects: 6-facet circular and 6-facet linear rotating and indexable prisms
- Rotating Gobo wheel 1: 6 rotating, indexable, replaceable "SLOT&LOCK" glass gobos + open
- Rotating Gobo wheel 2: 6 rotating, indexable, replaceable "SLOT&LOCK" glass gobos + open
- Iris: Motorized, stepless, pulse effects up to 3 Hz
- Frost : variable Light, Medium and Heavy Frosts
- Dimmer: Optimized dual blade system for exceptional smooth dimming
- Shutter: Separate dual blade system, Variable strobe effect up to 10 Hz, full black out
- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Protocols: USITT DMX-512, RDM, Art-Net, MA Net, MA Net2, sACN
- Wireless CRMX™ technology from Lumen Radio (on request)
- Control channels: 41, 33
- 2 DMX protocol modes
- QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC
- Ethernet port: Art-Net, MA Net, MA Net 2, sACN
- Data in/out: Locking 3-pin & 5-pin XLR
- Power in: Neutrik PowerCon
- Weight: 36 kg (79 lbs)



ROTATING GOBO WHEEL 1



ROTATING GOBO WHEEL 2



# ROBIN® BMFL™ Blade

**The BMFL™ – Bright Multi-Functional Luminaire** – the game changer in the world of moving lights, has another trick up it's sleeve - four fast shutter blades with smooth and precise movement in the new BMFL Blade lighting fixture.

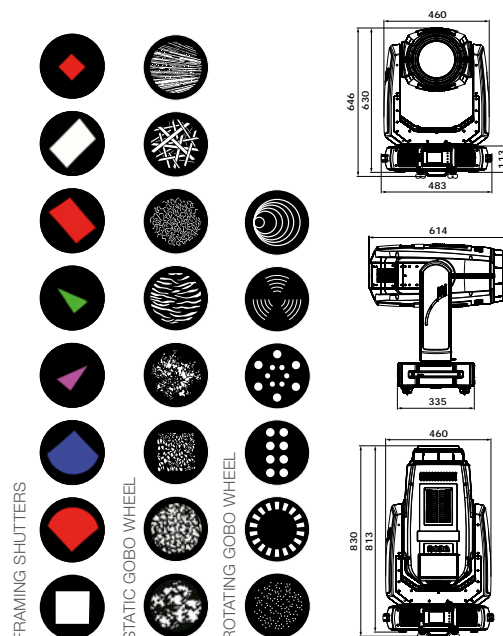
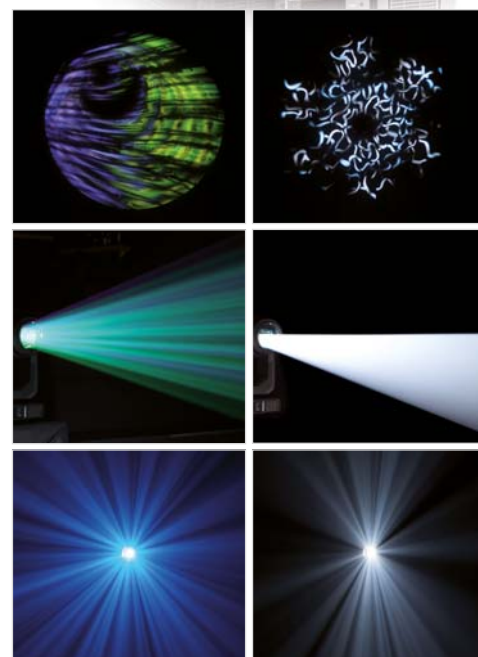
Four fast shutter blades with smooth and precise movement in the new BMFL™ Blade lighting fixture. Individually angled and positioned within a frame - which itself can rotate through 90 degrees, providing a sharp or soft, precisely repeatable, frame for the projected image.

Producing a new series of fast-moving in-air effects through pre-programmed shape and movement sequences of the blades, gobo images can be trimmed or framed in a regular, triangular or trapezoid shape. Each pair of opposing blades can close to a complete blackout. Two gobo wheels – one rotating with six "SLOT&LOCK" gobo positions plus another with 8 static gobos can be combined with the Animation wheel to create numerous dynamic projected effects.

Add all this to the already acclaimed BMFL™ features including: exceptionally smooth linear dimming, imperceptible high definition colour mixing, full width beam, output in excess of 250.000 lx at 5 metres - and the Robe EMS™ (Electronic Motion Stabiliser) technology, enabling the BMFL™ to both move and stop faster and more precisely than any other fixture in its class - all this housed in a compact body profile weighing just 37.9 kgs.

## TECHNICAL SPECIFICATION

- Lamp: Compact short-arc metal halide lamp  
Approved model: Osram Lok-it! HTI 1700/PS
- Life time: 750hours @ 1.700W / 1.500W / quiet mode
- CRI 90, Colour Temperature 6.000K
- Fixture total lumen output: 40.000 lm at 1.700W / 36.500 lm at 1.500W  
32.000 lm at quiet mode
- 250.000 lx @ 5m, 2.500 lx @ 50m
- Dichroic glass reflector for maximising the light efficiency
- 11:1 Zoom optical system
- Beam angle: Zoom range: 5° – 55°
- Output Lens diameter: 160 mm
- Colour wheel 1 with 6 fixed dichroic colours: deep red, deep blue, orange, green, magenta, congo blue + white
- Colour wheel 2 with 6 replaceable "SLOT&LOCK" dichroic colours: pink, lavender, laser green, 9.000K CTB, minus half and minus green + white
- Aluminium Animation Wheel, used alone or in combination with gobos, rotating in both directions at variable speed
- Effects: 6-facet circular and 6-facet linear rotating and indexable prisms
- Rotating Gobo wheel: 6 rotating, indexable, replaceable "SLOT&LOCK" glass gobos + open
- Static Gobo wheel: 8 static, replaceable "SLOT&LOCK" glass gobos + open
- Framing shutters: 4 individually positionable blades plus rotation of the complete frame system +- 45°
- Smooth blade movements at variable speed
- Ultrafast blade movements for creating mid-air effects
- Pre-programmed shape and blade sequences
- 90° rotation of the complete framing system
- Iris: Motorized, stepless, pulse effects up to 3 Hz
- Frost : Variable Light, Medium and Heavy Frosts
- Dimmer: Optimized dual blade system for exceptional smooth dimming
- Shutter: Separate dual blade system, Variable strobe effect up to 10 Hz, full black out
- EMS™: Electronic Motion Stabiliser system for reducing beam deviation caused by truss movement or vibration (Patent pending)
- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Protocols: USITT DMX-512, RDM, Art-Net, MA Net, MA Net2, sACN
- Wireless CRMX™ technology from Lumen Radio (on request)
- Control channels: 49, 42
- 2 DMX protocol modes
- QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC
- Ethernet port: Art-Net, MA Net, MA Net 2, sACN
- Data in/out: Locking 3-pin & 5-pin XLR
- Power in: Neutrik PowerCon
- Weight: 37.9 kg (83.6 lbs)





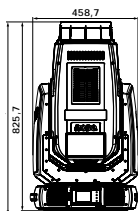
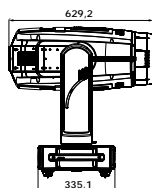
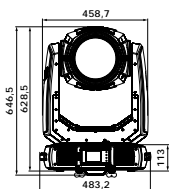
# ROBIN® BMFL™ Wash

BMFL™ Wash is the ultimate 1.700W lamp based wash light with a large 200 mm diameter front fresnel lens for high quality traditional wash output ranging from a punchy tight 4.5° to a smooth 55°. Custom interchangeable frost filters with three grades (light, medium and heavy) for an extremely gentle soft touch. CMY + CTO colour mixing filters for the unprecedented BMFL quality of colour transitions and two colour wheels with 6 colours each, one with custom replaceable "SLOT&LOCK" positions. Advanced DMX controllable edge aberration correction for smoother hues and seamless coverage.

The optional XF module expands the features of the BMFL Wash with innovative internal Scrim having a graduated filter, which can be inserted to the light path and allowing rotation of the whole assembly plus/minus 180° to achieve even wash coverage when projecting onto a non-perpendicular surface and internal motorised barndoors for creating different unique shapes and chases which also simulate barndoor effects. The barndoor module consists of four individually controllable blades and is rotatable by 180 degrees.

## TECHNICAL SPECIFICATION

- Lamp: Compact short-arc metal halide lamp  
Approved model: OSRAM Lok-it! HTI 1700/PS
- Lifetime: 750 hours @ 1.700W / 1.500W / quiet mode
- CRI 90, Colour Temperature 6.000 K
- Fixture total lumen output: 38.000 lm at 1.700W / 32.680 lm at 1.500W  
27.630 lm at quiet mode
- 120.000 lx @ 5m
- Dichroic glass reflector for maximising the light efficiency
- 10:1 Zoom optical system
- Beam angle: Zoom range 4.5° – 55°
- Output Lens diameter: 200 mm
- Colour wheel 1 with 6 fixed dichroic colours: deep red, deep blue, orange, green, magenta, congo blue + white
- Colour wheel 2 with 6 replaceable "SLOT&LOCK" dichroic colours: pink, lavender, laser green, 9000 K CTB, minus half and minus green + white
- Interchangeable frost, two optional filters included
- Dimmer: Optimized dual blade system for exceptional smooth dimming
- Shutter: Separate dual blade system, Variable strobe effect up to 10 Hz, full black out
- Edge colour correction
- EMS™: Electronic Motion Stabiliser system for reducing beam deviation caused by truss movement or vibration (Patent pending)
- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN
- Wireless CRMX™ technology from Lumen Radio (on request)
- Control channels: BMFL Wash - 25, 21  
BMFL Wash XF - 34, 30
- Protocol modes: BMFL Wash - 2 DMX  
BMFL Wash XF - 2 DMX
- QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC
- Ethernet port: Art-Net, MA Net, MA Net 2, sACN
- Data in/out: Locking 3-pin & 5-pin XLR
- Power in: Neutrik PowerCon
- Power consumption: max. 2.000W at 230 V / 50 Hz
- Weight: 35 kg (77.2 lbs)
- Optional XF module  
Beam Shaper (Internal barndoors): individual position control of 4 "doors", +/- 90° module rotation (patent pending)  
Scrim module: Graduated filter position control, +/- 180° module rotation (patent pending)



BARNDOOR SHAPES AND EFFECTS





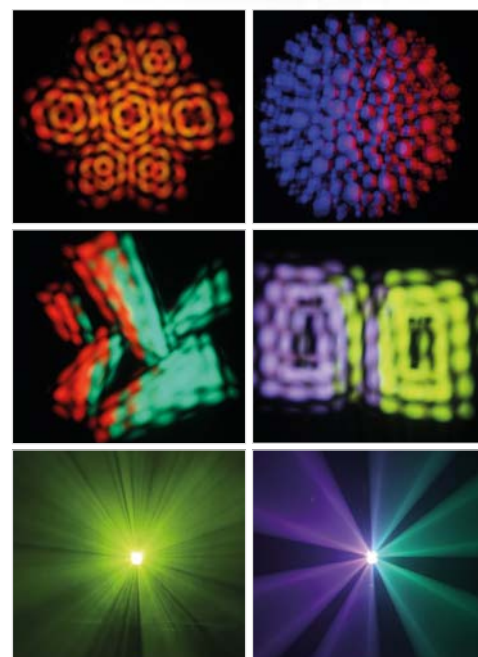
# ROBIN® BMFL™ WashBeam

The strong-arm of the BMFL™ family — the superbly powerful BMFL WashBeam comes with extra bright output and an abundance of great features, e.g newly developed framing shutters, super wide front lens and animation wheel.

The BMFL WashBeam will enhance any show with its large beam produced through wide 180 mm front lens. With custom light source designed for Robe it produces an astounding 300.000 lx at 5 metres! Rotating gobo wheel with carefully selected gobos ensure many combinations of in air animations, but can also produce nice spot-like projections on surfaces. Four fast shutter blades with smooth and precise movement offer individually angled positions within a frame — which itself can rotate through 90 degrees, providing a sharp or soft, precisely repeatable frame for the projected image. Fast movement of the framing system also allows unique in air beam effects. Adding frost filters can enhance the projection by adding smooth touches to the beam's edge.

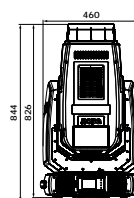
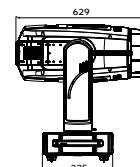
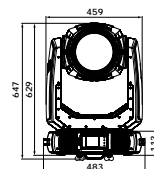
## TECHNICAL SPECIFICATION

- Lamp: Compact short-arc metal halide lamp  
Approved model: OSRAM Lok-it! HTI 1700/PS
- Lifetime: 750 hours @ 1.700W / 1.500W / quiet mode
- CRI 90, Colour Temperature 6.000 K
- Fixture total lumen output: 41.000 lm at 1.700W / 38.130 lm at 1.500W  
33.620 lm at quiet mode
- 300.000 lx @ 5m, 3.000 lx @ 50m
- Dichroic glass reflector for maximising the light efficiency
- 9:1 Zoom optical system
- Beam angle: Zoom range 5° – 45°
- Output Lens diameter: 180 mm
- Rotating Gobo wheel: 6 rotating, indexable, replaceable "SLOT&LOCK" glass gobos + open
- Colour wheel 1 with 6 fixed dichroic colours: deep red, deep blue, orange, green, magenta, congo blue + white
- Colour wheel 2 with 6 replaceable "SLOT&LOCK" dichroic colours: pink, lavender, laser green, 9000 K CTB, minus half and minus green + white
- Framing shutters: 4 individually positionable blades plus rotation of the complete frame system +-45°
- Aluminium Animation Wheel: used alone or in combination with gobos, rotating in both directions at variable speed
- Iris: Motorized, stepless, pulse effects up to 3 Hz
- Frost: Variable Light, Medium plus replaceable
- Heavy (two another frosts included)
- Dimmer: Optimized dual blade system for exceptional smooth dimming
- Shutter: Separate dual blade system, Variable strobe effect up to 10 Hz, full black out
- EMS™: Electronic Motion Stabiliser system for reducing beam deviation caused by truss movement or vibration (Patent pending)
- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN
- Wireless CRMX™ technology from Lumen Radio (on request)
- Control channels: 48, 41
- Protocol modes: 2 DMX
- QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC
- Ethernet port: Art-Net, MA Net, MA Net 2, sACN
- Data in/out: Locking 3-pin & 5-pin XLR
- Power in: Neutrik PowerCon
- Weight: 38.4 kg (84.7 lbs)



FRAMING SHUTTERS

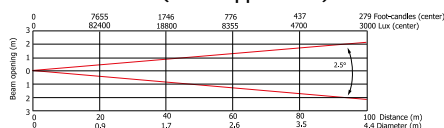
ROTATING GOBO WHEEL



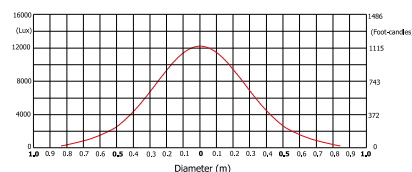
# ROBIN® Pointe®



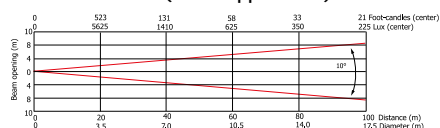
Min. Zoom (Beam application)



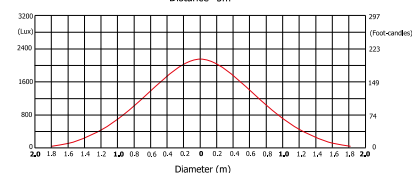
Illuminance distribution  
Distance=5m



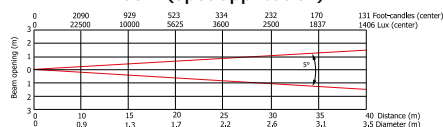
Max. Zoom (Beam application)



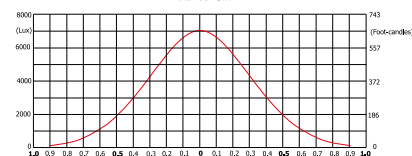
Illuminance distribution  
Distance=5m



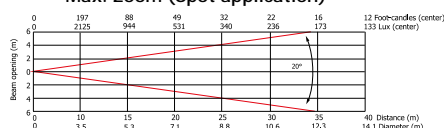
Min. Zoom (Spot application)



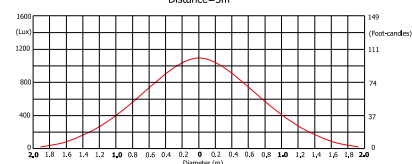
Illuminance distribution  
Distance=5m



Max. Zoom (Spot application)



Illuminance distribution  
Distance=5m



Here's our Point. It's very bright and super-fast with a sharp parallel beam that cuts through the air and across video with ease.

It can project a static or rotating glass gobo to produce precision in-air and surface images with an even focal plane. Tight or at full 20 degree zoom, the output is crystal clear and brilliant. Add in either rotating, 6 way linear or 8-way circular prisms to create wide reaching effects across any set.

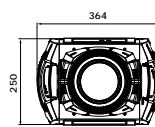
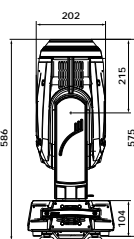
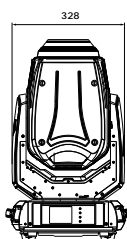
Drop in the frost filter and use any of the 13 rich colours to create a smooth even wash. The Pointe has an output far greater in size, quality and power than seems possible from its small, lightweight body – due to the efficient short arc 280W discharge source and the Robe optical configuration.

This new technology fixture even travels efficiently in a case of 4 and will cover all your needs – Beam, Spot, Wash, FX - there is no Point in using any other fixture.

**You get the Pointe?**

## TECHNICAL SPECIFICATION

- Discharge short arc lamp with integrated reflector - Osram Sirius HRI 280W
- Light Output:  
Beam mode: 82.400 lx @ 20 m distance  
Spot mode: 90.000 lx @ 5 m distance
- Zoom range: Beam 2,5°–10°; Spot 5°–20°
- Colour wheel with 13 dichroic filters + white
- Rotating gobo wheel with 9 user replaceable "SLOT&LOCK" gobos + open
- Static gobo wheel with 14 gobos + open
- 6-facet linear prism, indexable and rotating in both directions at different speeds
- 8-facet circular prism, indexable and rotating in both directions at different speeds
- Variable frost effect
- Mechanical dimmer/shutter, Strobe effect 1/10 Hz
- Pan and tilt movement in 16/8 bit resolution 540° / 270° with locking mechanism
- Control channels: 24, 16, 30
- 3 DMX Protocol Modes
- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- QVGA Robe touch screen with battery backup gravitation sensor for auto screen positioning operation memory service log with RTC
- Communication protocols USITT DMX-512, Art-Net, MA Net, MA Net2, RDM, sACN
- Electronic auto ranging power supply 100–240 V AC, 50–60 Hz
- Optional wireless version available: CRM<sup>TM</sup> technology from Lumen Radio
- Data in/out: Locking 5-pin XLR
- Power in/out: NeutrikPowerCon
- Weight only 15 kg



STATIC GOBO WHEEL

ROTATING GOBO WHEEL



# ROBIN® miniPointe®

Our new miniPointe® is a tiny agile air cutter specifically designed to produce sharp beam and aerial effects especially in venues constrained by size.

Striking bright 0° parallel beams with glowing colours and static gobo wheel patterns can be multiplied by innovative dynamic flower effect (DFE™) producing various shapes of flower beams DFE dynamically changing in the air.

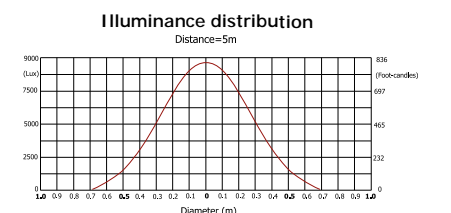
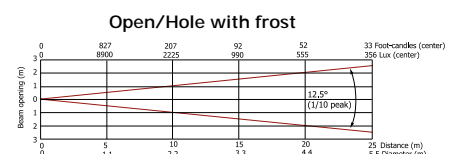
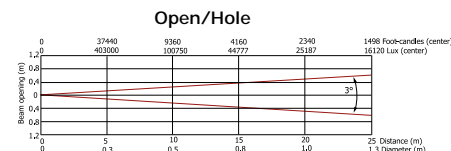
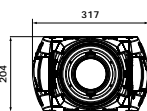
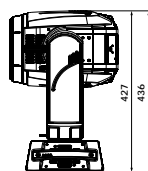
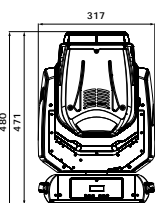
Fine-tuned short arc of the Osram Sirius HRI 140W RO lamp and optimized optical system pushes with ease through haze and fog.

Smooth variable frost filter and any one of the 13 rich colours is instantly ready to create a smooth instantly ready to create smooth even wash, extending the feature set of this petite but powerful Beam, Wash and Effect fixture.



## TECHNICAL SPECIFICATION

- Lamp: Discharge short arc lamp with integrated reflector
- Approved model: Osram Sirius HRI 140W RO
- Life time: 6.000 hours
- Beam angle: 0.7°/1.2°/1.8° with beam reducer
- Built-in analyser for easy fault finding
- Colour wheel: 13 dichroic filters + white
- Static Gobo wheel: 10 gobos + 3 beam reducers + open, thickness: 0.5 mm, gobo image, diameter: 6.8 mm
- DFE™ – Dynamic Flower Effect – creating spectacular beam effects in the air which can change shape, size and speed of rotation (patent pending)
- Frost effect: Separate, variable
- Beam Shaper: Variable shape, indexable and rotatable
- Dimmer: Smooth dimming
- Dimmer/Shutter: Full range dimming and variable strobe effect
- Setting & Addressing: Two-row LCD display & 4 control buttons
- Protocols: USITT DMX-512, RDM
- Optional wireless external module available:
- CRMX™ technology from Lumen Radio
- Control channels: 22, 17, 27
- 3 DMX protocol modes
- 3-editable programs, each up to 40 steps
- Power in/out: Neutrik PowerCon
- Power supply: Electronic auto-ranging, input
- Voltage range: 100–240 V, 50/60 Hz
- Weight: 11.8 kg (26 lbs)





# ROBIN® VIVA™

Elegant and lightweight, Robe's VIVA is packed with smart effects that are easy to use. The fixture is very powerful yet consumes little energy.

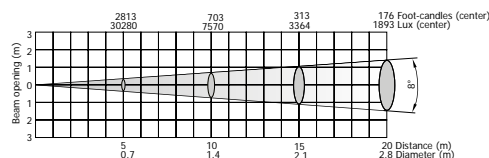
The 270W white LED light engine gives an extra punchy beam and an incredible 20.000 hours of operation – in fact, no re-lamping will be needed for the entire life of the fixture! Vivid and radiant colours can be applied from two colour wheels, and rotating or static gobos added for projections or mid-air effects. The smooth zoom can go out to 40 degrees at its widest and be softened it up with variable frost to create a gentle wash-like output or dynamic background projections.

The minimum 8° zoom produces a piercing beam that can be trimmed with ultra-fast stepless iris for really punchy output, and VIVA has extremely fast pan/tilt movement using Robe's proprietary EMS™ (Electronic Motion Stabiliser) technology. That and much more is possible with VIVA – entertaining and contemporary!

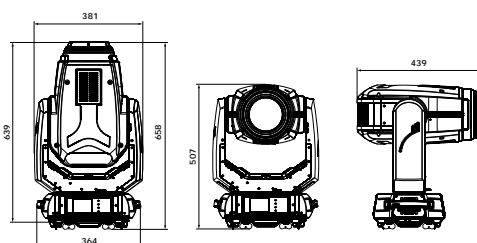
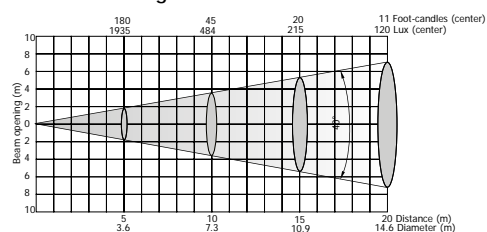
## TECHNICAL SPECIFICATION

- Light source: 270W white LED engine
- LED engine life expectancy: 20.000 hrs
- Beam angle: Zoom range 8°–40°
- Colour wheel 1 with 7 fixed dichroic colours + white
- Colour wheel 2 with 7 replaceable "SLOT&LOCK" dichroic colours + white
- 3-facet circular rotating prism
- Rotating Gobo wheel: 7 rotating, indexable, replaceable "SLOT&LOCK" glass gobos + open
- Static Gobo wheel: 9 gobos + open
- Iris: Motorized, stepless, pulse effects up to 3 Hz
- Frost: variable, replaceable 20° frost filter; 1°, 10° and 30°
- Dimmer (internal 18 bit): 8 or 16 bit
- Motorized zoom and focus
- EMS™: Electronic Motion Stabiliser system for reducing beam deviation caused by truss movement or vibration
- Control channels: 30, 23
- 2 DMX protocol modes
- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Protocols: USITT DMX-512, RDM, Art-Net, MA Net, MA Net2, sACN
- Wireless CRMX™ technology from Lumen Radio (on request)
- 3-editable programs, each up to 100 steps
- QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC
- Ethernet port: Art-Net, MA Net, MA Net 2, sACN
- Data in/out: Locking 3-pin & 5-pin XLR
- Power in: Neutrik PowerCon True1
- Weight only: 17.5 kg (38.6 lbs)
- Optional accessories: Frost filters 1°, 10°, 30°

Beam angle 8° - Min. zoom



Beam angle 40° - Max. zoom





# ROBIN® Spikie®

Spikie, a small, super fast LED WashBeam, which utilises a single 60W RGBW light source with a specially designed 110mm wide front lens producing a solid beam. The fixture quickly zooms from a soft wide 28° wash to a tight sharp-edged 4° beam or one of two new stunning air effects.

The new innovative Flower Effect creates sharp multicoloured spikes of light, rotating in both directions at variable speed. Additionally, a unique Beam Effect Engine transforms the output into a dynamic ray of three narrow beams, creating another new visual effect to the show.

Continuous rotation of pan and tilt gives new dynamic elements across the stage.

Spikie is a very compact 6.5 kg fixture, which can be hung in any position. It is supplied complete with one Omega bracket and is available in cardboard, six-way, eight-way and twelve-way cases.



## TECHNICAL SPECIFICATION

- Light source: 60W RGBW LED
- LED life expectancy: min. 20.000 hrs
- Typical lumen maintenance: 70% @ 20.000 hrs
- Total lumen output: 1.800 lm (min. 13.000 lx@5m)
- Output Lens diameter: 110 mm
- Beam angle: Zoom range 4°–28°
- Beam Effect Engine transforms the output into a dynamic ray of three rotating narrow beams (Patent pending)
- Flower Effect - creates sharp multicoloured spikes of light, rotating in both directions at variable speed (Patent pending)
- RGBW (CMY) colour mixing
- Variable CTO 2.700 - 8.000 K
- Virtual colour wheel with 66 preset LEE swatches + 12 Robin BMFL equivalent colours + 10 user colours
- Tungsten lamp effect at whites 2.700 K and 3.200 K
- Colour rainbow effects in both directions with variable speed
- High resolution electronic dimming 0–100%
- Strobe effect with variable speed (max. 20 flashes per second)
- Pre-programmed random strobe & pulse effects
- Setting & Addressing: two-row LCD display & 4 control buttons
- Protocols: 2 DMX protocol modes
- Wireless CRMX™ technology from Lumen Radio (on request)
- Control Channels: 21, 16
- Protocol modes: 2 DMX
- Programs: 6 editable, each up to 25 steps
- Data in/out: Locking 5-pin XLR
- Power in/out: Neutrik PowerCon True1 in/out
- Power supply: Electronic auto-ranging
- Input voltage range: 100-240 V, 50/60 Hz
- Power consumption: Max. 130 W at 230 V / 50 Hz\*
- Weight: 5.5 kg (12.1lbs)
- Rigging: Mounting points with one pair of 1/4-turn locks; 1x Omega bracket with 1/4-turn quick locks
- Universal operating position

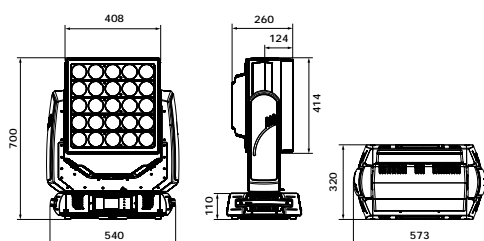
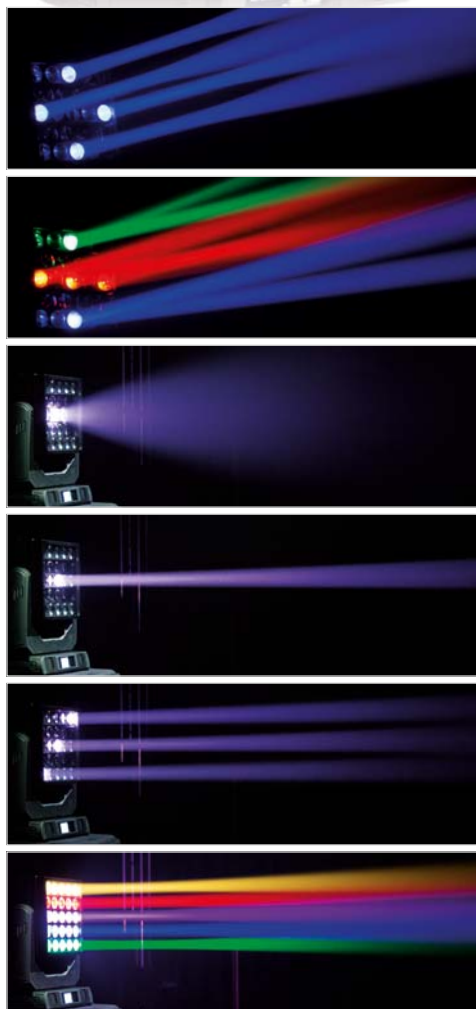


# ROBIN<sup>®</sup> Square<sup>™</sup>

The ROBE Square offers new exciting possibilities by combining video projection, pixel animations, beam effects and LED wash light all in a continuous rotation movement fixture. LED matrix of 25 powerful RGBW multichips in pixel mappable array can be controlled via traditional RGB channels or via easy to use network driven application. Nine individually controllable effect engines can create beam effects or In-air animations. Five independent zooming layers offer unique possibilities of zoom waves and combination of wash coverage on the edges and beam effect in the center at the same time. Continuous rotation movement of pan and tilt offers creation of video as well as scenographical elements on the scene.

## TECHNICAL SPECIFICATION

- Light Source Type: 25x 30W RGBW multichips
- Fixture total lumen output: 7.500 lm
- Light Output: 35.000 lx @ 5 m
- LED Life Expectancy: minimum 20.000 hours
- Typical Lumen Maintenance: 70% @ 20.000 hours
- Optical lenses with compensated colour aberration
- Zoom range (5 LED lines On): 4°–38° (46° at 2 LED lines On)
- 5 independent zooming modules, each module consisting of 5 LEDs in linear configuration
- 9 independently controllable Beam Effect Engines, creating dynamic rays of micro-beams in the air (Patent pending)
- Individual control of each RGBW pixel
- Colour Mixing System: RGBW/CMY, variable CTO
- Virtual colour wheel with pre-programmed 237 colours including whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- Tungsten lamp effect at whites 2.700 K and 3.200 K (red shift and thermal delay during dimming)
- Colour rainbow effect with variable speed
- Pan/Tilt movement 360° with continuous rotation control
- Dimmer (internal 18 bit): 8 or 16 bit
- Pre-programmed pixel effects with colour, dimming and strobe chases, waves and pulses at variable speed and directions
- Strobe effect with variable speed (max.20 flashes per second)
- Preprogrammed random strobe & pulse effects
- Pan/Tilt movement 360° with continuous rotation control
- Dimmer (internal 18 bit): 8 or 16 bit
- Setting & Addressing: Robe Navigation System 2 (RNS2)
- Protocols: USITT DMX-512, RDM, Art-Net, MA Net, MA Net2, sACN, Kling-Net
- Wireless CRMX<sup>™</sup> technology from Lumen Radio (on request)
- Control Channels: 24, 43, 118
- Protocol Modes: 3
- 3 editable programs, each up to 100 steps
- Display: QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC
- Dimmer (internal 18 bit): 8 or 16 bit
- Data in/out: Locking 3-pin & 5-pin XLR
- Ethernet switch 10/100 Mbps: 1 x In / 1 x Out
- Power Consumption: max. 800W
- Power in: Neutrik PowerCon True1
- Movement resolution: 16 bit
- Position correction: Automatic Pan/Tilt
- Weight: 36.5 kg (80.5 lbs)
- Rigging: Mounting points with 2 pairs of 1/4-turn locks; 2x Omega brackets with 1/4-turn quick locks; universal mounting position



# ROBIN® Linee®

The Linee produces a powerful zoomable blade of light, which either cuts through the air easily or creates beautiful soft wash light. This continuously rotatable unit has a zoom range from 4° to 33° and each pixel can be individually controlled. The unit, which is well combinable with the Square and is of the same width, consists of a line of five 30W RGBW multichips.

Turn The Linee into an effect light with the implemented Beam Effect Engines. The light output can be quickly turned into a dynamic ray of microbeams in the air. These Effect Engines can be rotated in both directions at variable speed.

The product has Ethernet pass through and implemented Kling-Net protocol for easy video mapping and control.



## TECHNICAL SPECIFICATION

- Light source: 5x 30W RGBW LED multichips
- Led Life Expectancy: minimum 20.000 hours
- Typical Lumen Maintenance: 70% @ 20.000 hours
- Beam angle: Zoom range 4°–33°
- High efficient component optics
- Optical lenses with compensated colour aberration
- 3 independently controllable Beam Effect Engines, creating dynamic rays of microbeams in the air (Patent pending)
- Individual control of each RGBW pixel
- Colour mixing system: RGBW/CMY
- Variable CTO
- Virtual Colour wheel with pre-programmed: 237 colours including whites (2.700 K, 3.200 K, 4.200 K, 5.600 K, 8.000 K)
- Tungsten lamp effect at whites 2.700 K and 3.200 K (red shift and thermal delay during dimming)
- Colour rainbow effect with variable speed
- Pre-programmed pixel effects with colour, dimming and strobe chases, waves and pulses at variable speed and directions
- Dimmer (internal 18 bit): 8 or 16 bit
- Strobe effect: variable speed (max. 20 flashes per second)
- Pre-programmed random strobe & pulse effects
- Pan/Tilt movement 360° with continuous rotation control
- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Protocols: USITT DMX-512, RDM, Art-Net, MA Net, MA Net2, sACN
- Wireless CRMX™ technology from Lumen Radio (on request)
- Control channels: 23, 31, 46
- 3 DMX protocol modes
- Programs: 3-editable, each up to 100 steps
- Display: QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC
- Ethernet port: Art-Net, MA Net, MA Net 2, sACN
- Ethernet switch: 10/ 100 Mbps: 1x In / 1x Out
- Data in/out: Locking 3-pin & 5-pin XLR
- Power in: Neutrik powerCon True1 in/out
- Power supply: Electronic auto-ranging
- Input voltage range: 100–240 V, 50/60 Hz
- Rigging: Mounting points with 2 pairs of 1/4-turn locks; 2x Omega brackets with 1/4-turn quick locks; universal mounting position





# ROBIN® MiniMe®

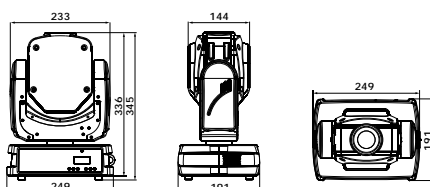
Bar, club and retail lighting has taken another step into the digital future. The MiniMe is an effects lighting luminaire with the addition of full video output.

This small, neat, fast moving fixture is LED driven with 20.000 hour lifetime light source. Colours, Gobos and beam shapes are all digitally generated by the on-board micro-media server.

Custom artwork, still photographs and video can also be simply uploaded for projection, whilst live video can be streamed through the High Definition Multimedia Interface input.

## TECHNICAL SPECIFICATION

- Light Engine: RGB LED device
- Light output comparable with 2.500 ANSI lumen projectors
- Rated light source life: 20.000 hours
- Digital gobo wheel with gobos, images and videos
- Virtual colour wheel with pre-programmed colours
- Colour effect wheel with wide range of in-built colour effects (colour transitions and cross-fades, multiple colour images, rainbow effects)
- Effect wheel with wide range of graphic effects (Kaleidoscopic effect, fish eye, iris, zoom, swirl effect, pixelation effect, cross-stitching, posterization, and more...)
- Horizontal/Vertical keystoneing
- Upload and projection of custom artwork, still photographs and videos
- Live input via external High Definition Multimedia Interface
- Embedded micro-media server
- Operating system: Linux OS
- Projection resolution: WXGA (1.280x800)
- Display colours: 16.7 million colours
- DMX data in/out: Locking 5-pin XLR
- 2x USB 2.0 connector (series A)
- Art-Net: RJ 45 (Neutrik Ethercon)
- Protocols: USITT DMX-512, RDM, Art-Net,
- 1 DMX protocol mode
- Control channels: 24
- Ethernet port: Art-Net, ready for ACN
- Optional wireless external module available: CRMX™ technology from Lumen Radio
- Data in/out: Locking 5-pin XLR
- AC power in/out: Neutrik PowerCon
- Input voltage range: 100–240 V AC, 50–60 Hz
- Max. Power Consumption 100W @ 230 V
- Weight only: 6 kg
- Mounting points: 1 pair of ¼-turn locks
- 1x Omega bracket with ¼-turn quick lock





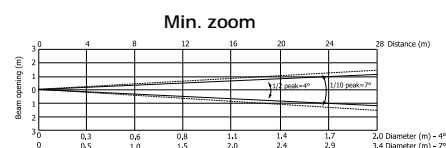
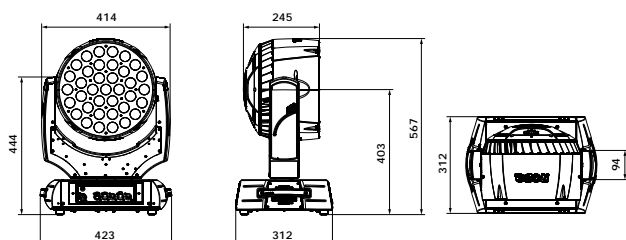
# ROBIN® 1000 LEDBeam™

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 63° wash output, you start to appreciate the beauty of this beast.

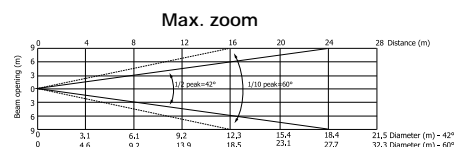
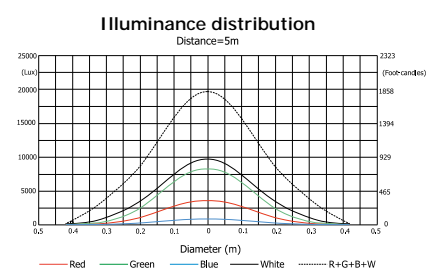
Based on an array of powerful 15W RGBW LED multichips with revolutionary optics especially developed for a high output under all circumstances and with the moving the head fitted with fast-spin motors which utilize our popular super speedy software driving technique [as known from our Pointe or Robin 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.

## TECHNICAL SPECIFICATION

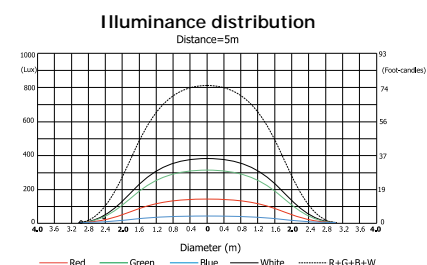
- Light source: 37x 15W RGBW LED multichips
- Led Life Expectancy: minimum 60.000 hours
- Typical Lumen Maintenance: 70% @ 60.000 hours
- Linear motorized zoom 4° – 63°
- RGBW/CMYW, 8-bit or 16-bit colour mixing, CTO
- Virtual colour wheel with 237 colours including whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- 3 LED rings, individual colour control of each LED ring
- Tungsten lamp effect 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)
- Electronic auto-ranging, 100-250 V AC, 50-60 Hz
- Pan and Tilt movement range 450°/300°
- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Protocols: USITT DMX-512, RDM, Art-Net, MA Net, MA Net2, sACN
- Wireless CRMX™ technology from Lumen Radio included as standard accessory
- 3-editable programs, each up to 100 steps
- Control channels: 37, 21, 15, 10, 37
- 5 DMX protocol modes
- 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
- Weight: 19.4 kg (42.8 lbs)
- Mounting points: 2 pairs of ¼-turn locks
- 2x Omega bracket with ¼-turn quick locks



Distance (m)	4	5	8	12	16	20	24	28	
Red	5484/510	3510/326	1371/128	609/57	343/32	218/20	152/14	112/126	Intensity (center) Lux/foot-candles
Green	1184/119	7580/704	2862/275	1316/122	740/68	474/44	329/31	242/23	
Blue	1620/150	1030/96	402/37	179/17	101/9	64/6	45/4	32/6	
White	14606/1307	9350/869	3652/339	1623/151	913/83	584/54	406/38	290/28	
R+G+B+W	39938/3874	19831/1847	7734/719	3438/319	1933/180	1236/115	860/80	631/59	



Distance (m)	4	5	8	12	16	20	24	28	
Red	227/21	145/13.5	57/5	25/2.3	14/1.2	9/0.8	6/0.6	5/0.4	Intensity (center) Lux/foot-candles
Green	484/46	310/29	121/11	54/5	30/3	19/1.8	14/1.2	10/0.9	
Blue	701/6.2	456/4.2	181/1.6	80/7.7	45/4	27/2.3	20/2	14/1.1	
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	1279/118	815/76	318/30	142/13	80/7.4	51/4.7	35/3.3	26/2.4	



# ParFect 100™



The ParFect, an LED source ACL beam at an affordable price and made in Europe. This unit is a static version of the successful LEDBeam 100 and retains all the key features including both CMY & RGBW colour control, Tungsten emulation, Zone Fx, selectable & variable colour temperatures and the really powerful punchy 7° beam.

The compact and lightweight moulded composite unit is complete with a combined hanging bracket/floor stand.

Wireless DMX, clip-on diffusion filters and detachable barndoors, are available as additional cost options.



## TECHNICAL SPECIFICATION

- 12 x RGBW LED multichips
- Led Life Expectancy: minimum 60.000 hours
- Typical Lumen Maintenance: 70 % @ 60.000 hours
- Beam angle: 7°
- RGBW or CMY colour mixing, CTO
- Virtual colour wheel with 237 colours including whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- Tungsten lamp emulation at whites 2.700 K and 3.200 K
- Three LED zones, individual colour control of each LED zone
- High resolution dimmer 0 – 100 %
- Strobe effect with variable speed
- LED zone strobe effects with variable speed
- Programs: 3 user-editable programs each up to 40 steps
- Data in/out: Locking 5-pin XLR
- Control modes: 14, 9, 4, 30, 35, 4
- Protocol modes: 2 DMX
- Two-line LCD display & 4 push buttons
- Communication protocols: USITT DMX-512, RDM
- Optional wireless external module available: CRMX™ technology from Lumen Radio
- Electronic auto ranging power supply, 100 – 240 V AC, 50 – 60 Hz
- Weight: 4 kg (8.8 lbs)
- Optional accessories: diffusion filters 40°, 20° and 10°, wireless DMX module, barndoor module, accessory frame adaptor and gel frame



Accessory Frame Adaptor

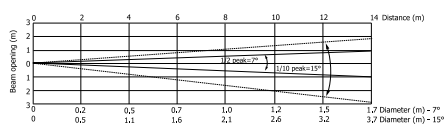


Gel Frame



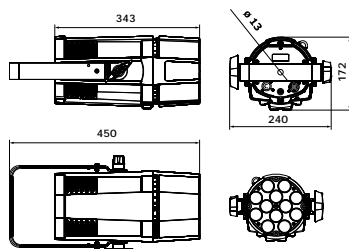
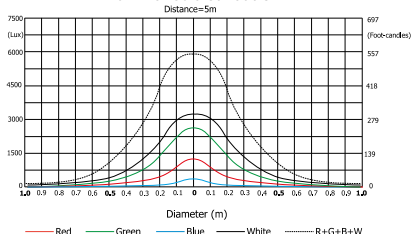
Barndoor

Beam angle 7°



Distance (m)	2	4	5	6	8	10	12	14	
Red	7125/662	13781/166	11401/106	7952/74	4451/41	2852/27	1861/18	1451/14	Intensity (cd/m²)
Green	15188/1411	3797/353	2430/226	1686/157	949/88	608/56	422/39	310/29	
Blue	2000/186	500/47	320/30	222/21	125/12	80/7	56/5	41/4	
White	88125/1470	5831/467	3220/259	2285/188	1258/117	815/75	539/52	411/38	
R+G+B+W	12236/946	8113/665	5960/554	4139/385	2328/216	1490/139	1035/96	760/71	

Illuminance distribution



# ROBIN® ParFect S1™

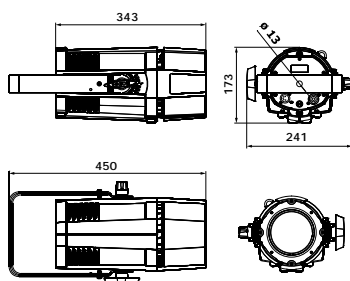


A powerful single source LED luminaire designed specifically to provide the highest quality of light. Available in different colour temperatures to suit the application – a crisp 6.000K white for exhibition/display or a warm 2.700K for stage performance.

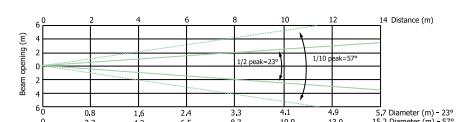
High resolution DMX dimming and a native 23° output, make it universally appealing. Designed and built entirely at our Czech facility in a lightweight composite material finished in either black or white. Supplied complete with gel frame, detachable barn door set and swivel floor stand/hanging bracket. Very competitively priced and offered with a full compliment of additional cost options including: Beam diffusers and plug-in wireless DMX module.

## TECHNICAL SPECIFICATION

- Light Source Type: 1x 130W COB LED
- LED Life Expectancy: minimum 60.000 hours
- Typical Lumen Maintenance: 70% @ 60.000 hours
- Beam Angle: 23°; optional diffusers available
- CCT: 2.700K or 6.000K
- High Resolution Dimmer: 0–100%
- Strobe effect with variable speed (max. 20 flashes per second)
- Preprogramed random strobe & pulse effects
- Setting & Addressing: 2-row LCD display & 4 buttons
- Protocols: USITT DMX 512, RDM
- Wireless CRMX™ technology from Lumen Radio (on request)
- Control Channels: 1, 2, 3
- Protocol Modes: 3
- Programs: 3 user - editable program up to 40 steps
- Data in/out: Locking 5-pin XLR
- Power Consumption: max. 150W
- Power Connector: Neutrik PowerCon In/Out
- Weight: 4.5 kg (9.9 lbs)
- Mounting Points: Mounting horizontally or vertically via mounting yoke (360° tilt range)
- Accessories:
  - Standard:
    - Diffusion filters 28°, accessory frame adaptor , Barndoor
  - Optional:
    - Diffusion filters: 40°, 50, 62°x46°, 70°x48°, ROBE Wireless CRMX Dongle

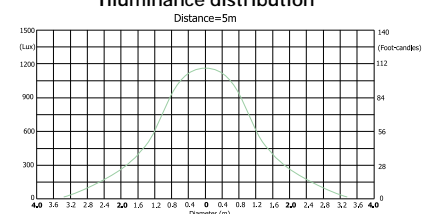


### 6.000 K



Distance (m)	2	4	5	6	8	10	12	14	
White 6000K	7375/680	1844/171	1180/110	819/76	461/43	285/27	205/19	150/14	(Height/Width) (mm/Inch)

### Illuminance distribution





# ROBIN® ParFect SB1™

This ParFect SB1 is specifically geared towards fixed installations without DMX controlling and this affordable unit features easily reachable jog dial and button for smooth high resolution dimmer adjustment. A powerful single source LED luminaire has been designed specifically to provide the highest quality of light with high CRI. Available in different colour temperatures to suit the application – a crisp 6.000 K white for exhibition/display or a warm 2.700 K for stage performance. High resolution DMX dimming and a native 23° output, make it universally appealing. Designed and built entirely at our Czech facility in a lightweight composite material finished in either black or white.

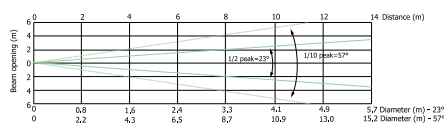
Supplied complete with gel frame, detachable barn door set and swivel floor stand/hanging bracket. Very competitively priced and offered with a full complement of additional cost options including multiple beam diffusers.



## TECHNICAL SPECIFICATION

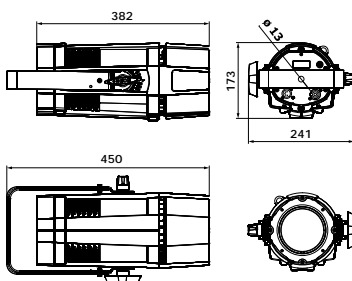
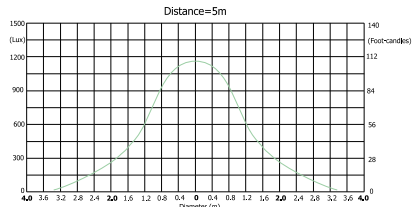
- Light Source Type: 1x 130W COB LED
- LED Life Expectancy: minimum 60.000 hours
- Typical Lumen Maintenance: 70% @ 60.000 hours
- Beam Angle: 23°, 28° with diffuser; optional diffusers available
- CCT: 2.700K or 6.000K
- Setting & Control: Jog Dial & Button
- Dimmer: Manual Dimmer 0-100%
- Power supply: Electronic auto-ranging
- Input voltage range: 100–240 V, 50/60 Hz
- Power consumption: max 150 W at 230 V/50 Hz
- AC Connection: 3-Core Cable
- Weight: 4.5 kg (9.9 lbs)
- Mounting Points: Mounting horizontally or vertically via mounting yoke (360° tilt range)
- Accessories:
  - Included: Diffuser 28°, accessory frame adaptor, gel frame, barn door
  - Optional: Diffusion filters: 40°, 50°, 62°x46°, 70°x48°

### 6.000 K



Distance (m)	2	4	5	6	8	10	12	14	
White 6000 K	7075/885	1844/1171	1180/1110	819/76	463/43	285/27	205/19	150/14	Intensity Limited Control/Accessories

### Illuminance distribution





# ROBIN® Strobe™ /Strobe Lite™



Power is everything!

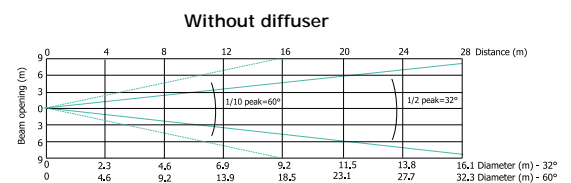
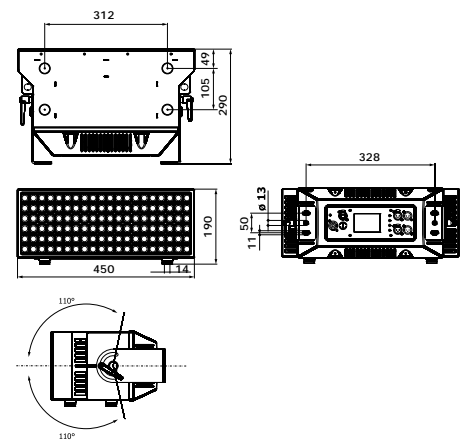
The Strobe from Robe could not be anything but THE brightest, best value, most sophisticated strobe-blinder effects unit on the market. While the Strobe is controllable, configurable and arrayable into stacks of multiple units, the Strobe Lite is a single hanging fixture with reduced weight.

Super fast bursts of high powered pulses can be adjusted in frequency, duration and intensity, optically harnessed from the 120x High Power White LED chips. Easy to rig individually or in multiples and easy to program, using direct segment control or the pre-defined macros.

The Strobe has a splash proof housing and can be temporarily exposed to the rain when is used as a flood light or installed on the front truss.

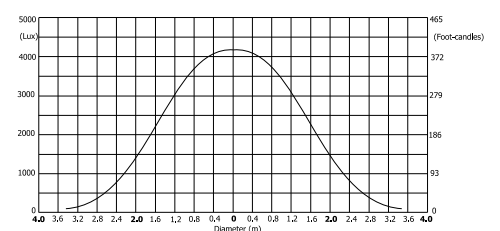
## TECHNICAL SPECIFICATION

- Light Source Type: 120x 7W White LED chips
- CCT: 6.000K
- LED Life Expectancy: minimum 60.000 hours
- Typical Lumen Maintenance: 70% @ 60.000 hours
- Beam angle: 32° (at 1/2 beam), 63° (at 1/10 beam)
- Individual control of 12 segments (3 lines and 4 column)
- Strobe duration: 13–860 ms
- Strobe rate: 0,3–30 Hz
- Blinder effect: Continuous full power operation with high resolution dimmer
- High Resolution Dimmer: 0–100 %
- Strobe effects: ramp up, ramp down, ramp up-down, random flash, single flash, microphone driven strobe effect
- Setting & Addressing: Robe Navigation System 2 (RNS2)
- Protocols: USITT DMX-512, RDM, Art-Net, MA Net, MA Net2, sACN
- Wireless CRMX™ technology from Lumen Radio (on request)
- Control Channels: 8, 20, 3, 4
- Protocol Modes: 4
- Programs: 3 editable programs up to 88 steps
- 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 5-pin XLR
- Manual tilt adjustment
- Power Consumption: 660W
- Power in: Neutric PowerCon True1
- Weight: Strobe - 14.3 kg (31.5 lbs)  
Strobe Lite - 11.4 kg (25.1 lbs)
- Rigging: Strobe - Mounting Points: one pairs of 1/4-turn locks  
Multipoint segment locking for big truss instalations  
Omega Brackets: 1x Omega bracket with 1/4-turn quick locks  
Strobe Lite - Mounting Points: one pair of 1/4-turn locks  
Omega Brackets: 1x Omega bracket with 1/4-turn
- Optional accessories: Strobe - Floor stands, Bandoor, Frame Adaptor, Gel Frame, Stacker  
Strobe Lite - Floor stands, Bandoor, Frame Adaptor Gel Frame



Distance (m)	4	5	8	12	16	20	24	28	Intensity (center) Lux/footcandles
White	6672/620	4270/397	1668/155	741/69	417/39	267/25	186/17	136/13	

**Illuminance distribution**  
Distance=5m





# ROBIN® ColorStrobe™ /ColorStrobe Lite™

Power is everything, now in color!

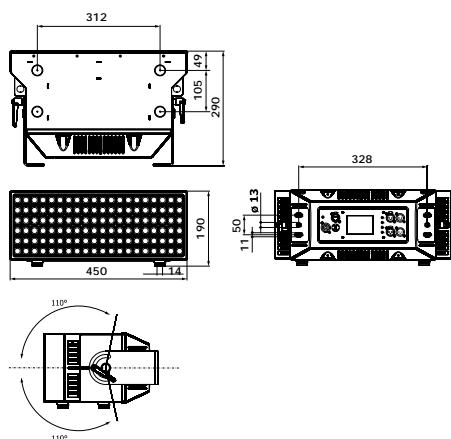
Add colour into your blinding strobing sequences with the ColorStrobe to achieve dyed effects, white flashing with colorful backgrounds or continuous bright light output with colored animations. While the ColorStrobe is controllable, configurable and arrayable into stacks of multiple units, the ColorStrobe Lite is a single hanging fixture with reduced weight.

Super fast bursts of high powered pulses can be adjusted in frequency, duration and intensity, optically harnessed from the 120x High Power RGBW multichips. Easy to rig individually or in multiples and easy to program, using direct segment control or the pre-defined macros.

The ColorStrobe has a splash proof housing and can be temporarily exposed to the rain when is installed on the front truss or used as a foot light or wall washer.

## TECHNICAL SPECIFICATION

- Light Source Type: 120x 15W RGBW multichips
- LED Life Expectancy: Minimum 40.000 hours
- Typical Lumen Maintenance: 70% @ 40.000 hours
- Beam angle: 35° (at 1/2 beam), 63° (at 1/10 beam)
- Individual control: 12 segments (3 lines and 4 columns)
- Strobe duration: 13–860 ms
- Strobe rate: 0,3–30 Hz
- Colour Mixing System: RGBW or CMY colour mixing, CTO
- Virtual Colour Wheel: with 237 colours including whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- Tungsten Lamp Effects at Whites: 2.700 K and 3.200 K
- Colour changer effect: Continuous full power RGBW operation with high resolution dimmer
- Dimmer (Internal 18 bit): 8 or 16 bit
- Strobe effects: Ramp up, ramp down, ramp up-down, random flash, single flash, microphone driven strobe effect
- Setting & Addressing: Robe Navigation System 2 (RNS2)
- Protocols: USITT DMX-512, RDM, Art-Net, MA Net, MA Net2, sACN
- Wireless CRMXTM technology from Lumen Radio (on request)
- Control Channels: 9, 14, 18, 28, 84
- Protocol Modes: 5
- Programs: 3 editable programs up to 88 steps
- 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
- Manual tilt adjustment
- Power Consumption: 1.300W
- Power Connector: Neutrik PowerCon True1
- Weight: ColorStrobe - 16.8 kg (37 lbs)  
Colorstrobe Lite - 13.4 kg (29.5 lbs)
- Rigging: ColorStrobe - Mounting Points: one pairs of ¼-turn locks  
Multipoint segment locking for big truss instalations  
Omega Brackets: 1x Omega bracket with ¼-turn quick locks  
ColorStrobe Lite - Mounting Points: one pair of 1/4-turn locks  
Omega Brackets: 1x Omega bracket with 1/4-turn
- Optional accessories: ColorStrobe - Floor stands, Bandoor, Frame Adaptor, Gel Frame, Stacker  
ColorStrobe Lite - Floor stands, Bandoor, Frame Adaptor, Gel Frame



# ROBIN® CycPix 12™



This uniquely designed, easy to install wash fixture combines a fast motorized zoom (8°–66°), an optical system of highly efficient components and an array of twelve powerful 15W RGBW multichip LEDs.

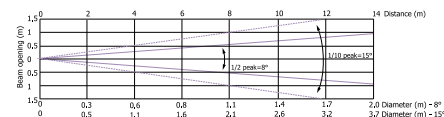
Combination of the tight 8 degree beam together with individual pixels create outstanding visual effects.

Both RGBW colour mixing for complete array and individual pixel control offers an extensive range of colours – from pastel to saturation, including pre-calibrated chromatics of whites, variable CTO, Tungsten effects, fast power blinding strobe and smooth dimming. Manual tilt settings provide adjustment from -50 degrees to +90 degrees.

## TECHNICAL SPECIFICATION

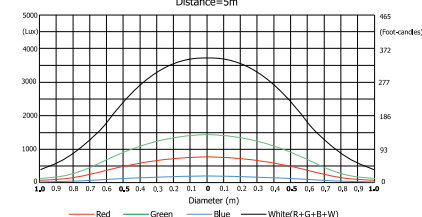
- Light Source: 12x 15W multichip LEDs
- Led Life Expectancy: Minimum 60.000 hours
- Typical Lumen Maintenance: 70% @ 60.000 hours
- High efficient component optics
- Linear motorized zoom: 8°–66°
- RGBW or CMY colour mixing
- Individual control of each RGBW pixel
- CTO filter
- Virtual colour wheel with pre-programmed 237 colours including whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- Tungsten lamp effect at whites 2.700 K and 3.200 K (red shift and thermal delay during dimming)
- Colour rainbow effect with variable speed
- Pre-programmed pixel effects with colour chases, waves and pulses at variable speed and directions
- High resolution dimmer 0–100%
- Strobe effect with variable speed (max. 20 flashes per second)
- Pre-programmed random strobe & pulse effects
- Setting & Addressing: two-row LCD display & 4 control buttons
- Protocols: USITT DMX-512, RDM
- Wireless CRMX™ technology from Lumen Radio included
- Control channels: 18, 12, 54, 66
- 4DMX protocol modes, including SunStrip emulation mode (Halogen strip)
- One editable program up to 40 steps
- Stand-alone operation
- Data in/out: DMX outdoor cables CA-0611 + NC5MX-HD/ NC5FX-HD (5-pin connectors)
- Power in/out: Neutrik PowerCon
- Power consumption: 200 W at 230 V /50Hz
- LED module "tilt" adjustment range: -50/+90
- Protection factor: IP65
- Rigging via Omega clamp (floor stand included)
- Weight: 12.2 kg (26.9 lbs)

Min. Zoom

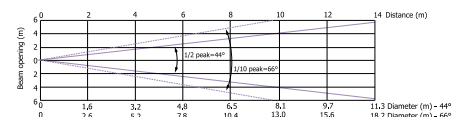


Distance (m)	2	4	5	6	8	10	12	14	
Red	467/545	1219/113	780/73	542/50	395/28	299/18	135/13	100/9	
Green	509/599	2113/215	1480/138	1028/96	578/54	370/34	257/24	189/18	Intensity (candle) Lux/Footcandle
Blue	1379/128	344/32	220/20	153/14	86/8	55/5.1	38/3.5	26/2.6	
White (R+G+B+W)	2311/2166	9826/542	3730/347	2590/248	1457/135	833/87	648/60	475/44	

Illuminance distribution  
Distance=5m

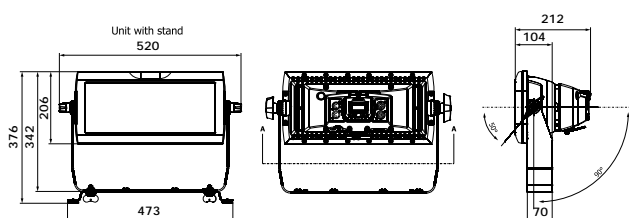
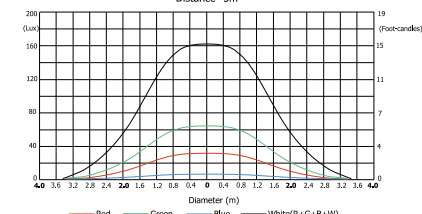


Max. Zoom



Distance (m)	2	4	5	6	8	10	12	14	
Red	200/19	50/5	32/3	22/2	13/1.2	8/0.7	6/0.5	4/0.4	
Green	400/37	100/9	64/6	44/4	25/2.3	16/1.5	11/1	8/0.8	Intensity (candle) Lux/Footcandle
Blue	75/7	19/1.7	12/1.1	8/0.8	5/0.4	3/0.3	2/0.2	1.5/0.1	
White (R+G+B+W)	1019/95	255/24	163/15	113/11	64/6	41/4	28/3	21/2	

Illuminance distribution  
Distance=5m





# ROBIN® CycBar 15™

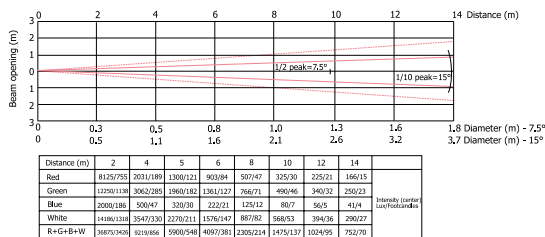


Robin CycBar 15 is a lightweight static 1000 mm linear strip which uses 15 equally spaced superbright RGBW multichip LEDs for enhanced 18 bit smooth colour mixing and linear dimming without RGB 'breakup' or grey shadows. Fixed but redefinable beam angle lenses of 7.4°, 21.2° and 34.6° are available allows use of optional diffusers.

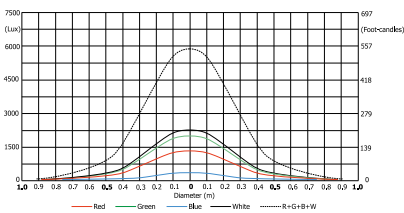
Advanced pixel control based driver software provides special features like the virtual colour wheel with pre-programmed colours and a set of true whites with CTO Tungsten lamp emulation and more.

A practical and highly readable small display provides a menu with personality settings plus DMX and RDM protocols.

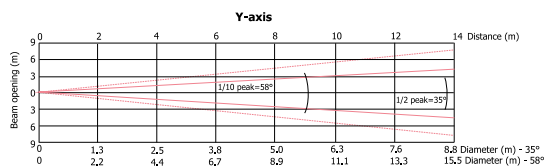
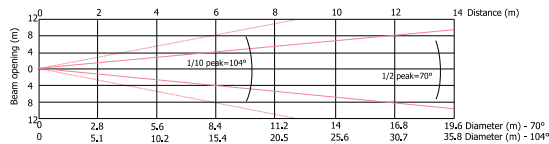
Without diffuser



Iluminance distribution  
Distance=5m

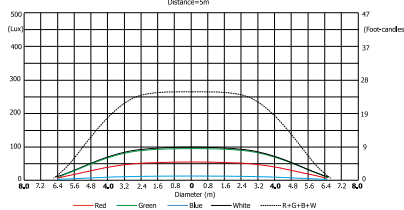


Diffuser 35°x70°WallWasher  
X-axis

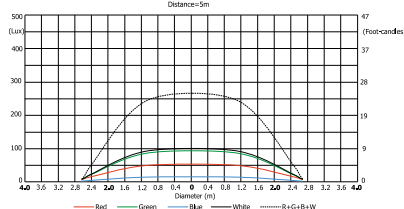


Distance (m)	2	4	5	6	8	10	12	14
Red	325/30	81/6	52/5	36/3.4	201/1.9	131/1.2	90/8	66/6.6
Green	563/52	140/13	90/8	63/6	35/3	23/2	16/1.5	12/1.1
Blue	74/9	23/2.2	15/1.4	10/1	6/0.5	4/0.3	3/0.2	2/0.2
White	625/58	156/15	100/9	70/7	40/4	26/2.3	17/1.6	13/1.2
R+G+B+W	1688/157	422/39	270/25	188/17	106/10	66/6	47/4.4	34/3

Iluminance distribution in X-axis  
Distance=5m

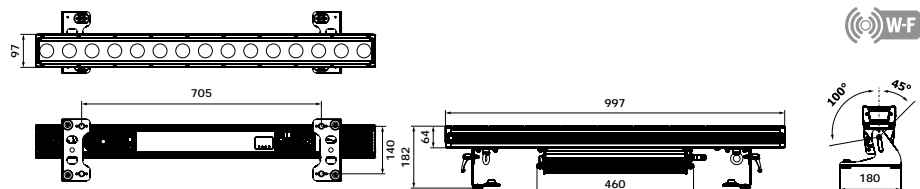


Iluminance distribution in Y-axis  
Distance=5m



## TECHNICAL SPECIFICATION

- Light Source: 15x 10W RGBW LED multichips
- Led Life Expectancy: minimum 60.000 hours
- Typical Lumen Maintenance: 70% @ 60.000 hours
- Beam angle: 7.5° (without diffuser), diffuser 35°x70° included as standard
- Optional diffusers: 32°, 50°, 10°x30°, 30°x10°, 70°x35°
- RGBW or CMY colour mixing
- Individual control of each RGBW pixel
- CTO filter
- Virtual colour wheel with pre-programmed 237 colours including whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- Tungsten lamp effect at whites 2.700 K and 3.200 K (red shift and thermal delay during dimming)
- Colour rainbow effect with variable speed
- Pre-programmed pixel effects with colour, dimming and strobe chases, waves and pulses at variable speed and directions
- High resolution dimmer 0-100%
- Strobe effect with variable speed (max.20 flashes per second)
- Mechanical Tilt Movement Range: 145°
- IP 65
- Control channels: 16, 11, 61, 76
- 4 DMX protocol modes, including SunStrip emulation mode (halogen strip)
- Setting & Addressing: two-row LCD display & 4 control buttons
- Protocols: USITT DMX-512, RDM
- Wireless CRMXTM technology from Lumen Radio (on request)
- 3-editable programs, each up to 40 steps
- Data in/out: Locking 5-pin XLR
- Power in/out: Neutrik PowerCon
- Power consumption: 170W at 230 V / 50 Hz
- Weight: 11.2 kg (24.7 lbs)
- Mounting points: 2 mounting brackets
- 1 x safety attachment point



# ROBIN® CycBar 12™



Robin CycBar 12 is a lightweight static 1.000 mm linear strip for indoor use, which utilises 12 equally spaced superbright RGBW multichip LEDs.

The unit features smooth 18 bit colour mixing and linear dimming without RGB 'breakup' or grey shadows.

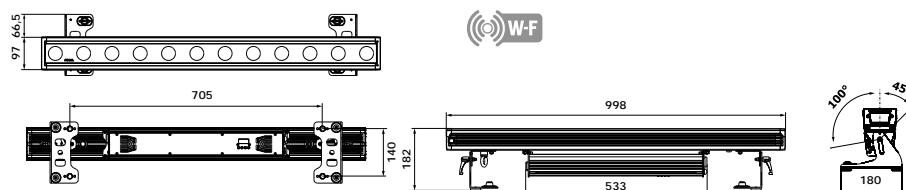
The fixed 7.5° beam angle can be reconfigured by the use of optional 35°x70° diffusers, which are included as a standard.

The on-board driver software provides the user with advanced pixel control, a virtual colour wheel of pre-programmed colours, a set of true whites with CTO Tungsten lamp emulation and more.

The highly readable screen displays a menu with practical personality settings, DMX and RDM protocols.

## TECHNICAL SPECIFICATION

- Light Source: 12x 10W RGBW LED multichips
- Led Life Expectancy: minimum 60.000 hours
- Typical Lumen Maintenance: 70% @ 60.000 hours
- Beam angle: 7.5° (without diffuser), diffuser 35°x70° included as standard
- Optional diffusers: 32°, 50°, 10°x30°, 30°x10°
- RGBW or CMY colour mixing
- Individual control of each RGBW pixel
- CTO filter
- Virtual colour wheel with pre-programmed 237 colours including whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- Tungsten lamp effect at whites 2.700 K and 3.200 K (red shift and thermal delay during dimming)
- Colour rainbow effect with variable speed
- Pre-programmed pixel effects with colour, dimming and strobe chases, waves and pulses at variable speed and directions
- High resolution dimmer 0–100%
- Strobe effect with variable speed (max. 20 flashes per second)
- Mechanical Tilt Movement Range: 145°
- Control channels: 16, 11, 52, 64
- 4 DMX protocol modes, including SunStrip emulation mode (halogen strip)
- Setting & Addressing: two-row LCD display & 4 control buttons
- Protocols: USITT DMX-512, RDM
- Wireless CRMX™ technology from Lumen Radio (on request)
- 3-editable programs, each up to 40 steps
- Data in/out: Locking 5-pin XLR
- Power in/out: Neutrik PowerCon True1 In/out
- Power consumption: 180W at 230 V / 50 Hz
- Weight: 12.3 kg (27.12 lbs)
- Mounting points: 2 mounting brackets
- 1 x safety attachment point



# ROBIN® CycFX 8™



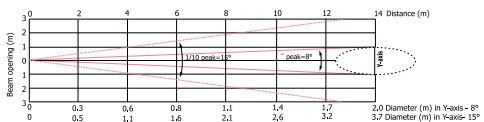
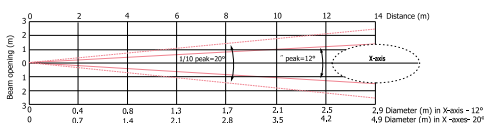
All the amazing features and performance of the award winning Robe LEDWash luminaires in a 1000 mm moving linear strip. 8 individually controlled 15W RGBW LED modules equally spaced along the strip with fully adjustable zoom from 8–67 degrees. The strip itself has a very fast 270 degree tilt movement which can be precision indexed or programmed to produce rapid sweeping movements.

Pre-programmed colour macros and pixel control makes this fixture quick and easy to program. Tungsten lamp emulation and fade effects at 2.700 K and 3.200 K are included. Wireless technology CRMX is available as an option.

## TECHNICAL SPECIFICATION

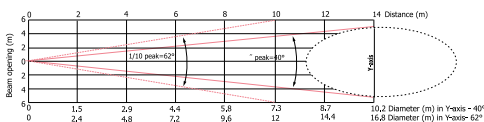
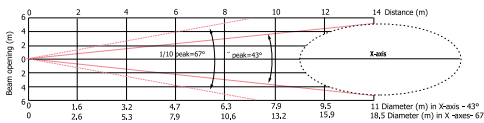
- 8x 15W RGBW LED multichips
- LED Life Expectancy: minimum 60.000 hours
- Typical Lumen Maintenance: 70% @ 60.000 hours
- Linear motorized zoom: 8° – 67°
- RGBW or CMY colour mixing, CTO
- Individual control of each RGBW pixel
- Virtual colour wheel with 237 colours including whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- Tungsten lamp effect at whites 2.700 K and 3.200 K (red shift and thermal delay during dimming)
- Colour rainbow effect with variable speed
- Pre-programmed pixel effects with colour, dimming and strobe chases, waves and pulses at variable speed and directions
- High resolution dimmer 0 – 100%
- Strobe effect with variable speed (max.20 flashes per second)
- Tilt movement range: 270°
- DMX channels: 14, 21, 45, 53, 22, 53
- 6 DMX protocol modes
- One editable program up to 42 steps
- Data in/out: Locking 3-pin & 5-pin XLR
- Power in/out: Neutrik PowerCon
- Setting & Addressing via two-row LCD display & 4 control buttons
- Communication protocols: USITT DMX-512, RDM
- Optional wireless version available: CRMX™ technology from Lumen Radio
- Electronic auto ranging power supply, 100 – 240 V AC, 50-60 Hz
- Rigging: 6 pairs of 1/4-turn locks +2x Diagonal omega bracket with 1/4-turn quick locks
- Weight only: 12 kg (26.5 lbs)

Min. zoom

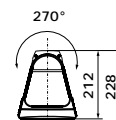
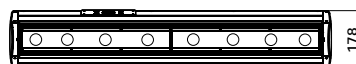
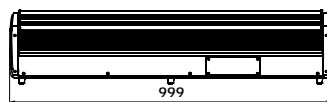
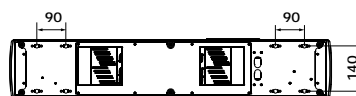


Distance (m)	2	4	5	6	8	10	12	14	
Red	265/238	641/60	418/38	285/27	160/15	103/10	71/7	52/5	
Green	550/511	1375/128	880/82	611/57	344/32	228/20	153/14	112/10	
Blue	219/20	55/5	35/3	24/2	14/1	9/0	6/0	5/0	Intensity control
White	694/645	1736/161	1111/103	772/72	434/40	278/26	193/18	142/13	Intensity control
R+G+B+W	1434/1333	3586/333	2295/213	1594/148	897/83	574/53	398/37	293/27	Intensity control

Max. zoom



Distance (m)	2	4	5	6	8	10	12	14	
Red	138/13	34/3	22/2	15/1	9/0	6/0	4/0	3/0	
Green	331/31	83/8	53/5	37/3	21/2	13/1	9/0	7/0	
Blue	19/2	5/0	3/0	2/0	1/0	0/0	0/0	0/0	Intensity control
White	394/37	98/9	63/6	44/4	25/2	16/1	11/1	8/0	Intensity control
R+G+B+W	825/76	206/19	132/12	92/9	53/5	33/3	23/2	17/1	Intensity control



# ROBIN® CycFX 4™

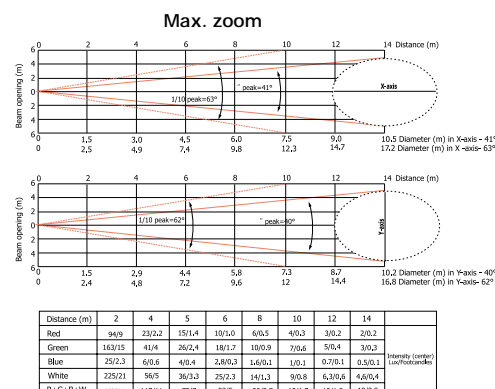
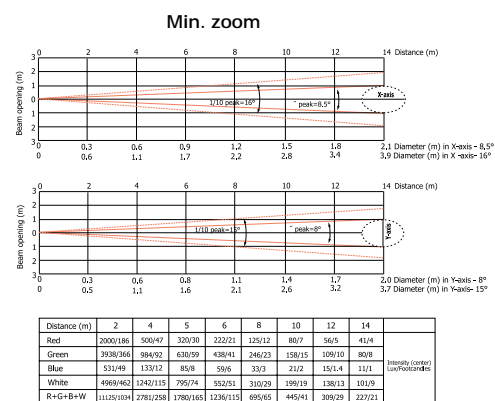
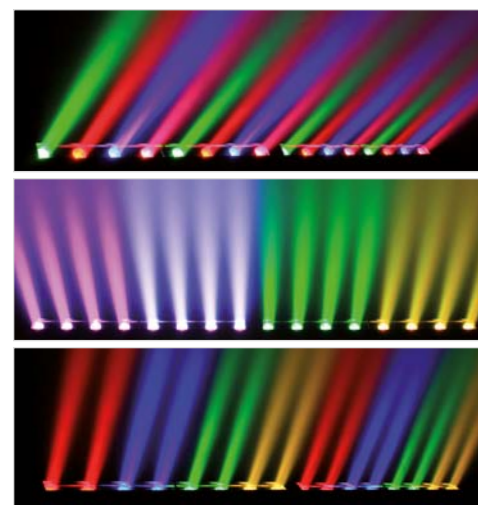
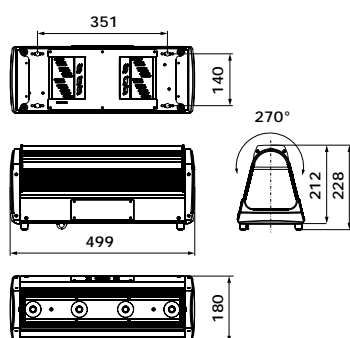


ROBIN® CycFX 4 continues the success story of CycFX 8. This time, the very wide zoom and fast tilt movement come on a 500 mm long strip. Four individually controlled 15W RGBW multichip LEDs in compact size and lightweight aluminum housing with 270 degree motorized tilt can be very precisely positioned, indexed or programmed to produce rapid sweeping movements of 8° beam, smoothened into wide 63° wash coverage or utilize [sun strip] tungsten effects.

Pixel control possibilities allow pixel mapping while internal pre-programmed color macros make this fixture quick and easy to program even on a more traditional lighting desks. Tungsten lamp emulation and fade effects at 2.700 K and 3.200 K are included. Wireless technology CRMX is available as an option.

## TECHNICAL SPECIFICATION

- 4x 15W RGBW LED multichips
- LED Life Expectancy: minimum 60.000 hours
- Typical Lumen Maintenance: 70% @ 60.000 hours
- Linear motorized zoom: 8° – 63°
- Colour Mixing System: RGBW, CTO
- Individual control of each RGBW pixel
- Virtual Colour Wheel: with pre-programmed 237 colours including whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- Tungsten Lamp Effects at Whites: 2.700 K and 3.200 K (red shift and thermal delay during dimming)
- High Resolution Dimmer: 0-100%
- Strobe effect with variable speed (max.20 flashes per second)
- Preprogramed random strobe & pulse effects
- Power Connector: Neutrik PowerCon
- Tilt movement range: 270°
- Setting & Addressing: two-row LCD display & 4 control buttons
- Protocols: USITT DMX-512, RDM
- Wireless: optional CRMX™ technology from Lumen Radio available
- Control Channels: 14, 21, 33, 37
- Protocol Modes: 4
- One editable program up to 42 steps
- Data in/out: Locking 3-pin & 5-pin XLR
- Mounting Points: 2 pairs of 1-turn locks
- Omega Brackets: 2 x Omega bracket with 1-turn quick locks
- Weight: 6.8 kg (15 lbs)





# ROBIN® 800 LEDWash™

The enhanced ROBIN 800 LED Wash brings Robe's patented system for seamless, even and smooth zoom and output of RGBW multichip LED technology a step further. Brighter LED chips and a removable beam shaper module with motorized rotation creates the perfect combination for professional theatre, TV and other professional applications. The fixture has an incredibly wide zoom range starting at 8 degrees and going up to 63 degrees.

Many enhanced features include quiet zoom operation, Beam/Wash zoom mode, virtual colour wheel with calibrated whites, RGBW/CMY colour mixing and more.

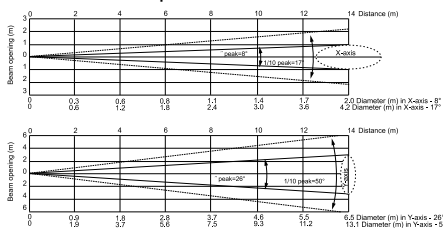
The touch screen navigation display supports many controlling protocols, status data logging, software updates and other features which are standard in the Robe ROBIN series.

## TECHNICAL SPECIFICATION

- 37x 15W RGBW multichips
- Led life expectancy: > 60.000 hours
- Typical lumen maintenance: 70% @ 60.000 hours
- Linear motorized zoom: 8°– 63° (without beam shaper module)
- RGBW or CMY colour mixing +variable CTO
- Virtual wheel with pre-programmed 237 colours plus whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- Tungsten lamp effect at whites 2.700 K and 3.200 K
- 3 individually controllable LED rings
- Removable remote beam shaper with continuous motorized rotation (patent pending)
- Beam shaper: asymmetrical beam 8° x 26° @ min. zoom
- High resolution dimmer 0–100 %
- Strobe effect with variable speed
- Pre-programmed random strobe & pulse effects
- Pan and Tilt movement range: 450°/300°
- DMX channels: 38, 22, 16, 11, 38, 37
- 6 DMX modes
- 3 user defined programs, each up to 100 steps
- Ethernet port: Art-Net protocol, ready for ACN
- Data in/out: Locking 3-pin & 5-pin XLR
- User Interface: Colour Touch Screen: ROBE Navigation System 2 (RNS2)
- Communication protocols: USITT DMX-512, Art-Net, MA Net, MA Net2, RDM
- Wireless connection as a standard: CRMX™ technology from Lumen Radio
- Supply Input: 100–240 V AC, 50–60 Hz auto ranging
- Rigging: 2x Omega brackets (included) with ¼-turn quick locks
- Optional accessories: Beam shaper module 19°x 35°

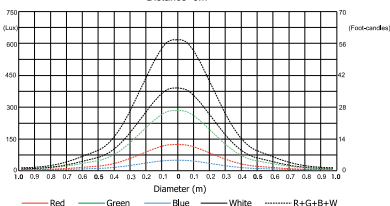


Beam shaper @ min. zoom

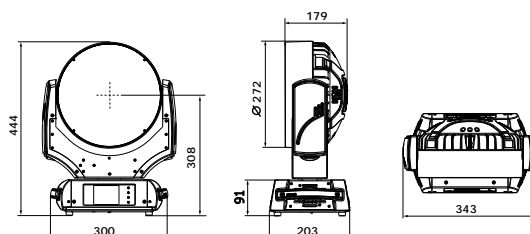
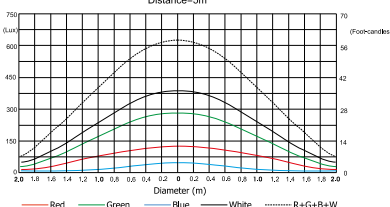


Distance (m)	2	4	6	8	10	12	14
Red	164775	219229	2493	535	343	232	171.6
Green	1813168	45342	20119	11311	738.7	504.7	375.4
Blue	25023	636	282.6	161.5	100.8	76.6	60.3
White	2375221	59455	26425	14814	959	665	494.5
R+G+B+W	2875360	94900	43040	24223	15514	10810	797

Luminance distribution X-axis  
Distance=5m



Luminance distribution Y-axis  
Distance=5m



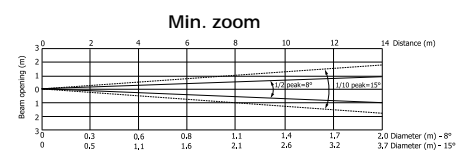
# ROBIN® 1200 LEDWash™

The super-slim ROBIN® 1200 LEDWash features 61 RGBW multichip LEDs with colour output ranging from gentle pastels to the richest saturation. Arranged in 4 concentric rings these LEDs offer unique possibilities for creating stunning colour and pattern audience blinding and eye candy effects as well as for providing comprehensive and perfectly even wash coverage.

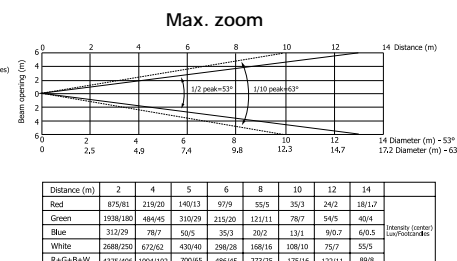
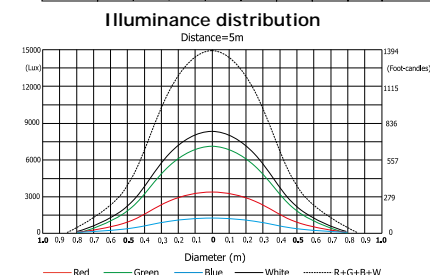
This system sets the LEDWash 1200 ahead of any other LED wash light products, making it a truly 'multi-purpose' unit, also equipped with extremely versatile 8 – 63 degree motorized zoom, powerful fast strobing and pre-programmed strobe and pulse effects at all zones (rings) or individually controllable per each zone.

## TECHNICAL SPECIFICATION

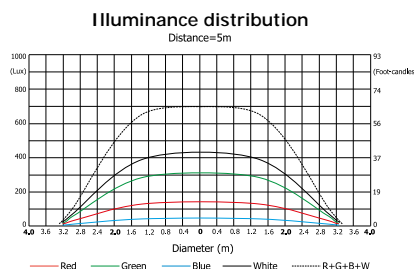
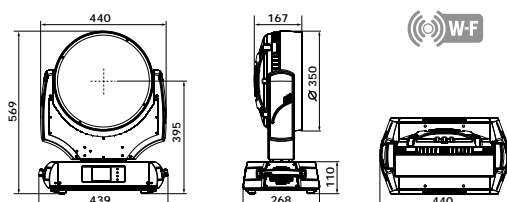
- 61x RGBW LED multichips
- Led Life Expectancy: minimum 60.000 hours
- Typical Lumen Maintenance: 70% @ 60.000 hours
- Linear motorized zoom: 8°–63°
- RGBW/CMY, 8-bit or 16-bit colour mixing
- Virtual colour wheel with 237 colours including whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- 4 LED rings, individual colour control of each LED ring
- Tungsten lamp effect at whites 2.700 K and 3.200 K
- High resolution dimmer 0–100%
- Strobe effect with variable speed
- LED zone strobe effects with variable speed
- DMX channels: 45, 21, 15, 10, 45, 37
- 6 DMX protocol modes
- 3-editable programs, each up to 100 steps
- Ethernet port: Art-Net protocol, ready for ACN
- Data in/out: Locking 3-pin & 5-pin XLR
- RNS2 - Robe Navigation System with LCD touchscreen and battery backup, gravitation sensor for auto screen positioning and operation memory service log with RTC
- Communication protocols: USITT DMX-512, Art-Net, MA Net, MA Net2, RDM
- Wireless CRMX™ technology from Lumen Radio included as standard accessory
- Input voltage: 100–250 V AC, 50/60 Hz
- Power consumption: Typical consumption: 550W (2 LED colors @ all rings)  
Max. consumption: 650W (4 LED colors @ all rings)
- Pan and Tilt movement range: 450°/300°; 16 bit resolution
- Mounting points: 2 pairs of ¼-turn locks



Distance (m)	2	4	5	6	8	10	12	14	
Red	2050/181	5062/470	3240/301	2250/209	1266/118	810/75	563/52	413/38	
Green	4062/403	11815/1023	7050/655	4895/455	2754/256	1762/164	1224/114	899/84	
Blue	5625/523	1406/131	900/84	625/58	352/33	225/21	156/15	115/11	
White	10187/463	12547/1165	8030/746	5576/518	3137/291	12007/187	1394/130	980/91	
R+G+B+W	14750/8803	23827/2200	10528/978	5922/550	3790/352	2632/245	1934/180		Intensity (center) Lux/footcandles



Distance (m)	2	4	5	6	8	10	12	14	
Red	875/81	219/20	140/13	97/9	59/5	35/3	24/2	18/1,7	
Green	1918/180	484/45	310/29	215/20	121/11	78/7	54/5	40/4	
Blue	312/29	78/7	50/5	35/3	20/2	13/1	9/0,7	6/0,5	
White	2688/258	672/62	430/40	298/28	198/18	108/10	75/7	55/5	
R+G+B+W	4375/406	1094/102	700/65	486/45	273/25	175/16	122/11	89/8	Intensity (center) Lux/footcandles





# ROBIN® 100 LEDBeam™

Robe's super fast ROBIN® LED Beam 100 is the ultimate effects lighting tool. A highly optimized motorised control produces speedy pan and tilt movement, three LED zones allow the creation of various colour chases, and the extra punchy 7 degree beam angle can be amplified with fast strobing.

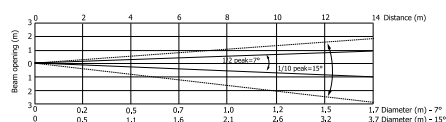
Simplified control via pre-programmed of colours, colour chases and effects on a virtual colour wheel and various strobing and pulsing effects allow quick and easy programming.

## TECHNICAL SPECIFICATION

- 12x 15 W RGBW LED multichips
- Led Life Expectancy: minimum 60.000 hours
- Typical Lumen Maintenance: 70 % @ 60.000 hours
- Beam angle: 7°
- RGBW or CMY colour mixing, CTO
- Virtual colour wheel with 237 colours including whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- Tungsten lamp effect at whites 2.700 K and 3.200 K
- Three LED zones, individual color control of each LED zones
- High resolution dimmer 0 – 100 %
- Strobe effect with variable speed
- LED zone strobe effects with variable speed
- Pan and Tilt movement range: 450°/300°
- DMX channels: 35, 19, 14, 9, 35, 37
- 6 DMX protocol modes
- 3-editable programs, each up to 25 steps
- Data in/out: Locking 5-pin XLR
- Two-line LCD display & 4 push buttons
- Communication protocols: USITT DMX-512, RDM
- Wireless CRMXTM technology from Lumen Radio included as optional accessory
- Electronic auto ranging power supply, 100–240 V AC, 50–60 Hz
- Rigging: one pair of 1/4-turn locks  
+ 1x Omega bracket with 1/4-turn quick locks
- Optional accessories: top hat, diffusion filters 40° and 25°, wireless DMX module

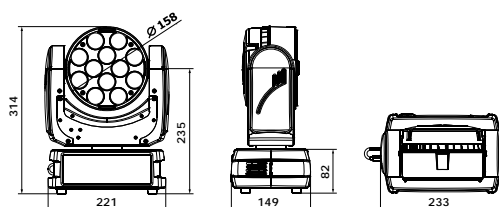
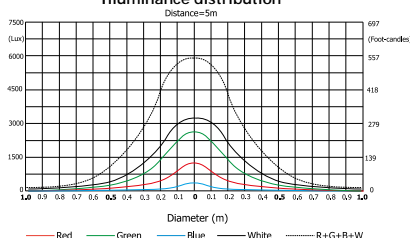


Beam angle 7°



Distance (m)	2	4	5	6	8	10	12	14	
Red	715/662	1781/166	1140/106	792/74	445/41	285/27	198/18	145/14	Intensity (lm/ft-candle)
Green	1188/111	2797/253	2430/226	1688/157	949/88	608/56	422/39	310/29	
Blue	2000/186	500/47	320/30	222/21	125/12	80/7	56/5	41/4	
White	20120/1871	5031/467	3220/299	2236/208	1258/117	805/75	559/52	411/38	
R+G+B+W	27520/2443	6933/655	3980/359	2528/235	1490/138	1025/96	700/71		

Illuminance distribution





# ROBIN® Cyclone™

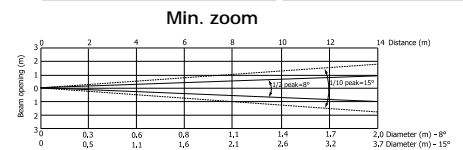
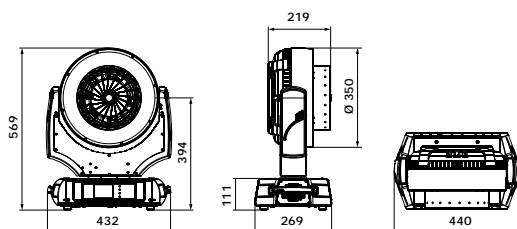
This innovative effects moving head product has an integrated fan in the centre of the head surrounded by a ring of 24x high powered RGBW multichip LEDs.

There is a zoom of 8 to 63 degrees on the LEDs and a strong central airflow that can be combined with fog and haze to assist with creating the best quality atmospheric effects. The vari-speed fan can be independently DMX controlled... starting from a very low RPM and is a perfect complement to fog and hazers in any 'live' environment – from clubs to concerts - needing fine-tuned fog / haze flows, from a mere wisp of smoke to a full-on immersive low cloud coverage!

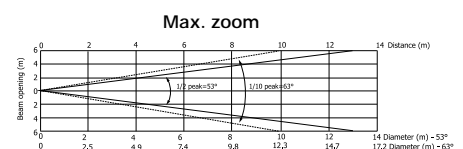
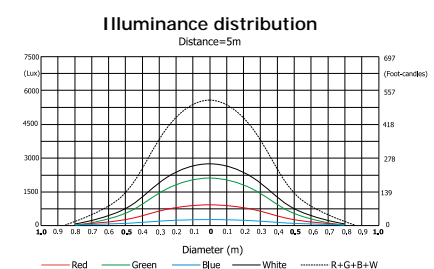
Each LED is individually controlled and can be pixel mapped for the creation of eye-catching colour, rainbow, strobe etc. effects. The Cyclone is also perfect for lighting and cooling performers from a neat 'footlights' position and can also produce dramatic 'hair-blowing' and 'smoke-through-the-fan' effects. The unit also benefits from all the features from Robe's massively popular LEDWash series.

## TECHNICAL SPECIFICATION

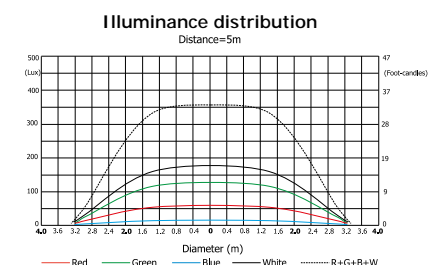
- 24x 15W RGBW LED multichips
- Led Life Expectancy: minimum 60.000 hours
- Typical Lumen Maintenance: 70% @ 60.000 hours
- Strong airflow through fixture head for best atmospheric effects
- Perfect complement to fog and hazers
- Hair-blowing and smoke-through-the-fan effects
- 5-bladed fan with controllable velocity via DMX/RDM starting from low RPM
- Very efficient fan with airflow 900 m³/h (530 CFM); max. speed 4.550 RPM
- RGBW or CMY colour mixing
- Individual control of each RGBW pixel
- Pre-programmed pixel effects at variable speed and directions
- Virtual colour wheel with 237 colours including whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- Tungsten lamp effect at whites 2.700 K and 3.200 K (red shift and thermal delay during dimming)
- Motorized zoom: 8°–63°
- Strobe effect with variable speed (max.20 flashes per second)
- Pan and Tilt movement range: 450°/300°
- DMX channels: 16, 24, 96
- 3 DMX protocol modes
- 3-editable programs, each up to 100 steps
- Ethernet port: Art-Net protocol, ready for ACN
- Data in/out: Locking 3-pin & 5-pin XLR
- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- QVGA Robe touch screen with battery backup gravitation sensor for auto screen positioning operation memory service log with RTC
- Communication protocols: USITT DMX-512, Art-Net, MA Net, MA Net2, RDM
- Wireless CRM™ technology from Lumen Radio included as standard accessory
- Electronic auto ranging power supply, 100–240 V AC, 50–60 Hz
- Rigging: 2 pairs of ¼-turn locks +2x Omega bracket with ¼-turn quick locks



Distance (m)	2	4	5	6	8	10	12	14	
Red	111/494	1328/122	850/79	590/75	332/31	213/20	148/14	106/10	Intensity Lux/Photocandies
Green	1262/115	3156/203	2020/188	1402/130	788/73	505/47	351/33	256/24	
Blue	5168/157	422/39	270/25	188/17	105/10	67/6	47/4	34/3	
White	1602/134	4156/386	2660/247	1847/172	1039/97	665/62	462/43	339/32	
R+G+B+W	14625/1218	8656/804	5340/514	3847/357	2164/201	1385/129	962/89	707/66	



Distance (m)	2	4	5	6	8	10	12	14	
Red	325/30	81/8	52/5	36/3.4	20/2	13/1.2	9/0.8	7/0.6	Intensity Lux/Photocandies
Green	813/76	203/19	130/12	90/8	51/5	33/3	23/2	17/1.5	
Blue	113/11	28/3	18/1.7	13/1.2	7/0.7	5/0.4	3/0.3	2/0.2	
White	1894/182	274/25	175/16	121/11	69/6	44/4	30/3	22/2	
R+G+B+W	2200/204	350/31	352/33	249/23	138/13	88/8	61/6	45/4	





# ROBIN®

## MMX SERIES

ROBIN MMX series belongs among the most efficient fixtures in the 1.200W range. It completely represents ROBE philosophy Think of the future & consider nature which is smaller, lighter, tighter and eco friendly products. In all aspects MMX Spot, MMX WashBeam and MMX Blade exceed other 1.200W discharge lamp fixtures. They offer all features you would expect from the state-of-art moving heads. They meet the highest criteria concerning efficiency and quality for multipurpose use.



# ROBIN® MMX WashBeam™

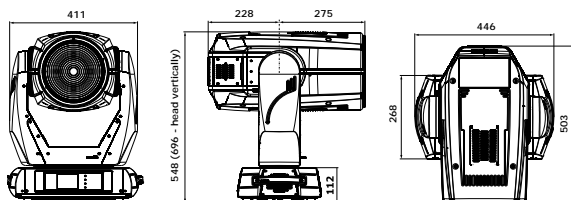
Encompassing all the new technologies developed for the MMX Spot, the WashBeam provides the lighting designer with a huge range of features and effects in a single fixture. The Phillips Platinum 35 light source together with the Robe MMX optical system, produces a light output exceeding most traditional 1.200W products. A unique internal automated 'Barn door' assembly makes this the ultimate controllable Wash luminaire.

Each 'door' individually positionable to control the light edge, with the complete assembly rotating through 180 degrees - just as a conventional lantern.

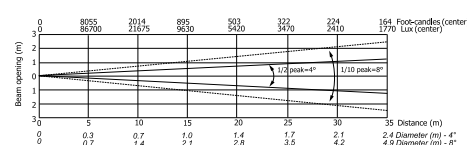
With the change of a lens, the WashBeam switches from a super-flat, even wash - extendable out to 54 degrees into a tight 3 degree Beam effect machine - both options retaining all the key performance features of the MMX family - including full CMY colour mixing, saturated colour wheel, variable CTO, variable Hot-Spot control, motorised Zoom & Focus and Rotating indexable glass gobos - all adding up to a real advantage over other existing Beam products.

## TECHNICAL SPECIFICATION

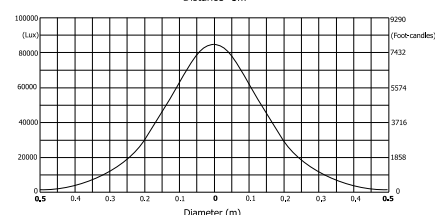
- Light Source: Philips MSR Platinum 35, 1.200 W equivalent
- Zoom range Beam application: 3 °–65 °
- Zoom range Wash application: 4 °–54 °
- CMY+CTO dichroic colour flag system for smooth and fast colour mixing
- Colour wheel with 6 dichroic filters + white
- Rotating Gobo wheel: 7 rotating, indexable, replaceable "SLOT & LOCK" glass gobos + open + beam reducer
- Beam Shaper – individual position control of 4 'doors' and +/- 90 ° module rotation (Patent Pending)
- Remote Beam flatness/ Hot spot control (Patent Pending)
- Dimmer/Shutter: Full range dimming, variable strobe effect,
- Electronic strobbing "ZAP" effect
- Pre-programmed random strobe & pulse effects
- Motorized zoom and focus
- Pan and Tilt movement range: 540 °/270 °
- DMX channels: 34, 29, 26
- 3 DMX modes
- 3 user defined programs, each up to 100 steps
- Ethernet port: Art-Net protocol, ready for ACN
- Data in/out: Locking 3-pin & 5-pin XLR
- User Interface: Colour Touch Screen: ROBE Navigation System 2 (RNS2)
- Communication protocols: USITT DMX-512, Art-Net, MA Net, MA Net2, RDM
- Wireless CRMX™ technology from Lumen Radio included as optional accessory
- Supply Input: 100–240 V AC, 50–60 Hz auto ranging
- Rigging: 2x Omega brackets (included) with ¼-turn quick locks



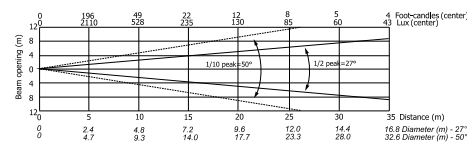
Wash mode - Min. zoom  
*Fresnel lens (glass)*



### Illuminance distribution

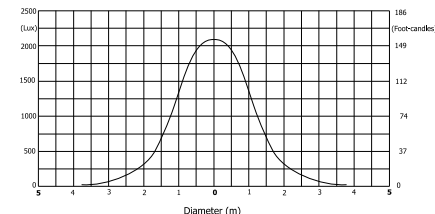


Wash mode - Max. zoom  
*Fresnel lens (glass)*

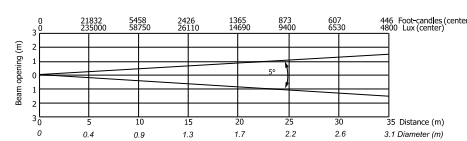


### Illuminance distribution

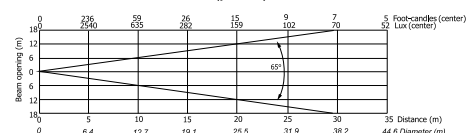
Distance=5m



Beam mode - Min. zoom  
Beam lens (plastic)



Beam mode - Max. zoom  
*Beam lens (plastic)*



# ROBIN® MMX Blade™



The ROBIN® MMX Blade is based on the new technology MMX discharge fixture, comparable output to 1.200W luminaires; the MMX Blade adds a framing shutter system into the optical path.

Four fast, smooth moving, shutter blades are individually angled and positioned within a frame which itself can rotate through 90 degrees. As well as providing a sharp or soft frame for the projected image, with repeatable precision, the system produces a new series of fast moving in-air effects through pre-programmed blade shape and movement sequences.

The MMX Blade includes many of the innovative features of the MMX including the Robe exclusive Hot-Spot lamp control feature that allows remote adjustment of flat beam uniformity or power beam hot-spot.

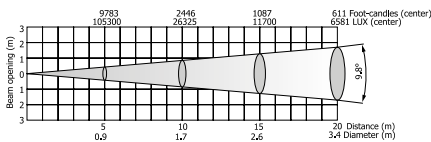
## TECHNICAL SPECIFICATION

- Light source: Philips MSR Platinum 35, 1.200W equivalent
- Fixture total lumen output: 26.141 lm
- Zoom range: 8.5° – 45.5° (8.5° – 41.5° for gobo, 9.8° – 45.5° for open hole)
- Rotating Gobo wheel with 7 rotating, indexable and replaceable "SLOT&LOCK" glass gobos + open
- Aluminium animation wheel - rotating in both directions, variable speed
- Colour wheel: 6 dichroic filters + white
- Framing shutters: 4 individually positionable blades with +-45° rotation of the complete framing system
- Hot-spot control: Hot-or-not-spot
- Iris: Motorized, stepless, pulse effects up to 3 Hz
- Prism: 5-facet prism rotating in both directions at different speeds
- Frost effect: separate, variable
- Dimmer/Shutter: full range dimming and variable strobe effect, Electronic strobbing "ZAP" effect
- Motorized zoom and focus
- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Protocols: USITT DMX-512, RDM, Art-Net, MA Net, MA Net2
- Optional wireless version available: CRMX™ technology from Lumen Radio
- Control channels: 45, 39, 37
- 3 DMX protocol modes
- Data in/out: Locking 3-pin & 5-pin XLR
- Power in: Neutrik PowerCon
- Built-in analyser for easy fault finding

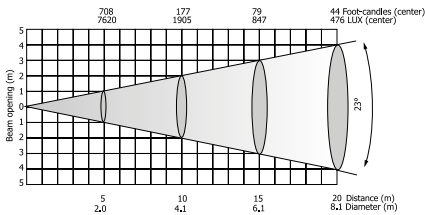


Lamp: MSR Platinum 35  
Beam angles are measured at free hole

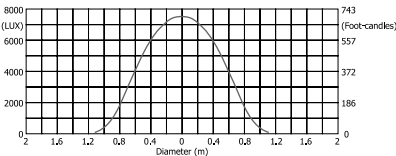
### Beam angle 9.8° - Min. zoom



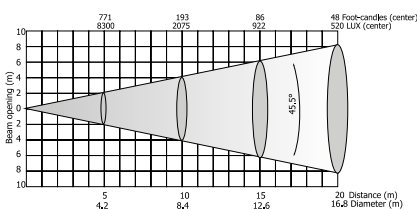
### Beam angle 9.8° with frost



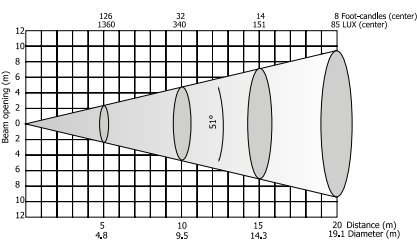
### Beam angle 9.8° with frost, distance = 5m



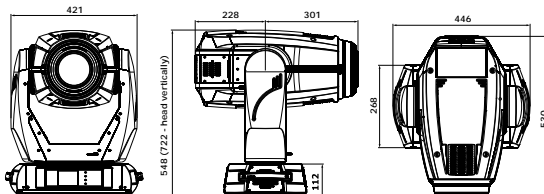
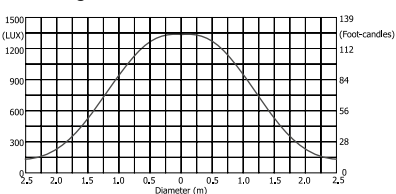
### Beam angle 45.5° - Max. zoom



### Beam angle 45.5° with frost



### Beam angle 45.5° with frost, distance = 5m





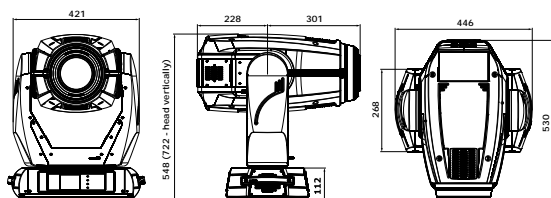
# ROBIN® MMX Spot™

The ROBIN® MMX Spot provides a very powerful output of 1.200 W fixture required for full utilization of unique animating capabilities of two rotating gobo wheels, dual graphic wheel and rotating prism. This "king of animation" is a unique combination of extreme power of the new Philips MSR Platinum 35 lamp, quietness of internal components and specially designed cooling system.

The design is packed full of features including HotSpot control, fast Iris, CMY+CTO, variable frost and other effects that allow easy customization via "SLOT&LOCK" system. Electronic auto-ranging ballast and power supplies ensure easy global installations, touring and cross renting.

## TECHNICAL SPECIFICATION

- NEW Philips MSR Platinum 35, 1.200 W equivalent
- RNS2 - Innovated Robe Navigation System with LCD touch screen and battery backup, gravitation sensor for auto screen positioning and operation memory service log with RTC
- Linear motorized zoom 8.5°–46.5°  
(8.5–42.5° for gobo, 9.8°–46.5° for open hole)
- CMY+CTO dichroic colour flag system - for smooth and fast colour mixing
- Colour wheel with 6 dichroic filters+ white
- Rotating gobo wheel 1 with 7+1 user replaceable "SLOT&LOCK" gobos
- Rotating gobo wheel 2 with 7+1 user replaceable "SLOT&LOCK" gobos
- NEW Dual Graphic Wheel (Patent Pending)
- 5-facet rotating indexable prism
- Extremely fast motorized iris, opening and closing pulses up to 3 Hz (patent pending)
- Variable frost effect
- Remote beam flatness/hotspot control
- Mechanical dimmer/shutter, Strobe effect 1/10 Hz
- Electronic ballast with dimming and strobing possibilities
- Electronic auto ranging power supply 100 – 240 V AC, 50/60 Hz
- Pan and tilt movement in 16/8 bit resolution 540°/270° with locking mechanism
- Silent operation
- Communication protocols USITT DMX-512, Art-Net, MA Net, MA Net2, RDM
- Optional wireless version available: CRMX™ technology from Lumen Radio



OPTIONAL GOBO WHEEL

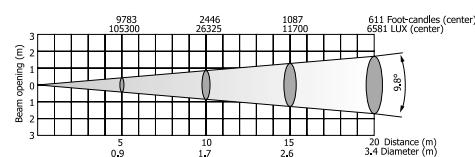


ROTATING GOBO WHEEL

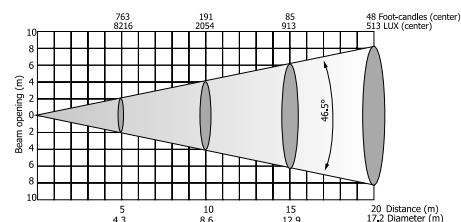


Lamp: MSR Platinum 35  
Beam angles are measured at free hole

### Beam angle 9.8° - Min. zoom



### Beam angle 46.5° - Max. zoom





# ROBIN<sup>®</sup>

## DL SERIES



# ROBIN® DL7F Wash™

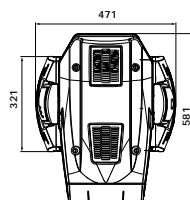
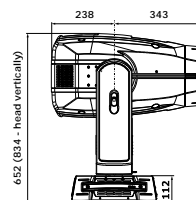
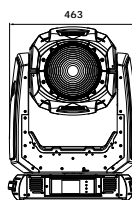
Let the colours shine and enjoy the feeling of the gorgeous spectrum of stable high CRI chromatics. Adjust seven colours, individually, to give unprecedented smooth, stable and even colour mixing and fine tune adjustable CRI in the range from 70 to 90 to meet the high standards of your applications. Add or remove green and regulate CTC between 2.700 to 8.000 kelvins via dedicated control channels.

Traditional fresnel front lens of the new Robin DL7F Wash ensures a classic look and homogenized conventional beam with high resolution smooth dimmer. The 200 mm diameter fresnel lens is easily interchangeable for optional PC lens. New innovative internal Scrim module of graduated filter can be inserted into the light path and allows rotation of the whole assembly +/- 180° to achieve even wash coverage when projecting onto a non-perpendicular surface. Mechanical features include a newly designed linear motorized zoom of 7°–65° and an interchangeable diffusion filter. The fixture uses an internal barndoor module for creating different shapes. The barndoor module consists of four individually controllable blades and is rotatable by +/- 90°.



## TECHNICAL SPECIFICATION

- Light source: ROBE's 800 W 7 colours LED engine
- LED engine life expectancy: 20.000 hrs
- CRI: >90
- Beam angle: Zoom range 8°–65° with Fresnel Lens  
7°–62,5° with PC Lens
- Output Lens diameter: 200 mm
- Colour mixing mode: CMY/RGB or seven colours (8 or 16 bit) + variable CTO
- Virtual colour wheel with 66 preset LEE swatches + 12 Robin BMFL equivalent colours + 10 user colours
- Tungsten lamp emulation at whites 2.700 K and 3.200 K
- CTC and Green correction function
- CTO: Variable
- Colour rainbow effect: Variable speed
- Interchangeable PC lens
- Beam Shaper (Internal barndoors): individual position control of 4 "doors", +/- 90° module rotation (Patent pending)
- Scrim module: Graduated filter position control, +/- 180° module rotation (Patent pending)
- Interchangeable frost, two optional filters included
- EMS™: Electronic Motion Stabiliser system for reducing beam deviation caused by truss movement or vibration
- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Protocols: USITT DMX-512, RDM, Art-Net, MA Net, MA Net2, sACN
- Wireless CRMX™ technology from Lumen Radio (on request)
- Control channels: 34, 29, 42, 33
- 4 DMX protocol modes
- 3-editable programs, each up to 100 steps
- QVGA Robe touch screen with battery backup gravitation sensor for auto screen positioning operation memory service log with RTC
- Ethernet port: Art-Net, MA Net, Ma Net 2, sACN
- Data in/out: Locking 3-pin & 5-pin XLR
- Power in: Neutrik PowerConTrue1
- Built-in analyser for easy fault finding
- Power supply: Electronic auto-ranging
- Input voltage range: 100-240 V, 50/60 Hz
- Weight: 36.0 kg (79.4 lbs)
- Rigging: Mounting points with 2 pairs of 1/4-turn locks, 2x Omega brackets with 1/4-turn quick locks



# ROBIN® DL7S Profile™

The DL7S Profile is the first DL range fixture to receive a powerful new 800W version of the LED engine with seven colours for unprecedented smooth, stable and even colour mixing and a very high CRI of 90.

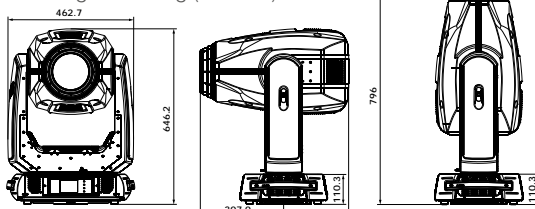
From the deepest to the lightest colours the DL7S provides a rich full colour spectrum experience, and features custom colour mixing and dimming and seamless operation especially at the minimum brightness levels. Four fast framing shutters within the optical path are individually controllable for position and angle and the entire framing module can be rotated. Crisp and soft frames can be used on projections, and a new series of effects is possible using a selection of pre-programmed shutter blade shape and movement sequences.

One rotating gobo wheel with 6 "SLOT&LOCK" gobo positions plus a static gobo wheel with 8 static gobos can be combined with the Animation wheel. Other effects and features include variable frost, rotating prism and super-fast iris. As with all the DL luminaire range, the multiple LED lightsource is completely homogenised.

## TECHNICAL SPECIFICATION



- Light source: ROBE's 800 W 7 colours LED engine
- LED engine life expectancy: 20.000 hrs
- CRI: >90
- Fixture total lumen output: 8.300 lm (Intensity mode, CCT=8.000K)  
5.020 lm (CRI mode, CCT=8.000K, CRI=90+)
- Beam angle: Zoom range 7°–43°
- Output Lens diameter: 132 mm
- RGBW or CMY or seven colours (8 or 16 bit) + variable CTO
- Virtual colour wheel with 66 preset LEE swatches + 12 Robin BMFL equivalent colours + 10 user colours
- Calibrated whites in range of 2.700K-8.000K
- Tungsten lamp emulation at whites 2.700 K and 3.200 K
- CTC and Green correction function
- Aluminium Animation wheel
- Static Gobo wheel: 8 replaceable "SLOT&LOCK" gobos 8 (glass gobos + open)
- Rotating Gobo wheel: 6 rotating, indexable, replaceable "SLOT&LOCK" glass gobos + open
- Framing shutters: 4 individually positionable blades plus rotation of the complete frame system + – 45°
- Smooth blade movements at variable speed
- Ultrafast blade movements for creating mid-air effects
- Iris: Motorized, stepless, pulse effects up to 3 Hz
- Prism: 3-facet 11° prism rotating in both directions at different speeds
- Frost filters: replaceable, variable frost filter 1°, 20° included; 10° and 30° optional accessories
- Motorized zoom and focus
- EMS™: Electronic Motion Stabiliser system for reducing beam deviation caused by truss movement or vibration
- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Protocols: USITT DMX-512, RDM, Art-Net, MA Net, MA Net2, sACN
- Wireless CRMX™ technology from Lumen Radio (on request)
- Control channels: 51, 42, 59, 46
- 4 DMX protocol modes
- 3-editable programs, each up to 100 steps
- QVGA Robe touch screen with battery backup gravitation sensor for auto screen positioning operation memory service log with RTC
- Ethernet port: Art-Net, MA Net, Ma Net 2, sACN
- Data in/out: Locking 3-pin & 5-pin XLR
- Power in: Neutrik PowerCon
- Weight: 36.0 kg (79.4 lbs)



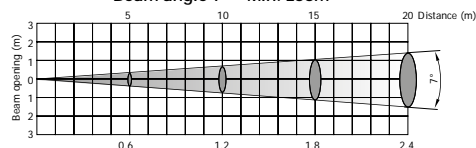
STATIC GOBO WHEEL

ROTATING GOBO WHEEL

FRAMING SHUTTERS



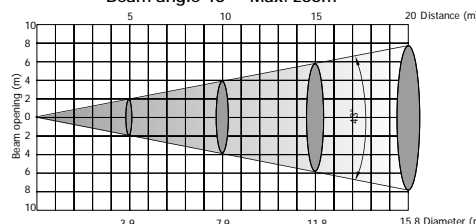
Beam angle 7° - Min. zoom



Output Mode: Intensity, Total output = 5.370 lm (CCT=8000K)

Distance (m)	5	8	10	12	14	16	18	20	
White 2700K	1860/99	4164/207	2665/248	1890/172	1360/126	1041/97	822/76	666/62	
White 3200K	1860/1126	4703/437	3073/280	2090/194	1537/143	1177/109	930/86	753/70	
White 4200K	14100/1310	5507/512	3525/328	2448/227	1798/167	1377/128	1088/101	881/82	
White 5600K	14260/1507	56336/5089	4055/377	2816/262	2069/192	1584/147	1252/116	1014/94	
White 6600K	16740/1555	3527/328	2558/230	1567/146	1152/107	882/82	695/65	564/52	
White 8000K	17500/1626	6836/635	4375/407	3038/282	2232/207	1710/159	1350/125	1094/102	

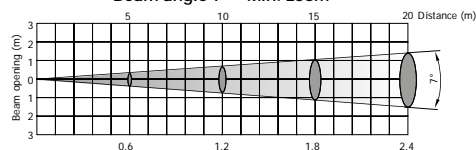
Beam angle 43° - Max. zoom



Output Mode: Intensity, Total output = 8.300 lm (CCT=8000K)

Distance (m)	5	8	10	12	14	16	18	20	
White 2700K	535/50	209/19	134/12	93/9	68/6	52/5	41/3.8	33/3	
White 3200K	577/54	225/21	144/13	100/9	75/7	56/5	44/4	36/3.4	
White 4200K	664/62	259/24	166/15	115/11	85/8	65/6	51/5	42/4	
White 5600K	731/68	286/27	182/17	127/12	94/9	72/7	56/5	46/4.2	
White 6600K	750/70	293/27	188/17	130/12	96/9	73/7	58/5	47/4.4	
White 8000K	800/74	313/29	200/19	140/12	102/9.5	78/7	62/5.7	50/4.6	

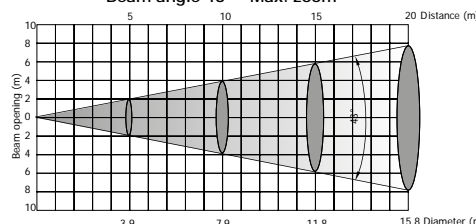
Beam angle 7° - Min. zoom



Output Mode: CRI (90+), Total output = 3.160 lm (CCT=8000K)

Distance (m)	5	8	10	12	14	16	18	20	
White 2700K	5450/506	2130/198	1362/127	950/88	695/65	532/49	420/39	340/32	
White 3200K	6330/588	2473/230	1583/147	1099/102	807/75	618/57	488/45	395/37	
White 4200K	7600/706	2970/276	1900/177	1319/123	970/90	742/69	586/55	475/44	
White 5600K	9520/884	3720/346	2380/221	1653/154	1214/112	930/86	735/68	595/55	
White 6600K	10140/942	3961/368	2535/235	1760/163	1293/120	990/92	782/73	634/59	
White 8000K	11001/1033	4336/403	2775/258	1927/179	1416/132	1084/101	856/80	694/65	

Beam angle 43° - Max. zoom



Output Mode: CRI (90+), Total output = 5.020 lm (CCT=8000K)

Distance (m)	5	8	10	12	14	16	18	20	
White 2700K	260/24	102/9	65/6	45/4.2	33/3	25/2.4	20/2	16/1.6	
White 3200K	302/28	118/11	76/7	52/5	39/4	30/2.7	23/2.2	19/2	
White 4200K	359/33	140/13	90/8	62/6	46/4	35/3	28/2.6	22/2	
White 5600K	445/41	174/16	117/10	77/7	57/5	44/4	34/3.2	28/2.6	
White 6600K	480/45	188/17	120/11	83/8	61/5.7	47/4.4	37/3.4	30/2.8	
White 8000K	536/50	209/20	134/12	93/9	68/6.4	52/5	41/4	34/3.1	



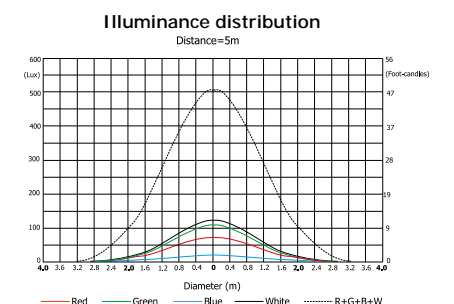
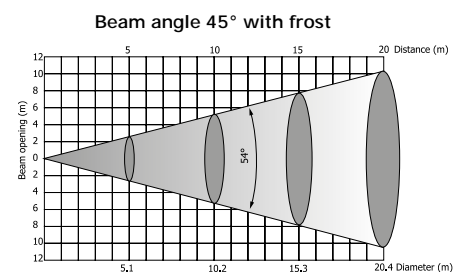
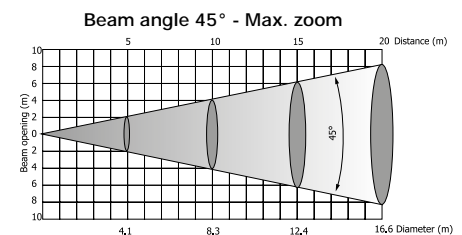
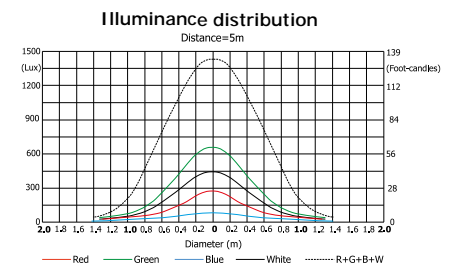
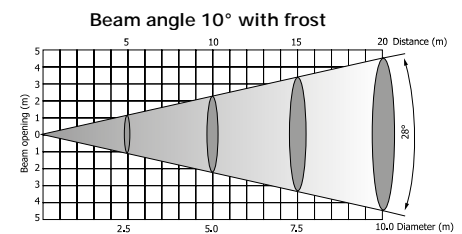
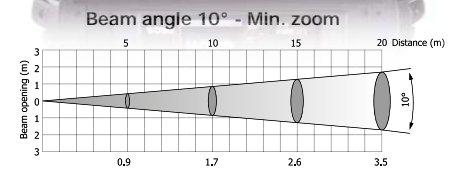
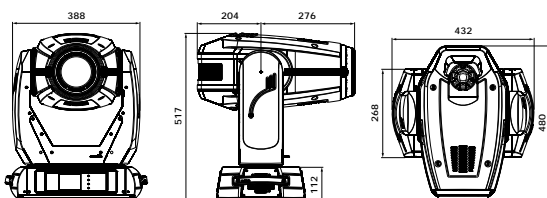
# ROBIN® DL4X Spot™

Improved, brighter version of the ROBE RGBW LED module module allows the DL4X Spot fixture to utilize the specifically modified color mixing and dimming for extra smooth, stepless operation especially at minimum brightness levels while giving colour outputs brighter than a 1.200 Watt discharge unit, but with an average very eco-friendly power consumption of only 250 Watts.

The optical system produces a very smooth, high quality light output of rich, beautiful colours with no shadows and utilizes a versatile zoom of 10–45 degrees. Effects features consist of a combination of static and rotating gobo wheels that have custom replaceable positions, variable frost, three-faceted prism, superfast iris and more... including full range dimming and variable strobe effects.

## TECHNICAL SPECIFICATION

- Light Source: 480W RGBW LED engine
- LED engine life expectancy: 20.000 hrs
- Motorized zoom 10°–45°
- RGBW or CMY colour mixing
- Virtual colour wheel with pre-programmed 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
- CTO filter
- Static gobo wheel with 9 user replaceable "SLOT&LOCK" gobos
- Rotating gobo wheel with 7 user replaceable "SLOT&LOCK" glass gobos
- Variable frost
- Extremely fast motorized iris, opening and closing pulses up to 3 Hz
- 3-facet 11° prism rotating in both directions at different speeds
- Motorized focus
- Fine dimmer/shutter, fast strobe effect (max. 20 fl ashes/second)
- Electronic auto ranging power supply 100–250 V AC, 50–60 Hz
- Pan and tilt movement in 16/8 bit resolution 540°/280° with locking mechanism
- Silent operation
- Communication protocols USITT DMX-512, Art-Net, MA Net, MA Net2, RDM, sACN
- Control channels: 35, 25, 23
- RNS2 - Robe Navigation System with LCD touch screen and battery backup, gravitation sensor for auto screen positioning and operation memory service log with RTC
- Wireless CRMX™ technology from Lumen Radio as optional accessory
- Rigging: 2 pairs of ¼-turn locks + 2x Omega bracket with ¼-turn quick locks



ROTATING GOBO WHEEL



# ROBIN® DL4F Wash™

This is the perfect companion to the ROBIN® DL4S Profile, the new ROBIN® DL4F Wash is based on the same RGBW LED module with improved brightness and with specifically modified color mixing and dimming for extra smooth, stepless operation especially at minimum brightness levels.

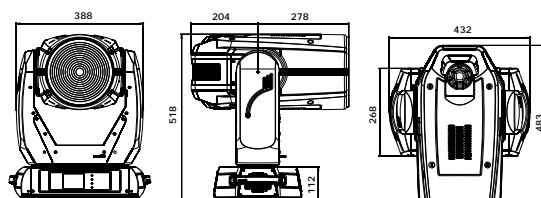
With a perfectly smooth output via the front Fresnel lens, this fixture has been optimized for those wanting an even light output with no shadows. (RGB breakups and shadows are not present even when on closely positioned trussing or other objects.) Mechanical features include a newly designed linear motorized zoom of 5.5°–60° and a diffusion filter for extension of the zoom up to 75°. The fixture uses a internal Barndoor module for creating different shapes. The module consists of four individually controllable blades and is rotatable by plus or minus 90 degrees.

Advanced software features include RGBW or CMY colour mixing, a set of calibrated whites, CTO, Tungsten lamp emulation (amber shift) and more.

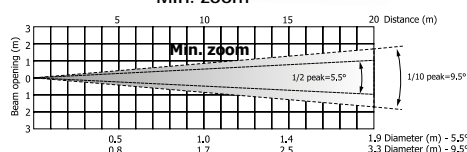
## TECHNICAL SPECIFICATION



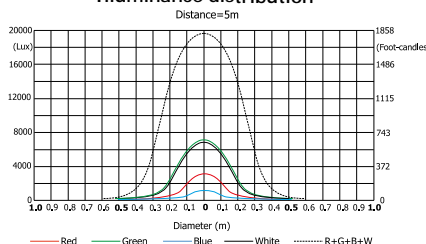
- Light Source: 480W RGBW LED engine
- LED engine life expectancy: 20.000 hrs
- Motorized zoom 5,5 ° – 60 ° (75 ° with frost)
- RGBW or CMY colour mixing
- Virtual colour wheel with pre-programmed 237 colours including whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- Tungsten lamp effect at whites 2.700 K and 3.200 K
- CTO filter
- Four individually controllable blades (Patent Pending)
- 40 beam shaper macros
- Variable frost
- Fine dimmer/shutter, fast strobe effect (max. 20 flashes/second)
- Electronic auto ranging power supply 100 – 250 V AC, 50 – 60 Hz
- Pan and tilt movement in 16/8 bit resolution 540 °/260 ° with locking mechanism
- Silent operation
- Communication protocols USITT DMX-512, Art-Net, MA Net, MA Net2, RDM
- Control channels: 29, 23, 21
- RNS2 - Robe Navigation System with LCD touch screen and battery backup, gravitation sensor for auto screen positioning and operation memory service log with RTC
- Wireless CRMX™ technology from Lumen Radio as optional accessory
- Rigging: 2 pairs of ¼-turn locks + 2x Omega bracket with ¼-turn quick locks
- 3 Years or 20.000 Hours light source warranty



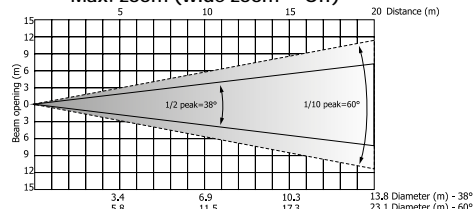
Min. zoom



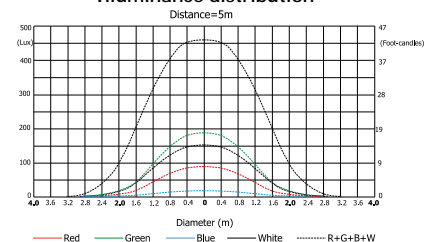
Illuminance distribution



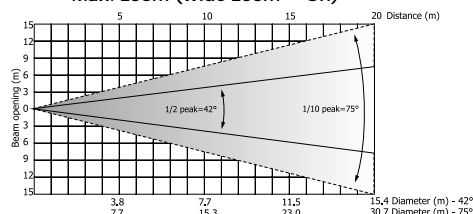
Max. zoom (wide zoom = Off)



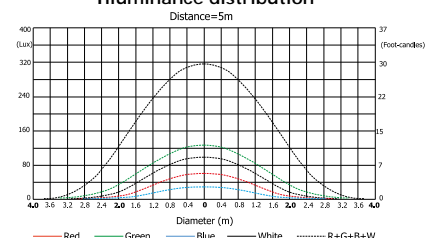
Illuminance distribution



Max. zoom (wide zoom = On)



Illuminance distribution



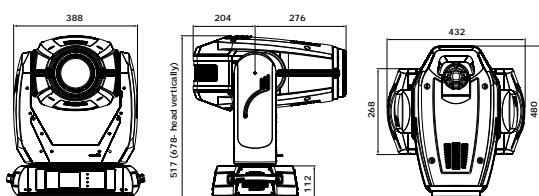
# ROBIN® DL4S Profile™

Extending the possibilities of the playful, colorful DLS Profile, the new DL4S is equipped with enhanced version of the ROBE RGBW LED module for brighter saturated colours and more powerful output.

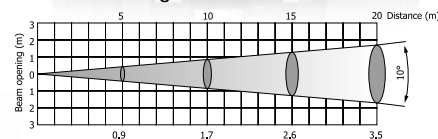
To magnify the already perfectly smooth colours, fades and dimming, the DL4S features innovative LED driving system for improved, extremely high definition dimming curve for all R, G, B, W colours, with 18 bits resolution. The DL4S adds a system of 4 fast, smooth, framing shutters within the optical path design of the proven DL4S Spot format. There is individual control of each shutter blade position and angle, together with rotation of the complete framing module. As well as providing a sharp precise or soft frame for the projected image, the system produces a new series of effects through pre-programmed shutter blade shape and movement sequences. As with all models in the Robe DL luminaire range, the multiple shadows normally associated with an LED source have been eliminated. The enhanced Robe RGBW LED light source reproduces both rich and pastel colours at output levels normally associated with 1.200W discharge fixtures as well as pure whites at preselected 2.700, 3.200, 4.200, 5.600 and 8.000 kelvin colour temperatures. The tungsten emulation function allows the fixture to be integrated seamlessly into lighting schemes with existing traditional lanterns.

## TECHNICAL SPECIFICATION

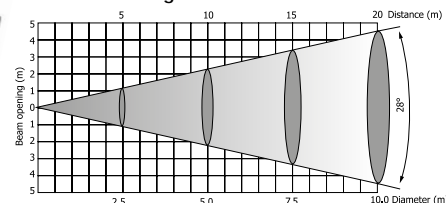
- Light Source: 480W RGBW LED engine
- LED engine life expectancy: 20.000 hrs
- Linear motorized zoom: 10° – 45°
- RGBW or CMY colour mixing + variable CTO
- Virtual wheel with pre-programmed 237 colours plus whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- Tungsten lamp effect at whites 2.700 K and 3.200 K
- Aluminium Animation wheel
- Rotating Gobo wheel with 7 rotating, indexable, replaceable "SLOT&LOCK" metal gobos + open
- Framing shutters: 4 individually positionable blades plus rotation of the complete frame system + – 45° (Patent Pending)
- Motorized Iris, stepless, pulse effects up to 3 Hz
- 3-facet 11° prism rotating in both directions at different speeds
- Frost filter: Separate, variable
- Motorized focus
- High resolution dimmer 0–100%
- Strobe effect with variable speed
- Pre-programmed random strobe & pulse effects
- Pan and Tilt movement range: 540°/280°
- DMX channels: 47, 38, 36
- 3 DMX modes
- 3 user defined programs, each up to 100 steps
- Ethernet port: Art-Net protocol, ready for ACN
- Data in/out: Locking 3-pin & 5-pin XLR
- RNS2 - Robe Navigation System with LCD touch screen and battery backup, gravitation sensor for auto screen positioning and operation memory service log with RTC
- Communication protocols: USITT DMX-512, Art-Net, MA Net, MA Net2, sACN, RDM
- Wireless CRMX™ technology from Lumen Radio as optional accessory
- Supply Input: 100–240 V AC, 50–60 Hz auto ranging
- Power connection: Neutrik PowerCon
- Weight: 22.7 kg (50 lbs)



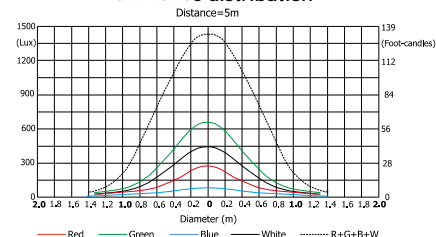
Beam angle 10° - Min. zoom



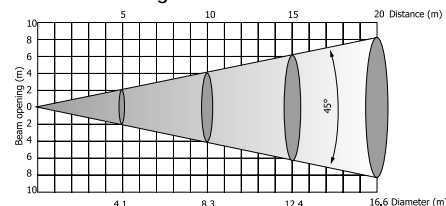
Beam angle 10° with frost



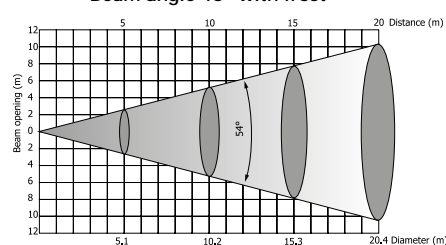
Illuminance distribution



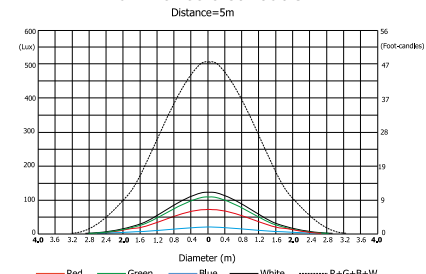
Beam angle 45° - Max. zoom



Beam angle 45° with frost



Illuminance distribution



# ROBIN®

## ACTOR SERIES

Robe's Actor range of wash luminaires brings the flexibility of the award-winning and hugely successful ROBIN LEDWash series to fixed position applications. It has been developed specifically for the theatre and TV markets. This series of static heads with manual pan/tilt comes in 3 sizes. It uses super-bright RGBW multichip LEDs with a motorized 8 – 63 degrees zoom, smooth colour mixing and linear dimming without RGB „break-up“ or grey shadows. There is a full DMX control over the zoom angle and colour mixing including 237 preset colours. The series also offers selectable whites, variable CTO, concentric ring effect macros and a full tungsten emulation.





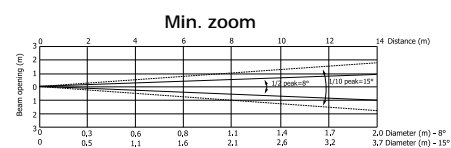
# ROBIN® Actor 6 ST™

Robe's Actor range of wash luminaires bring the flexibility of the award-winning LEDWash series to fixed position applications. The 300, 600 and 1200 models deliver a small, easy-to-control static head that can be manually locked into position.

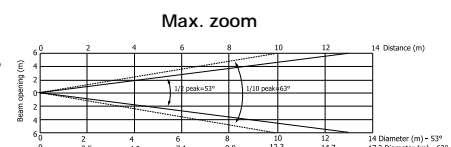
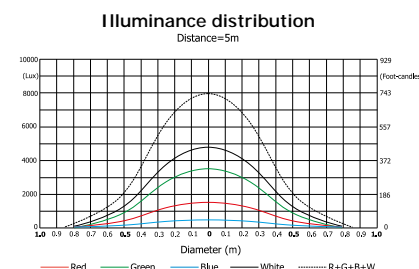
High power 15W RGBW LEDs combined with Robe's patented motorised zoom optical system result in a smooth, flat beam, ranging from 8 to an impressive 63 degrees! There is full DMX control over the zoom angle and colour mixing, including 237 preset colours, selectable whites, variable CTO and concentric ring-effect macros and full tungsten emulation.

## TECHNICAL SPECIFICATION

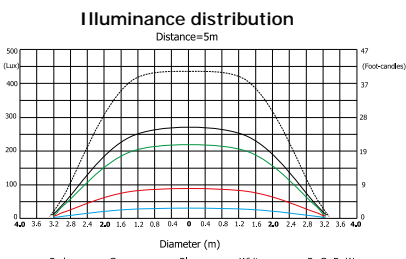
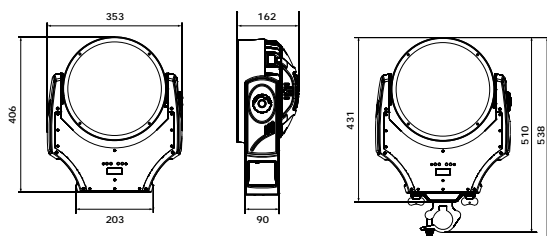
- 37x 15W RGBW multichips
- LED life expectancy: > 60.000 hours
- Max. power consumption: 415W
- Typical lumen maintenance: 70% @ 60.000 hours
- Linear motorized zoom: 8° – 63°
- RGBW or CMY colour mixing + variable CTO
- Virtual wheel with pre-programmed 237 colours plus whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- Tungsten lamp effect at whites 2.700 K and 3.200 K
- 3 individually controllable LED rings
- High resolution dimmer 0 – 100%
- Strobe effect with variable speed
- Pre-programmed random strobe & pulse effects
- DMX channels: 32, 16, 10, 5, 32, 37
- 6 DMX modes
- 3 user defined programs, each up to 40 steps
- Data in/out: Locking 5-pin XLR
- User interface: 2 line LCD display & 4 push buttons
- Communication protocols: USITT DMX-512, RDM
- Wireless CRMX™ technology from Lumen Radio included as optional accessory
- Supply Input: 100–240 V AC, 50–60 Hz auto ranging
- Power connection: Neutrik PowerCon
- Rigging: 1x Omega bracket (included) with ¼-turn quick locks
- Removable floor stand (included)
- Manual Pan and Tilt adjustment & lock



Distance (m)	2	4	5	6	8	10	12	14	
Red	1031/958	2578/240	1650/153	1146/107	645/60	413/38	287/27	211/20	
Green	1261/1195	3066/549	3780/351	2625/244	1477/137	945/86	656/61	482/45	
Blue	3561/331	891/83	570/53	396/37	223/21	143/13	99/9	73/7	
White	3061/2848	7656/711	4900/455	3453/318	1914/178	1225/114	851/79	625/58	
R+G+B+W	9004/4446	13504/1166	8000/743	5555/516	3126/290	2000/186	1388/129	1024/95	



Distance (m)	2	4	5	6	8	10	12	14	
Red	594/55	148/14	95/9	66/6	37/3.4	24/2.2	17/1.5	12/1.1	
Green	1344/120	336/31	215/20	149/14	84/8	54/5	37/3.5	27/2.5	
Blue	1881/17	474/4	307/2.8	212/2	121/1	81/7	50/5	40/4	
White	1088/107	422/39	270/25	188/17	106/10	68/6	47/4	34/3	
R+G+B+W	2863/266	716/67	458/43	318/30	179/17	115/11	80/7	58/5	





# ROBIN® Actor 3 ST™

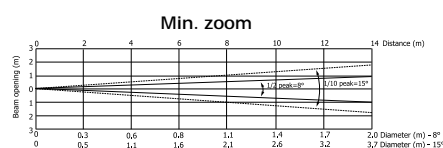


Robe's Actor range of wash luminaires bring the flexibility of the Award-winning LEDWash series to fixed position applications. The 300, 600 and 1200 models deliver a small, easy-to-control static head that can be manually locked into position.

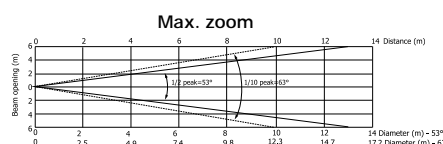
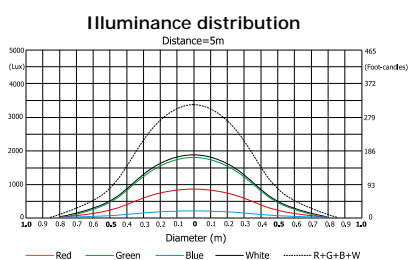
High power 15W RGBW LEDs combined with Robe's patented motorised zoom optical system result in a smooth, flat beam, ranging from 8 to an impressive 63 degrees! There is full DMX control over the zoom angle and colour mixing, including 237 preset colours, selectable whites, variable CTO and concentric ring-effect macros and full tungsten emulation.

## TECHNICAL SPECIFICATION

- 19x 15W RGBW multichips
- LED life expectancy: > 60.000 hours
- Max. power consumption: 200W
- Typical lumen maintenance: 70% @ 60.000 hours
- Linear motorized zoom: 8°– 63°
- RGBW or CMY colour mixing + variable CTO
- Virtual wheel with pre-programmed 237 colours plus whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K )
- Tungsten lamp effect at whites 2.700 K and 3.200 K
- 3 individually controllable LED rings
- High resolution dimmer 0 –100%
- Strobe effect with variable speed
- Pre-programmed random strobe & pulse effects
- DMX channels: 32, 16, 10, 5, 32,37
- 6 DMX modes
- 3 user defined programs, each up to 40 steps
- Data in/out: Locking 5-pin XLR
- User interface: 2 line LCD display & 4 push buttons
- Communication protocols: USITT DMX-512, RDM
- Wireless CRMX™ technology from Lumen Radio included as optional accessory
- Supply Input: 100–240 V AC, 50–60 Hz auto ranging
- Power connection: Neutrik PowerCon
- Rigging: 1x Omega bracket (included) with ¼-turn quick locks
- Removable floor stand (included)
- Manual Pan and Tilt adjustment & lock

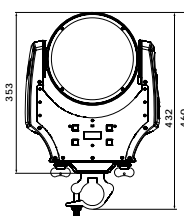
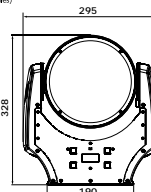
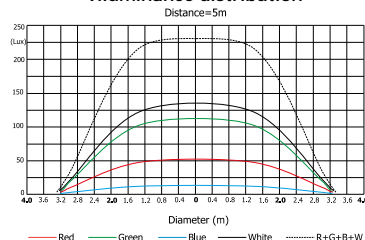


Distance (m)	2	4	5	6	8	10	12	14	
Red	5256/488	1314/122	841/78	584/54	328/31	210/20	146/14	107/10	Intensity (center) Lux/footcandles
Green	11170/1014	2781/258	1786/165	1236/115	695/65	445/41	309/29	227/21	
Blue	1313/122	328/31	210/20	146/14	82/8	53/5	37/3.4	27/2.5	
White	3113/105	2828/263	1810/168	1257/117	707/66	453/42	314/29	231/21	
R+G+B+W	28838/1845	6234/486	3350/311	2326/216	1309/122	838/78	582/54	427/40	



Distance (m)	2	4	5	6	8	10	12	14	
Red	331/31	83/8	53/5	37/3.4	21/2	13/1.2	9/0.9	7/0.6	Intensity (center) Lux/footcandles
Green	719/67	180/17	115/11	80/7.4	45/4.2	29/2.7	20/1.9	15/1.4	
Blue	94/9	23/2.2	15/1.4	10/1	6/0.5	4/0.3	3/0.2	2/0.2	
White	850/79	213/20	136/13	94/9	53/5	34/3	24/2.2	17/1.6	
R+G+B+W	1444/134	361/34	231/22	160/15	90/8.4	58/5.4	40/3.7	30/2.7	

## Illuminance distribution



# ROBIN®

## 600 SERIES

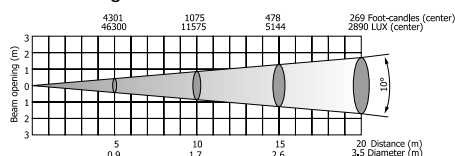


Robe's brand new Robin 600 Series offers powerful and extremely bright moving light technology in a compact housing. Together with the latest addition of Multichip LED based ROBIN® 600 LED Wash, the Robin 600 series currently includes the ROBIN® 600E Spot and ROBIN® 600 LED Wash, all of which use a new patented cooling system, a new optical system and offer a full range of innovative features.

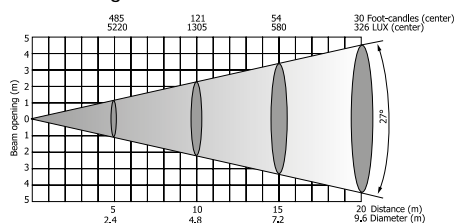


Lamp: MSR Gold 575/2 MiniFastFit

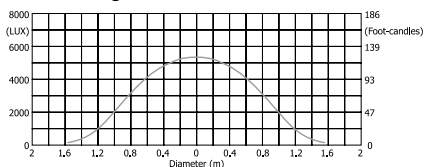
#### Beam angle 10° - min. zoom



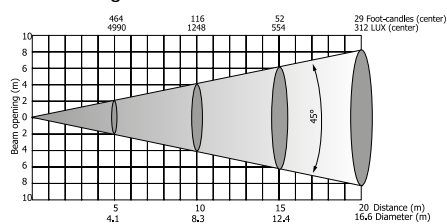
#### Beam angle 10° with frost



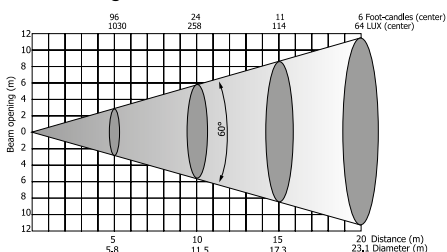
#### Beam angle 10° with frost, distance = 5m



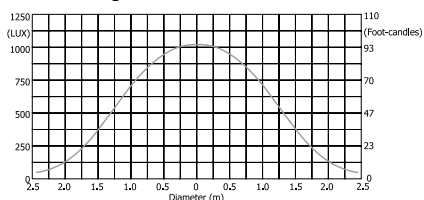
#### Beam angle 45° - max. zoom



#### Beam angle 45° with frost

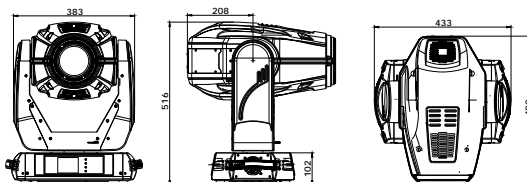


#### Beam angle 45° with frost, distance = 5m



## TECHNICAL SPECIFICATION

- **NEW** Philips MSR Gold 575/2 MiniFastFit lamp, CCT 7.500 K, Luminous flux 37.000 Lm, CRI>70, 750 hrs lamp life, PGJX 28
- RNS2 - Innovated Robe Navigation System with LCD touch screen and battery backup, gravitation sensor for auto screen positioning and operation memory service log with RTC (patent pending)
- Linear motorized zoom 10°–45° (2° - min. zoom with iris, 60° - max. zoom with frost) (patent pending)
- CMY+CTO dichroic colour flag system – for smooth and fast colour mixing (patent pending)
- Colour wheel with 7+1 user replaceable "SLOT&LOCK" trapezoid shaped positions (patent pending)
- Rotating gobo wheel with 7+1 user replaceable "SLOT&LOCK" gobos (patent pending)
- Static gobo wheel with 9+1 user replaceable "SLOT&LOCK" gobos (patent pending)
- 3-facet 11° rotating indexable prism
- Extremely fast motorized iris, opening and closing pulses up to 3 Hz (patent pending)
- Variable frost effect
- Remote beam flatness/hotspot control (patent pending)
- Mechanical dimmer/shutter, Strobe effect 1–10 Hz
- Electronic ballast with dimming and strobing possibilities
- Electronic auto ranging power supply 100–240 V AC, 50/60 Hz
- Pan and tilt movement in 16/8 bit resolution 540°/280° with locking mechanism
- Communication protocols USITT DMX-512, Art-Net, MA Net, MA Net2, RDM
- Optional wireless version available: CRMX™ technology from Lumen Radio
- New lamp cooling system (patent pending)



ROTATING GOBO WHEEL

STATIC GOBO WHEEL





# ROBIN® 600 LEDWash™

The super-slim ROBIN® LEDWash 600 features 37 RGBW multichip LEDs with colour output ranging from gentle pastels to the richest saturation.

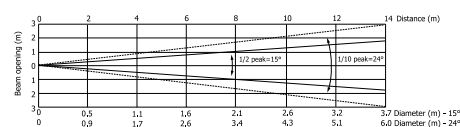
Arranged in 3 concentric rings these LEDs offer unique possibilities for creating stunning colour and pattern audience blinding effects as well as for providing comprehensive and perfectly even wash coverage. This system sets the LEDWash 600 ahead of any other LED wash light products, making it a truly 'multi-purpose' unit, equipped also with extremely versatile 15–60 degree motorized zoom, powerful fast strobing and pre-programmed pulse strobe effects.

## TECHNICAL SPECIFICATION

- 37 RGBW LED multichips
- Led Life Expectancy: minimum 60.000 hours
- Typical Lumen Maintenance: 70% @ 60.000 hours
- Linear motorized zoom: 15°–60°
- RGBW colour mixing, CTO
- Virtual colour wheel with 237 colours including whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- High resolution dimmer 0–100%
- Strobe effect with variable speed
- LED zone strobe effects with variable speed
- DMX channels: 37/21/15/10/37
- 5 DMX protocol modes
- 3-editable programs, each up to 100 steps
- Ethernet port: Art-Net protocol, ready for ACN
- Data in/out: Locking 3-pin & 5-pin XLR
- RNS2 - Robe Navigation System with LCD touchscreen and battery backup, gravitation sensor for auto screen positioning and operation memory service log with RTC
- Communication protocols: USITT DMX-512, Art-Net, MA Net, MA Net2, RDM
- Optional wireless version available: CRMX™ technology from Lumen Radio
- Electronic auto ranging power supply, 100–240 V AC, 50/60 Hz
- Power consumption: 415W
- Pan and Tilt movement range: 450°/300°; 16 bit resolution
- Mounting points: 2 pairs of 1/4-turn locks

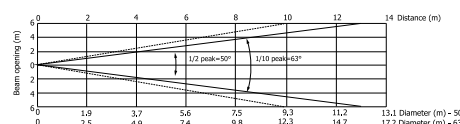


Min. zoom

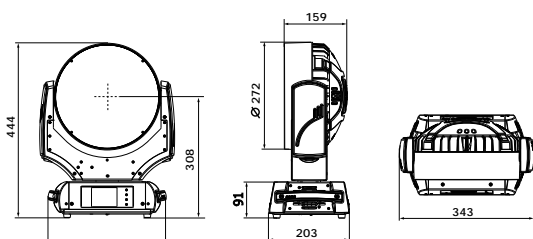


Distance (m)	2	4	5	6	8	10	12	14	
Red	383/356	958/89	613/57	426/40	240/22	153/14	106/10	78/7	
Green	675/629	2169/415	1084/101	753/70	423/40	271/25	188/18	138/13	Intensity (center) Lux/Foot-candles
Blue	1288/120	322/30	206/19	143/13	81/8	52/5	36/3	26/2.4	
White	9550/887	2387/222	1528/142	1061/99	597/56	362/36	265/25	195/18	
R+G+B+W	20875/1939	52188/485	3340/310	2319/216	1305/121	835/78	580/54	426/40	

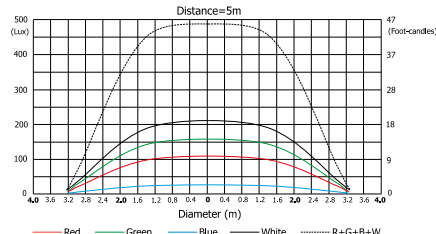
Max. zoom



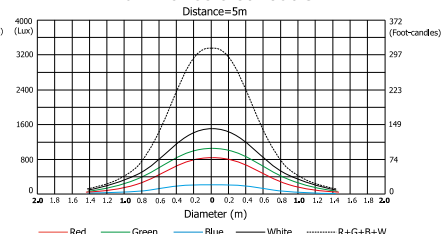
Distance (m)	2	4	5	6	8	10	12	14	
Red	544/51	136/13	87/8	60/6	34/3	22/2	15/1.4	11/1	
Green	1031/96	258/24	165/15	115/11	65/6	41/4	29/3	21/2	Intensity (center) Lux/Foot-candles
Blue	208/19	50/5	30/3	22/2	13/1.2	8/0.7	6/0.5	4/0.4	
White	1238/124	324/31	214/20	149/14	86/8	54/5	37/4	27/2.5	
R+G+B+W	3038/282	759/71	496/45	338/31	190/18	122/11	84/8	62/6	



Illuminance distribution



Illuminance distribution





# ROBIN®

## PURE WHITE SERIES

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 - DayLight (6.300 K), WarmWhite (3.000 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 the 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.



# ROBIN® 600 PureWhite™

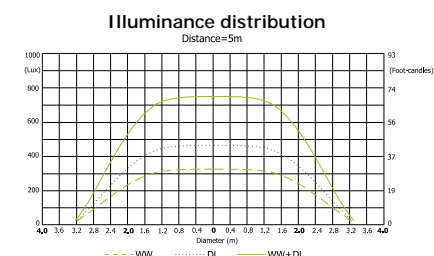
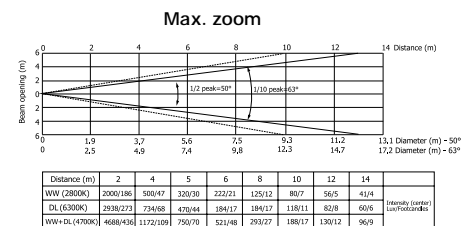
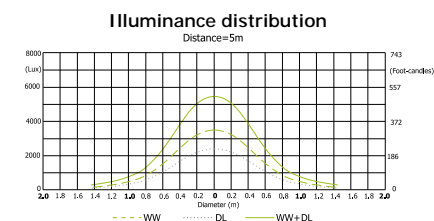
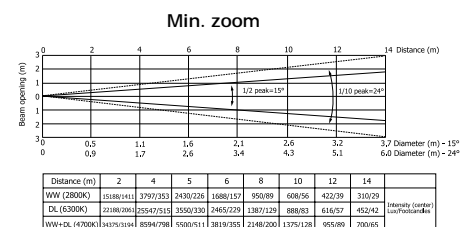
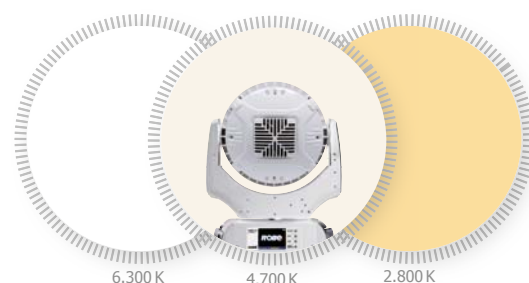
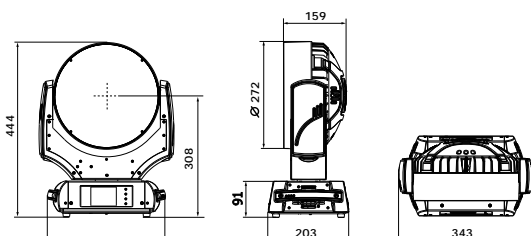
## Smart White

The SmartWhite version uses 37 white only multichip LEDs in combination of 6.300K and 2.800K colour temperature arranged in 3 concentric rings for providing comprehensive and perfectly even wash coverage, allowing to adjust the colour temperature according to the needs of the environment.

This renders the fixture as a perfect tool for all jobs including carshows, theaters and thank to the 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.

## TECHNICAL SPECIFICATION

- Light source: 37 DL/WW LED multichips
- Led Life Expectancy: minimum 60.000 hours
- Typical Lumen Maintenance: 70% @ 60.000 hours
- Linear motorized zoom: 15°–60°
- High resolution dimmer 0–100%
- Strobe effect with variable speed (max. 20 flashes per second)
- DMX channels: 24/16/12/10/24
- 5 DMX protocol modes
- 3-editable programs, each up to 100 steps
- Ethernet port: Art-Net protocol, ready for ACN
- Data in/out: Locking 3-pin & 5-pin XLR
- RNS2 - Robe Navigation System with LCD touchscreen and battery backup, gravitation sensor for auto screen positioning and operation memory service log with RTC
- Communication protocols: USITT DMX-512, Art-Net, MA Net, MA Net2, RDM
- Optional wireless version available: CRMX™ technology from Lumen Radio
- Electronic auto ranging power supply, 100–240 V AC, 50/60 Hz
- Power consumption: 415W
- Pan and Tilt movement range: 450°/300°; 16 bit resolution
- Mounting points: 2 pairs of 1/4-turn locks





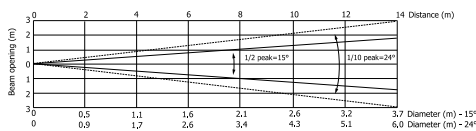
# ROBIN® 600 PureWhite™ WarmWhite

The WarmWhite version uses 37 white only multichip LEDs with 3.000K colour temperature arranged in 3 concentric rings for providing their full power for comprehensive and perfectly even wash coverage, It is the perfect tool for places where warmer colour temperature is required for cameras and dramatic effect, making it most useful in theaters and thanks to the flicker free LED operation also in 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.



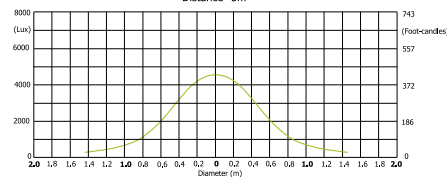
Min. zoom



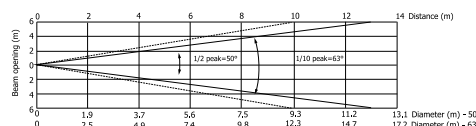
Distance (m)	2	4	5	6	8	10	12	14	Intensity (center) Lux/foot-candles
WW (3000K)	2963/270	726/675	465/432	323/300	181/169	116/108	80/75	59/55	

Illuminance distribution

Distance=5m



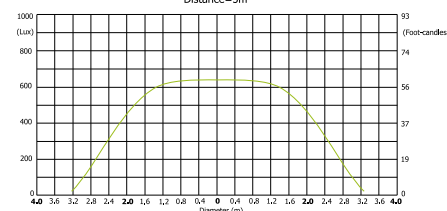
Max. zoom



Distance (m)	2	4	5	6	8	10	12	14	Intensity (center) Lux/foot-candles
WW (3000K)	1000/372	1000/93	640/60	444/41	250/23	150/15	111/10	82/8	

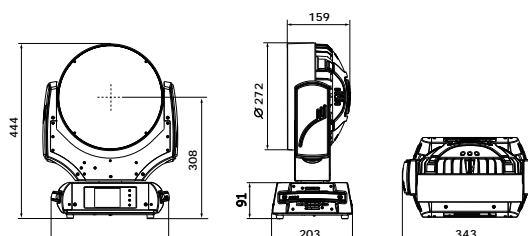
Illuminance distribution

Distance=5m



## TECHNICAL SPECIFICATION

- Light source: 37 WW LED multichips
- Led Life Expectancy: minimum 60.000 hours
- Typical Lumen Maintenance: 70% @ 60.000 hours
- Linear motorized zoom: 15 °– 60 °
- High resolution dimmer 0 – 100 %
- Strobe effect with variable speed (max. 20 flashes per second)
- DMX channels: 18/12/13/10/18
- 5 DMX protocol modes
- 3-editable programs, each up to 100 steps
- Ethernet port: Art-Net protocol, ready for ACN
- Data in/out: Locking 3-pin & 5-pin XLR
- RNS2 - Robe Navigation System with LCD touchscreen and battery backup, gravitation sensor for auto screen positioning and operation memory service log with RTC
- Communication protocols: USITT DMX-512, Art-Net, MA Net, MA Net2, RDM
- Optional wireless version available: CRMX™ technology from Lumen Radio
- Electronic auto ranging power supply, 100 – 240 V AC, 50/60 Hz
- Power consumption: 415W
- Pan and Tilt movement range: 450 °/300 °; 16 bit resolution
- Mounting points: 2 pairs of 1/4-turn locks



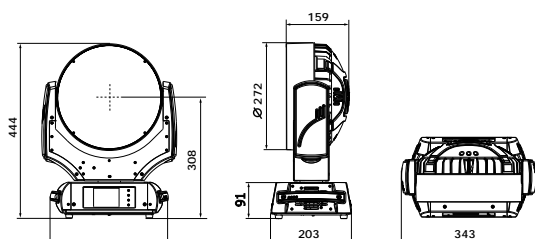
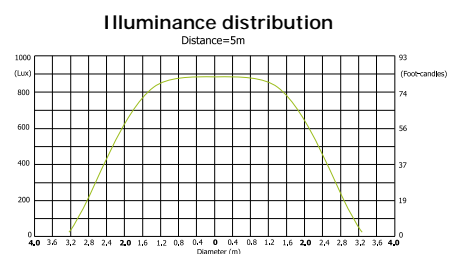
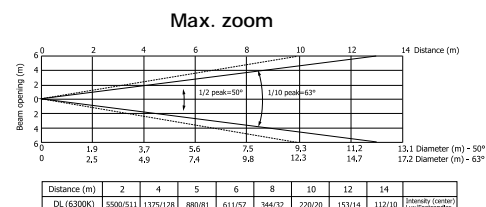
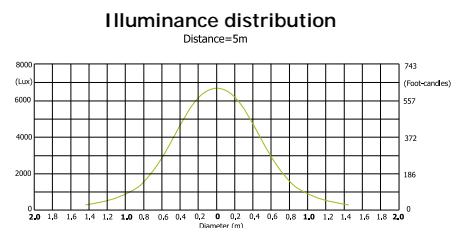
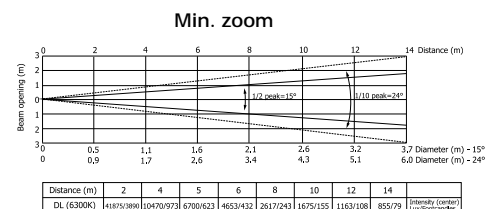
# ROBIN® 600 PureWhite™ DayLight

The Day Light version uses 37 white only multichip LEDs with 6.300K colour temperature arranged in 3 concentric rings for providing their full power for comprehensive and perfectly even wash coverage. It is an ideal light where colder colour temperature is required, mainly for car shows, concerts and thank to the 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.

## TECHNICAL SPECIFICATION

- Light source: 37 DL LED multichips
- Led Life Expectancy: minimum 60.000 hours
- Typical Lumen Maintenance: 70% @ 60.000 hours
- Linear motorized zoom: 15°–60°
- High resolution dimmer 0–100%
- Strobe effect with variable speed (max. 20 flashes per second)
- DMX channels: 18/12/13/10/18
- 5 DMX protocol modes
- 3-editable programs, each up to 100 steps
- Ethernet port: Art-Net protocol, ready for ACN
- Data in/out: Locking 3-pin & 5-pin XLR
- RNS2 - Robe Navigation System with LCD touchscreen and battery backup, gravitation sensor for auto screen positioning and operation memory service log with RTC
- Communication protocols: USITT DMX-512, Art-Net, MA Net, MA Net2, RDM
- Optional wireless version available: CRMX™ technology from Lumen Radio
- Electronic auto ranging power supply, 100–240 V AC, 50/60 Hz
- Power consumption: 415W
- Pan and Tilt movement range: 450°/300°; 16 bit resolution
- Mounting points: 2 pairs of 1/4-turn locks





# ROBIN®

## 300 SERIES



The Robin 300 Series offers powerful lights in compact housings, each one utilising all the new features of ROBE's Innovative Technology. Collectively with newly added Multichip LED based ROBIN® 300 LED Wash, the Robin 300 range includes discharge lamp based products including the ROBIN® 300E Spot.

# ROBIN® 300 LEDWash™

Utilizing 19 multichip LEDs and motorized linear zoom 15 – 60 degrees the ROBIN® LEDWash 300 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 dynamic array of true colours and hues.

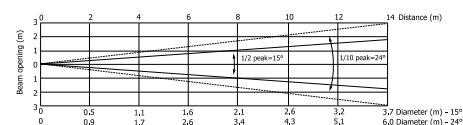
This lightweight compact fixture is ideal for all small-to-medium applications, particularly those where space and accessibility is an issue.

## TECHNICAL SPECIFICATION

- 19 RGBW LED multichips
- Led Life Expectancy: minimum 60.000 hours
- Typical Lumen Maintenance: 70 % @ 60.000 hours
- Linear motorized zoom: 15° – 60°
- RGBW colour mixing, CTO
- Virtual colour wheel with 237 colours including whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- High resolution dimmer 0 – 100 %
- LED zone strobe effects with variable speed
- Pre-programmed random strobe pulse-effects
- DMX channels: 37/21/15/10/37
- 5 DMX protocol modes
- 3-editable programs, each up to 100 steps
- Ethernet port: Art-Net protocol, ready for ACN
- Data in/out: Locking 3-pin & 5-pin XLR
- RNS2 - Robe Navigation System with LCD touchscreen and battery backup, gravitation sensor for auto screen positioning and operation memory service log with RTC
- Communication protocols: USITT DMX-512, Art-Net, MA Net, MA Net2, RDM
- Optional wireless version available: CRMX™ technology from Lumen Radio
- Electronic auto ranging power supply, 100 – 240 V AC, 50/60 Hz
- Power consumption: 200W
- Pan and Tilt movement range: 450°/300°; 16 bit resolution
- Mounting points: 2 pairs of 1/4-turn locks

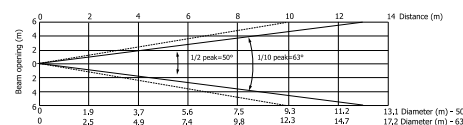


Min. zoom



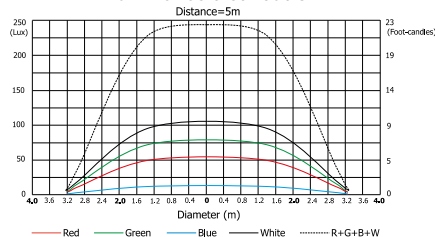
Distance (m)	2	4	5	6	8	10	12	14	
Red	2550/237	636/58	408/38	283/26	159/15	102/10	71/7	52/5	
Green	3169/294	792/74	507/47	352/33	198/18	127/12	88/8	65/6	
Blue	700/65	175/16	112/10	78/7	44/4	28/3	19/2	14/1.3	
White	4906/456	1226/114	785/73	545/51	307/29	196/18	136/13	100/9	
R+G+B+W	10688/993	2672/248	1710/159	1187/110	668/62	428/40	297/28	218/20	

Max. zoom

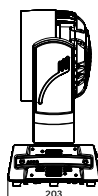
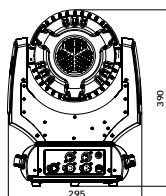
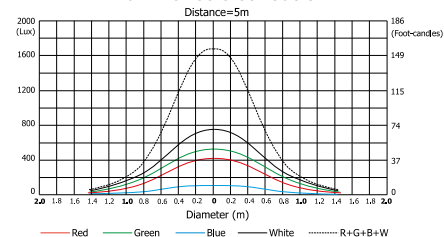


Distance (m)	2	4	5	6	8	10	12	14	
Red	325/30	81/8	52/5	36/3	20/2	13/1.2	9/0.8	7/0.6	
Green	481/45	120/11	77/7	53/5	30/3	20/2	13/1.2	10/1	
Blue	106/10	27/2.5	17/1.6	12/1	7/0.6	4/0.4	3/0.3	2/0.2	
White	670/63	169/16	108/10	75/7	43/4	27/2.5	19/1.7	14/1.3	
R+G+B+W	1333/141	383/36	245/23	170/16	96/9	61/6	43/4	31/3	

Illuminance distribution



Illuminance distribution







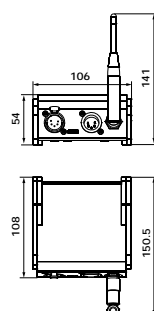
# ROBE Universal Interface WTX™

With all the new developments in the field of wireless transmissions, we are utilizing the state of art Wireless DMX/RDM CRMX technology for highly reliable bidirectional wireless connection, allowing controlling, setup and remote patching. This new technology features fixed latency, frame synchronization between receivers, full RDM and other possibilities, like cognitive coexistence, for reliable use in all timing critical environments.

Wireless DMX+RDM enhanced version of the Robe Universal Interface magnifies this powerful multi-functional toolbox. The unit communicates with a PC or Laptop via USB and besides the standard Robe Universal Interface features it provides wireless capabilities for both DMX controlling and bi-directional RDM setup, management and monitoring. Fixture software updates can now be carried out via either wired or wireless link. The wireless communication is based on robust CRMX technology which includes advanced features such as automated cognitive coexistence, DMX fidelity, low latency, strong encryption and more.

## TECHNICAL SPECIFICATION

- Windows 7, 98, ME, 2000, XP, Vista, Server 2003, Linux
- No extra PSU needed
- Galvanic isolation of 1kV between DMX Input and USB (DMX Output and USB)
- USB/DMX converter
- Provides fixture software updates
- Brings RDM communication protocol into DMX 512 control systems
- RDM-network software allows:
  - Fixture Status Monitoring
  - Fixture Personality Setting
  - AutoPatch
- Wireless DMX+RDM



Wireless 

# Fine touch features

## TRUE WHITE COLOURS

Spotless colour 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.



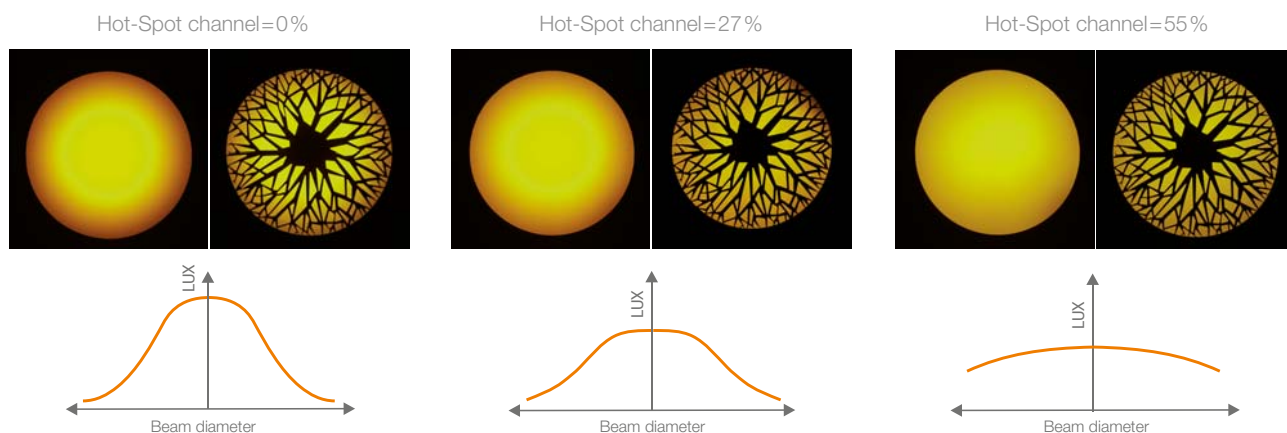
## TUNGSTEN EFFECT

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.



## HOT-SPOT CONTROL

ROBIN 300E, 600E and MMX Spots provide an extra control of intensity distribution via the Hot-Spot channel.





# PRODUCTS WITH WIRELESS **DMX/RDM CRMX** (supplied on request)



Products marked with „\*“ are supplied with wireless DMX/RDM CRMX as standard.



# ROBIN®



ROBIN® Actor 6™



ROBIN® Actor 3™



ROBIN® 800 LEDWash™ \*



ROBIN® 1000 LEDBeam™ \*



ROBIN® 100 LEDBeam™



ROBIN® 100 LEDBeam DL/SW™



ROBIN® Cydone™ \*



ROBIN® 1200 LEDWash™ \*



ROBIN® 1200 PureWhite DL/SW™ \*



ROBIN® 600 LEDWash™



ROBIN® 600 PureWhite DL/SW/WW™



ROBIN® 300 LEDWash™



ROBIN® Strobe™



ROBIN® ColorStrobe™



ROBIN® CycPix 12™ \*



ROBIN® ParFect 100™



ROBIN® ParFect S1™



ROBIN® CycFX 8



ROBIN® CycFX 4



ROBIN® CycBar 15



ROBIN® CycBar 12

Products marked with "\*" are supplied with wireless DMX/RDM CRMX as standard.





	LED						
	100 LEDBeam™	1000 LEDBeam™	Square™	300 LEDWash™	600 LEDWash™	600 LEDWash™ PureWhite	1200 LED-Wash™
Light Source	12 RGBW multichips	37 RGBW multichips	25 RGBW multichips	19 RGBW multichips	37 RGBW multichips	37 RGBW multichips	61 RGBW multichips
Source life hours (Manf. Expectancy)	60.000	60.000	60.000	60.000	60.000	60.000	60.000
Ballast type	—	—	—	—	—	—	—
Source remote on/off	✓	✓	✓	✓	✓	✓	✓
Dimming - Full range	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
Source Colour Temperature	Variable	Variable	Variable	Variable	Variable	SW = 2.800–6.300 WW = 3.000 DL = 6.300	Variable
Colour Temperture Selection / Correction	Electronic - Variable & preset	Electronic - Variable & preset	Electronic - Variable & preset	Electronic - Variable & preset	Electronic - Variable & preset	Electronic - Variable & preset	Electronic - Variable & preset
Colour Mixing	RGBW/CMY	RGBW/CMYW	RGBW/CMY	RGBW	RGBW	—	RGBW/CMY
Colour Wheel	Electronic - 237 colours	Electronic - 237 colours	Electronic - 237 colours	Electronic - 237 colours	Electronic - 237 colours	—	Electronic - 237 colours
Zoom	Fixed 7°	Variable 4°–60°	Variable 4°–60°	Variable 15°–60°	Variable 15°–60°	Variable 15°–60°	Variable 8°–63°
Remote Focus	—	—	—	—	—	—	—
Gobo Wheel 1 (26.8mm)	—	—	—	—	—	—	—
Gobo Wheel 2 (26.8mm)	—	—	—	—	—	—	—
Additional Optical features	—	—	—	—	—	—	—
Hot-Spot control	—	—	—	—	—	—	—
Iris	—	—	—	—	—	—	—
Prism - Rotating	—	—	—	—	—	—	—
Variable Frost	—	—	—	—	—	—	—
Shutter / variable speed Strobe	✓	✓	✓	✓	✓	✓	✓
Communication protocols	DMX512	DMX, Art-Net, MA Net/MA Net2	DMX, Art-Net, MA Net/MA Net2	DMX, Art-Net, MA Net/MA Net2	DMX, Art-Net, MA Net/MA Net2	DMX, Art-Net, MA Net/MA Net2	DMX, Art-Net, MA Net/MA Net2
DMX channels (Mode 1,2,3...)	35/19/14/9/35/37	37/21/15/10/37	26/98/143	37/21/15/10/37	37/21/15/10/37	DL/WW - 18/12/13/ 10/18 SW - 24/16/12/10/24	45/21/15/10/45/37
Data connections	5 pin XLR	RJ45, 3+5 pin XLR	RJ45, 3+5 pin XLR	RJ45, 3+5 pin XLR	RJ45, 3+5 pin XLR	RJ45, 3+5 pin XLR	RJ45, 3+5 pin XLR
CRMX Wireless version available	—	✓	✓	✓	✓	✓	✓
User Display Interface	4 key LCD	Touch Screen	Touch Screen	Touch Screen	Touch Screen	Touch Screen	Touch Screen
Master/Slave	✓	—	—	—	—	—	—
Stand Alone	✓	✓	✓	✓	✓	✓	✓
PSU 100-240v 50/60Hz Autoranging	✓	✓	✓	✓	✓	✓	✓
Max consumption Watts@230 V	200	650	900	200	415	415	680
Power connection	PowerCon In/Out cable - NOT included	PowerCon In/Out	PowerCon True1	Fixed cable	Fixed cable	Fixed cable	Fixed cable
Pan/Tilt range (Resolution)	Pan 450° Tilt 300°	Pan 450° Tilt 300°	Pan 360° Tilt 360°	Pan 450° Tilt 300°	Pan 450° Tilt 300°	Pan 540° Tilt 260°	Pan 450° Tilt 300°
Weight	4.5 kg	18.5 kg	35 kg	8.2 kg	10.6 kg	10.6 kg	18.0 kg
Size	314 x 233 x 149 mm	567 x 423 x 312 mm	573 x 321 x 699 mm	390 x 295 x 203 mm	445 x 343 x 203 mm	445 x 343 x 203 mm	570 x 439 x 268 mm
Key accessories	Top Hat, Diffusion filters, Power cables	—	—	Top Hat, transparent EggCrate	Top Hat, transparent EggCrate	Top Hat, transparent EggCrate	Top Hat, black EggCrate



**LED**

	<b>Cyclone™ *</b>	<b>Actor 3™ Actor 6™</b>	<b>Actor 12™</b>	<b>ParFect 100™</b>	<b>ParFect S1™</b>	<b>ParFect H1™</b>
<b>Light Source</b>	24 RGBW multichips	19 / 37 RGBW multichips	61 RGBW multichips	12 RGBW multichips	White LED device	White LED device
<b>Source life hours (Manf. Expectancy)</b>	60.000	60.000	60.000	60.000	60.000	60.000
<b>Ballast type</b>	—	—	—	—	—	—
<b>Source remote on/off</b>	✓	✓	✓	✓	✓	✓
<b>Dimming - Full range</b>	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
<b>Source Colour Temperature</b>	Variable	Variable	Variable	Variable	2.700 K or 6.000 K	2.700 K or 6.000 K
<b>Colour Tempreature Selection / Correction</b>	Electronic - Variable & preset	Electronic - Variable & preset	Electronic - Variable & preset	Electronic - Variable & preset	—	—
<b>Colour Mixing</b>	RGBW/CMY	RGBW/CMY	RGBW/CMY	RGBW/CMY	—	—
<b>Colour Wheel</b>	Electronic - 237 colours	Electronic - 237 colours	Electronic - 237 colours	Electronic - 237 colours	—	—
<b>Zoom</b>	Variable 8°–63°	Variable 8°–63°	Variable 8°–63°	Fixed 7° + diffusion filters 10°/20°/40°	—	—
<b>Remote Focus</b>	—	—	—	—	—	—
<b>Gobo Wheel 1 (26.8mm)</b>	—	—	—	—	—	—
<b>Gobo Wheel 2 (26.8mm)</b>	—	—	—	—	—	—
<b>Additional Optical features</b>	Pixel protocol	—	—	—	—	—
<b>Hot-Spot control</b>	—	—	—	—	—	—
<b>Iris</b>	—	—	—	—	—	—
<b>Prism - Rotating</b>	—	—	—	—	—	—
<b>Variable Frost</b>	—	—	—	—	—	—
<b>Shutter / variable speed Strobe</b>	✓	✓	✓	✓	✓	✓
<b>Communication protocols</b>	DMX, Art-Net, MA Net/MA Net2	DMX 512	DMX 512	DMX 512	DMX 512	DMX 512, dimming via traditional dimmer packs
<b>DMX channels (Mode 1,2,3...)</b>	32/24/96	32/16/10/5/32/37 32/16/10/5/6/37	45/21/15/10/45/37	14/9/4/30/35	1/2/3	1/2/3
<b>Data connections</b>	RJ45, 3+5 pin XLR	5 pin XLR	5 pin XLR	5 pin XLR	5 pin XLR	5 pin XLR
<b>CRMX Wireless version available</b>	✓	✓	✓	✓	✓	✓
<b>User Display Interface</b>	Touch Screen	4 key LCD	4 key LCD	4 key LCD	4 key LCD	4 key LCD
<b>Master/Slave</b>	—	✓	✓	—	—	—
<b>Stand Alone</b>	✓	✓	✓	✓	✓	✓
<b>PSU 100-240v 50/60Hz Autoranging</b>	✓	✓	✓	✓	✓	✓
<b>Max consumption Watts@230 V</b>	280	200 / 400	600	200	150	150
<b>Power connection</b>	Fixed cable	PowerCon cable	PowerCon cable	PowerCon In/Out cable - NOT included	PowerCon In/Out cable - NOT included	PowerCon In/Out cable - NOT included
<b>Pan/Tilt range (Resolution)</b>	Pan 450°, Tilt 300°	Tilt 300° (manual)	Tilt 300° (manual)	—	—	—
<b>Weight</b>	10.6 kg	6.0 kg / 8.8 kg	15.0 kg	4.0 kg	5.0 kg	5.5 kg
<b>Size</b>	440 x 569 x 269 mm	329 x 295 x 155 mm 406 x 353 x 162 mm	540 x 440 x 167 mm	450 x 240 x 172 mm	450 x 240 x 172 mm	490 x 240 x 172 mm
<b>Key accessories</b>	—	—	—	Diffusion filters, Accessory frame adaptor, Gel frame, Barndoor	Diffusion filters, Accessory frame adaptor, Gel frame, Barndoor	Diffusion filters, Accessory frame adaptor, Gel frame, Barndoor





	LED					
	CycFX 4™	CycFX 8™	CycBar 15™	CycPix 12™	Strobe™	ColorStrobe™
Light Source	4 RGBW multichips	8 RGBW multichips	15 RGBW multichips	12 RGBW multichips	120 White LEDs 6.300K	120 RGBW multichips
Source life hours (Manf. Expectancy)	60.000	60.000	60.000	60.000	60.000	40.000
Ballast type	—	—	—	—	—	—
Source remote on/off	✓	✓	✓	✓	✓	✓
Dimming - Full range	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
Source Colour Temperature	Variable	Variable	Variable	Variable	Variable	Variable
Colour Tempreature Selection / Correction	Electronic - Variable & preset	Electronic - Variable & preset	Electronic - Variable & preset	Electronic - Variable & preset	Electronic - Variable & preset	Electronic - Variable & preset
Colour Mixing	RGBW/CMY	RGBW/CMYW	RGBW/CMYW	RGBW/CMYW	—	—
Colour Wheel	Electronic - 237 colours	Electronic - 237 colours	Electronic - 237 colours	Electronic - 237 colours	—	—
Zoom	Variable 8° – 67°	Variable 8° – 67°	Fixed angle 7,4 ° / 21,2 ° / 34,6 °	Variable 8° – 66°	Fixed angle 32°	Fixed angle 32°
Remote Focus	—	—	—	—	—	—
Gobo Wheel 1 (26.8mm)	—	—	—	—	—	—
Gobo Wheel 2 (26.8mm)	—	—	—	—	—	—
Additional Optical features	Pixel Control	Pixel Control	Pixel Control	Pixel Control	Zone Control	Zone Control
Hot-Spot control	—	—	—	—	—	—
Iris	—	—	—	—	—	—
Prism - Rotating	—	—	—	—	—	—
Variable Frost	—	—	—	—	—	—
Shutter / variable speed Strobe	✓	✓	✓	✓	✓	✓
Communication protocols	DMX 512	DMX 512	DMX 512	DMX 512	DMX, Art-Net, MA Net/MA Net2	DMX, Art-Net, MA Net/MA Net2
DMX channels (Mode 1,2,3...)	14/21/33/37	14/21/45/53	16/11/61/76	18/12/54/66	4/4/7/17	4/4/7/17
Data connections	3+5 pin XLR	3+5 pin XLR	5 pin XLR	5 pin XLR	RJ45, 3+5 pin XLR	RJ45, 3+5 pin XLR
CRMX Wireless version available	✓	✓	✓	✓	✓	✓
User Display Interface	4 key LCD	4 key LCD	4 key LCD	4 key LCD	Touch Screen	Touch Screen
Master/Slave	—	—	—	—	—	—
Stand Alone	✓	✓	✓	✓	✓	✓
PSU 100-240v 50/60Hz Autoranging	✓	✓	✓	✓	✓	✓
Max consumption Watts@230 V	80	190	220	200	660	1.300
Power connection	PowerCon In/Out cable	PowerCon In/Out cable	PowerCon In/Out cable	PowerCon In/Out cable	PowerCon True1	PowerCon True1
Pan/Tilt range (Resolution)	Tilt 270°	Tilt 270°	Tilt 200°	Pan 450°, Tilt 140°	Pan 450°, Tilt 300°	Pan 450°, Tilt 300°
Weight	6.8 kg	12.0 kg	9.5 kg	12.2 kg	10.0 kg	10.0 kg
Size	228 x 180 x 500 mm	228 x 180 x 999 mm	182 x 140 x 997 mm	520 x 342 x 212 mm	450 x 290 x 210 mm	450 x 290 x 210 mm
Key accessories	—	—	—	Floor stand	Mounting plate (top, bottom)	Mounting plate (top, bottom)



	LED				DISCHARGE	
	DL7S Profile™	DL4X Spot™	DL4F Wash™	DL4S Profile™	300E Spot™	600E Spot™
Light Source	7 colours LED module	RGBW module	RGBW module	RGBW LED module	Philips MSD Gold 300/2 MiniFastFit	Philips MSR Gold 575/2 MiniFastFit
Source life hours (Manf. Expectancy)	> 20.000	> 20.000	> 20.000	> 20.000	2.000	750
Ballast type	—	—	—	—	Electronic	Electronic
Source remote on/off	✓	✓	✓	✓	✓	✓
Dimming - Full range	Electronic	Electronic	Electronic	Electronic	Mechanical	Mechanical
Source Colour Temperature	Variable	Variable	Variable	Variable	8.800 K	7.500 K
Colour Temperture Selection / Correction	Electronic - Variable & preset	Electronic - Variable & preset	Electronic - Variable & preset	Electronic - Variable & preset	Mechanical - Variable	Mechanical - Variable
Colour Mixing	7 colours/CMY	RGBW/CMY	RGBW/CMY	RGBW/CMY	CMY	CMY
Colour Wheel	Electronic - 237 colours	Electronic - 237 colours	Electronic - 237 colours	Electronic - 237 colours	7 + open	7 + open
Zoom	Variable 8°–45°	Variable 10°–45°	Variable 5.5°–60°	Variable 10°–45°	Variable 10°–40°	Variable 10°–45°
Remote Focus	✓	✓	—	✓	✓	✓
Gobo Wheel 1 (26.8mm)	6 Rotating + open	7 Rotating + open	—	7 Rotating + open	7 Rotating + open	7 Rotating + open
Gobo Wheel 2 (26.8mm)	8 Static + open	9 Static + open	—	—	9 Static + open	9 Static + open
Additional Optical features	Aluminium animation wheel	—	Internal barn doors	Glass animation wheel	—	—
Hot-Spot control	—	—	—	—	✓	✓
Iris	✓	✓	—	✓	✓	✓
Prism - Rotating	5 facet	3 facet	—	3 facet	3 facet	3 facet
Variable Frost	✓	✓	✓	✓	✓	✓
Shutter / variable speed Strobe	✓	✓	✓	✓	✓	✓
Communication protocols	DMX, Art-Net, MA Net/MA Net2	DMX, Art-Net, MA Net/MA Net2	DMX, Art-Net, MA Net/MA Net2	DMX, Art-Net, MA Net/MA Net2	DMX, Art-Net, MA Net/MA Net2	DMX, Art-Net, MA Net/MA Net2
DMX channels (Mode 1,2,3...)	56/48	35/24/22	29/23/21	34/29/26	32/25/23	32/25/23
Data connections	RJ45, 3+5 pin XLR	RJ45, 3+5 pin XLR	RJ45, 3+5 pin XLR	RJ45, 3+5 pin XLR	RJ45, 3+5 pin XLR	RJ45, 3+5 pin XLR
CRMX Wireless version available	✓	✓	✓	✓	✓	✓
User Display Interface	Touch Screen	Touch Screen	Touch Screen	Touch Screen	Touch Screen	Touch Screen
Master/Slave	—	—	—	—	—	—
Stand Alone	✓	✓	✓	✓	✓	✓
PSU 100-240v 50/60Hz Autoranging	✓	✓	✓	✓	✓	✓
Max consumption Watts@230 V	1000	520	520	520	420	770
Power connection	PowerCon cable	PowerCon cable	PowerCon cable	PowerCon cable	Fixed cable	Fixed cable
Pan/Tilt range (Resolution)	Pan 540°, Tilt 270°	Pan 540°, Tilt 280°	Pan 540°, Tilt 260°	Pan 540°, Tilt 270°	Pan 540°, Tilt 280°	Pan 540°, Tilt 280°
Weight	36.0 kg	21.4 kg	21.5 kg	22.7 kg	20.0 kg	21.7 kg
Size	796 x 321 x 472 mm	678 x 432 x 480 mm	681 x 432 x 483 mm	678 x 388 x 480 mm	516 x 433 x 470 mm	516 x 433 x 470 mm
Key accessories	—	—	—	—	—	—



**DISCHARGE**

**LED**

**BMFL Spot™**

**BMFL Blade™**

**Pointe®**

**miniPointe®**

**MiniMe®**

**VIVA®**

Light Source	Osram Lock-it! HTI 1700/PS	Osram Lock-it! HTI 1700/PS	Osram Sirius HRI 280 W	Osram Sirius HRI 140 W RO	RGB LED device	White LED device
Source life hours (Manf. Expectancy)	750 @ 1700W/1500W/1200W	750 @ 1700W/1500W/1200W	2.000	6.000	20.000	> 20.000 / 3 years
Ballast type	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
Source remote on/off	✓	✓	✓	✓	✓	✓
Dimming - Full range	✓	✓	✓	✓	✓	✓
Source Colour Temperature	6.000 K	6.000 K	7.800 K	9.200 K	Variable	8.000 K
Colour Temperture Selection / Correction	Mechanical - Variable	Mechanical - Variable	—	—	Electronic - Variable & preset	—
Colour Mixing	CMY+CTO	CMY+CTO	—	—	✓	—
Colour Wheel	2x 6 + open	2x 6 + open	13 + open	13 + open	16.7 milion colours	2x 6 + open
Zoom	Variable 5° – 55°	Variable 5° – 55°	2.5° – 10° beam application 5° – 20° spot application	3°	Fixed 16° horizontally Fixed 10° vertically	Variable 8° – 40°
Remote Focus	✓	✓	✓	✓	✓	✓
Gobo Wheel 1 (26.8mm)	6 Rotating + open	6 Rotating + open	9 Rotating + open	13 Static + open	256 Electronic Gobos	7 Rotating + open
Gobo Wheel 2 (26.8mm)	6 Rotating	8 Static + open	14 Static + open	—	—	9 Static + open
Additional Optical features	Dual Graphics Wheel	Animation Wheel, Framing Shutters	Beam + spot	—	—	—
Hot-Spot control	—	—	✓	✓	—	—
Iris	✓	✓	—	—	—	✓
Prism - Rotating	6 facet circular 6 facet linear	6 facet circular 6 facet linear	8 facet circular 6 facet linear	DFE™	—	3 facet circular
Variable Frost	✓	✓	✓	✓	—	✓
Shutter / variable speed Strobe	✓	✓	✓	✓	✓	✓
Communication protocols	DMX-512, Art-Net, MA Net/MA Net2	DMX-512, Art-Net, MA Net/MA Net2	DMX-512, RDM, Art-Net, MA Net/MA Net2	USITT DMX-512, RDM	DMX-512, RDM Art-Net	USITT DMX 512, RDM, Art-Net, MA Net, MA Net2
DMX channels (Mode 1,2,3...)	41/33	49/42/41	45/39/37	20/15/25	22	28/22
Data connections	3+5 pin XLR	3+5 pin XLR	RJ45, 3+5 pin XLR	5-pin XLR	RJ45, 5 pin XLR	3+5 pin XLR
CRMX Wireless version available	✓	✓	✓	—	✓	✓
User Display Interface	Touch Screen	Touch Screen	Touch Screen	4 key LCD	4 key LCD	Touch Screen
Master/Slave	—	—	—	—	—	—
Stand Alone	✓	✓	✓	✓	✓	✓
PSU 100-240v 50/60Hz Autoranging	200 – 240 V, 50/60 Hz	200 – 240 V, 50/60 Hz	✓	✓	✓	✓
Max consumption Watts@230 V	2000	2000	470	260	220	430
Power connection	PowerCon cable	PowerCon cable	PowerCon cable	PowerCon In/Out	PowerCon In/Out cable - NOT included	PowerCon cable
Pan/Tilt range (Resolution)	Pan 540°, Tilt 270°	Pan 540°, Tilt 270°	Pan 540°, Tilt 270°	Pan 540°, Tilt 270°	Pan 540°, Tilt 270°	Pan 540°, Tilt 270°
Weight	35.8 kg	37.9 kg	15.0 kg	13.0 kg	6.0 kg	15.0 kg
Size	812 x 483 x 335 mm	812 x 483 x 335 mm	575 x 364 x 250 mm	480 x 308 x 204 mm	345 x 249 x 191 mm	420 x 280 x 220 mm
Key accessories	—	—	—	Wireless DMX module, Line Cords PowerCon In, Line Cords PowerCon In/out	Lens wide-angle 1:1.5	—





**DISCHARGE**

	<b>MMX Spot™</b>	<b>MMX WashBeam™</b>	<b>MMX Blade™</b>
<b>Light Source</b>	Philips MSR Gold Platinum 35	Philips MSR Gold Platinum 35	Philips MSR Gold Platinum 35
<b>Source life hours (Manf. Expectancy)</b>	1.000	1.000	1.000
<b>Ballast type</b>	Electronic	Electronic	Electronic
<b>Source remote on/off</b>	✓	✓	✓
<b>Dimming - Full range</b>	Mechanical	✓	✓
<b>Source Colour Temperature</b>	7.800 K	7.800 K	6.000 K
<b>Colour Temperature Selection / Correction</b>	Mechanical - Variable	Mechanical - Variable	Mechanical - Variable
<b>Colour Mixing</b>	CMY	CMY	CMY
<b>Colour Wheel</b>	6 + open	6 + open	6 + open
<b>Zoom</b>	Variable 8.5° – 46.5°	3° – 65° Beam application 4° – 54° Wash application	Variable 8.5° – 45.5°
<b>Remote Focus</b>	✓	✓	✓
<b>Gobo Wheel 1 (26.8mm)</b>	7 Rotating + open	7 Rotating + open	7 Rotating + open
<b>Gobo Wheel 2 (26.8mm)</b>	7 Static + open	—	—
<b>Additional Optical features</b>	Dual Graphics Wheel	Internal barn doors	Framing shutters, animation wheel
<b>Hot-Spot control</b>	✓	✓	✓
<b>Iris</b>	✓	—	✓
<b>Prism - Rotating</b>	5 facet	—	✓
<b>Variable Frost</b>	—	—	✓
<b>Shutter / variable speed Strobe</b>	✓	✓	✓
<b>Communication protocols</b>	DMX, Art-Net, MA Net/MA Net2	DMX-512, RDM, Art-Net, MA Net/MA Net2	DMX-512, RDM, Art-Net, MA Net/MA Net2
<b>DMX channels (Mode 1,2,3...)</b>	38/31/29	34/29/26	45/39/37
<b>Data connections</b>	RJ 45, 3+5 pin XLR	RJ 45, 3+5 pin XLR	RJ 45, 3+5 pin XLR
<b>CRM Wireless version available</b>	✓	✓	✓
<b>User Display Interface</b>	Touch Screen	Touch Screen	Touch Screen
<b>Master/Slave</b>	—	—	—
<b>Stand Alone</b>	✓	✓	✓
<b>PSU 100-240v 50/60Hz Autoranging</b>	✓	✓	✓
<b>Max consumption Watts@230 V</b>	1020	1020	1020
<b>Power connection</b>	PowerCon cable	PowerCon cable	PowerCon cable
<b>Pan/Tilt range (Resolution)</b>	Pan 540°, Tilt 270°	Pan 540°, Tilt 270°	Pan 540°, Tilt 270°
<b>Weight</b>	25.5 kg	25.7 kg	27.0 kg
<b>Size</b>	722 x 446 x 268 mm	695 x 446 x 268 mm	722 x 446 x 268 mm
<b>Key accessories</b>	—	—	—

# BMFL™

## GAME CHANGER



BRIGHT MULTI FUNCTIONAL LIGHT



**ROBE®**  
www.robe.cz



# ROBIN CATALOGUE

VOLUME 14  
2016



**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 | United Kingdom | Tel.: 01604 741000 | E-mail: [info@robeuk.com](mailto:info@robeuk.com) | **France:** ROBE Lighting France SAS | ZI Paris Nord 2 | Bâtiment Euler | 33, rue des Vanesses | 93420 Villepinte | Tel.: +33 1 48 63 84 81 | Fax: +33 1 48 63 84 87 | E-mail: [info@robelighting.fr](mailto:info@robelighting.fr) | **America:** ROBE Lighting Inc. | 12349 SW 53<sup>rd</sup> Street, Suite 202 | Cooper City | Florida | USA | Tel.: +1 954 680 1901 | E-mail: [info@robelighting.com](mailto:info@robelighting.com) | **Asia and Pacific:** Robe Lighting Asia Pacific Pte. Ltd. | 12 New Industrial Road | #02-05 Morningstar Centre | S-536202 | Singapore | Tel: +65 6280 8558 | E-mail: [sales@robeap.com](mailto:sales@robeap.com) | **Middle East:** Robe Middle East trading LLC | Office Nbr 507 5th floor | Al Asmawi Building DIP 1 | Dubai | UAE | Po Box: 391 898 | Tel.: +971 4 885 3223 | 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 1198 ap 303 | 1100 Montevideo | Uruguay | Tel.: +5989 2900 67 47 | E-mail: [info@robecsa.com](mailto:info@robecsa.com)

March 2016 © ROBE lighting s. r. o. All specifications subject to change without notice. Patents pending.

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