

ROBE INNOVATIVE TECHNOLOGY



CATALOGUE 2009



ROBE[®]

ROBE INNOVATIVE TECHNOLOGY



ROBIN[®]

Robe has been producing high quality, reliable lighting fixtures for many years.

During that time, we've developed an active feedback strategy with our clients and end-users that has fuelled our research & development, our designs and our manufacturing techniques.

We strive for constant improvement, and are also looking much further ahead than the current requirements of shows, theatrical and TV productions, club dance floors, etc.

We are seeking new technologies, approaches and solutions. Innovation is driving us forward, and as a result of this ROBE Innovation Technology, we are proud to share with you some of the newest and most unique products from the laboratories of our R&D department.

We have named these products **ROBIN**
Robe Innovative Technology.



ROBIN[®] 300E Spot



ROBIN[®] 300E Wash



ROBIN[®] 300E Beam



ROBIN[®] 300 Plasma Spot



ROBIN[®] 300 Plasma Wash

BRINGING YOU TOMORROW'S TECHNOLOGY TODAY!



New Lamps

The new Robin products make best use of the features offered by both the **new Lifi Plasma lamp** and the **new Philips MSD Gold 300/2 MiniFastFit lamp**. Fantastic results in the colour rendering output are achieved by plasma lamp technology, whilst the punchy output of the Philips lamp is multiplied by a unique (Hot-or-not-spot) reflector solution for remote hot-spot control (patent pending).



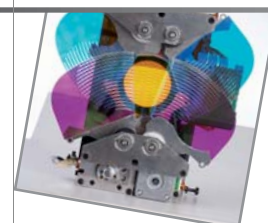
32-bit ARM Processors

With increasing demands for speed – for both mechanical parts and communication protocols – Robe has replaced the old PIC chip architecture with fast, modern 32-bit ARM processors with a vastly increased memory.



3-phase Stepper Motors

All Robin products use 3-phase stepper motors, which enable extremely fast and accurate pan and tilt movements.



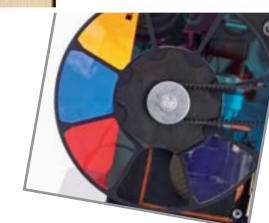
New CMY/CTO Colour Mixing System

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 pre-setting 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).



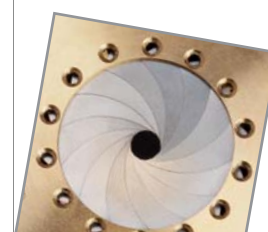
Self-switchable Power Supply

Automatic self-switchable power supply units are a now 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!).



Perfect colour distribution across the entire beam

The Plasma light fixture comes with a homogenization system, which provides perfect colour distribution across the entire beam and an evenly distributed optical dimming system (patent pending).



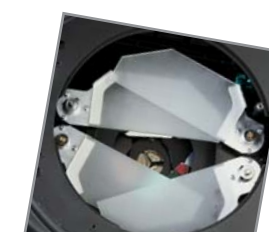
The Fastest Iris

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 Spot fixtures provide a large 10°–40° zoom range. Consisting of a newly designed lens slide system, which provides controllable and repeatable friction and damping of the lens movement (patent pending).



Special Zoom System

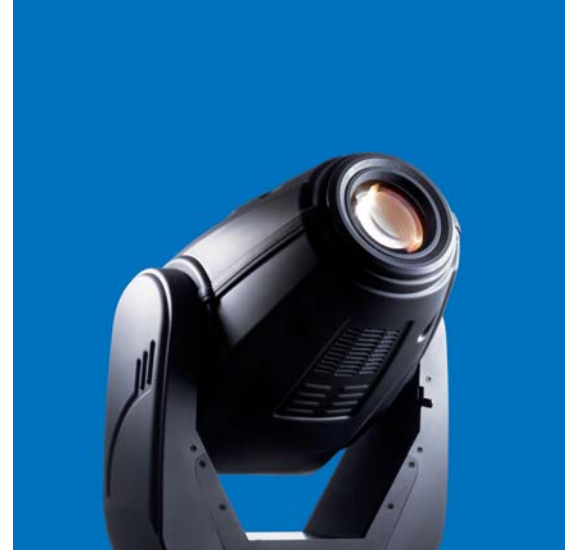
The Robin 300 Wash fixture consists of a large 4°–40° zoom range, delivered by a special zoom system, which gives maximum light output at any angle in the zoom range (patent pending).



ROBIN® 300E Spot

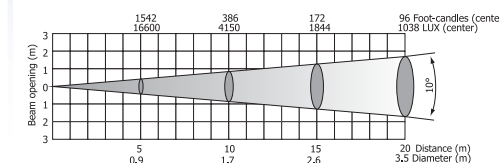
Onboard is a package of specially designed modular features including a large 10° – 40° zoom, CMY+CTO, static and rotating gobo wheels, colour wheel, frost, iris and many more.

ROBIN® 300E Spot light is a neat, punchy profile fixture with superior functions such as a large linear zoom and dynamic hot-spot control, ideal for a wide range of applications. A full package of rotating and static gobos plus full CMY+CTO and colour wheels give a standard base for any show. Advanced features like variable frost, linear iris, rotating prism and speedy mechanical shutters provide subtle and detailed fine-tuning.

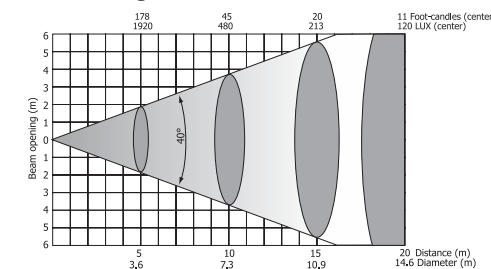


Lamp: MSD Gold 300/2 MiniFastFit

Beam angle 10° - min. zoom

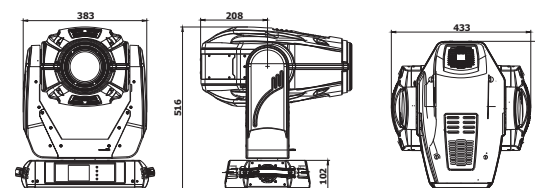


Beam angle 40° - max. zoom



Technical Specification

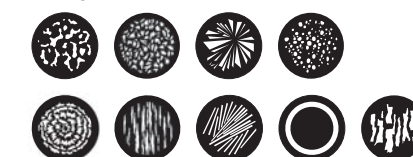
- **NEW** Philips MSD Gold 300/2 MiniFastFit lamp, CCT 8.400K, Luminous flux 22.000 Lm, CRI>75, 2.000hrs lamp life
- RNS2 - Innovated Robe Navigation System with LCD touch screen and battery backup, gravitation sensor for auto screen positioning and operation memory service log with RTC (patent pending)
- Linear motorized zoom 10°- 40° (patent pending)
- CMY+CTO dichroic colour flag system – for smooth and fast colour mixing (patent pending)
- Colour wheel with 7+1 user replaceable magnetic "SLOT&LOCK" trapezoid shaped positions (patent pending)
- Rotating gobo wheel with 7+1 user replaceable magnetic "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 3Hz (patent pending)
- Variable frost effect
- Remote beam flatness/hotspot control (patent pending)
- Mechanical shutter/dimmer
- Electronic ballast with dimming and strobing possibilities
- Electronic auto ranging power supply 100-240 V AC, 50/60Hz
- Pan and tilt movement in 16/8 bit resolution 540°/280° with locking mechanism
- Communication protocols USITT DMX-512, ArtNet, MA Net, MA Net2, RDM



Rotating gobo wheel



Static gobo wheel



Robe's brand new
ROBIN® 300E Spot light
is a compact, hugely
powerful and fully
energy conscious fixture.





ROBIN® 300E Wash

A flexible, lightweight, silent unit with an extremely wide zoom of 4° – 40°. The compact dimensions make it easy to conceal whilst providing an efficient wash effect from the gentlest of pastels to the richest of saturated colours.

The enhanced CMY+CTO system mixes real colour correction quickly and accurately. The 7+1 colour wheel with its easily replaceable magnetic positions can spin rainbow effects at both high and low speeds.

The new innovative remote hot-spot control combined with an extremely fast iris delivers maximum lumen output at any beam angle from 5°-45° - an amazing feature that has never been seen before.

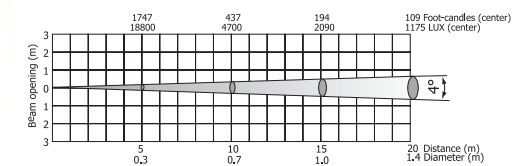
Technical Specification

- NEW Philips MSD Gold 300/2 MiniFastFit lamp, CCT 8.400K, Luminous flux 22.000 Lm, CRI>75, 2.000hrs lamp life
- Linear motorized zoom 4°- 40° (patent pending)
- 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)
- CMY+CTO dichroic colour flag system for fast and smooth colour mixing (patent pending)
- 7+1 user replaceable magnetic "SLOT&LOCK" trapezoid shaped positions on the colour wheel (patent pending)
- Mechanical dimmer/shutter, Strobe effect 1-10Hz
- Electronic ballast with dimming and el. strobing possibilities
- Dichroic glass reflector with dynamic hot-spot control (patent pending)
- Electronic auto ranging power supply, 100-240 V AC, 50/60Hz
- Pan and Tilt movement in 16/8 bit resolution 540°/280° with locking mechanism
- Communication protocols USITT DMX-512, ArtNet, MA Net, MA Net2, RDM

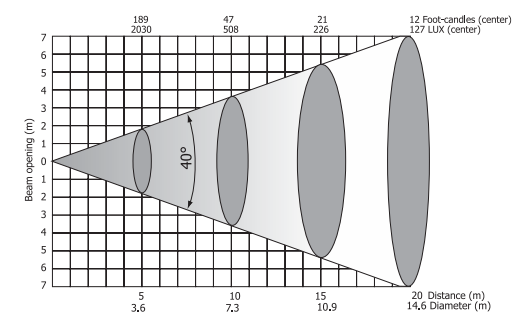


Lamp: MSD Gold 300/2 MiniFastFit

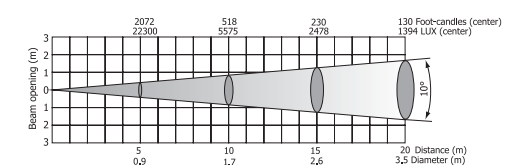
Beam angle 4° - min. zoom



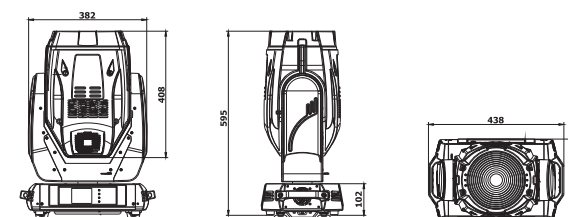
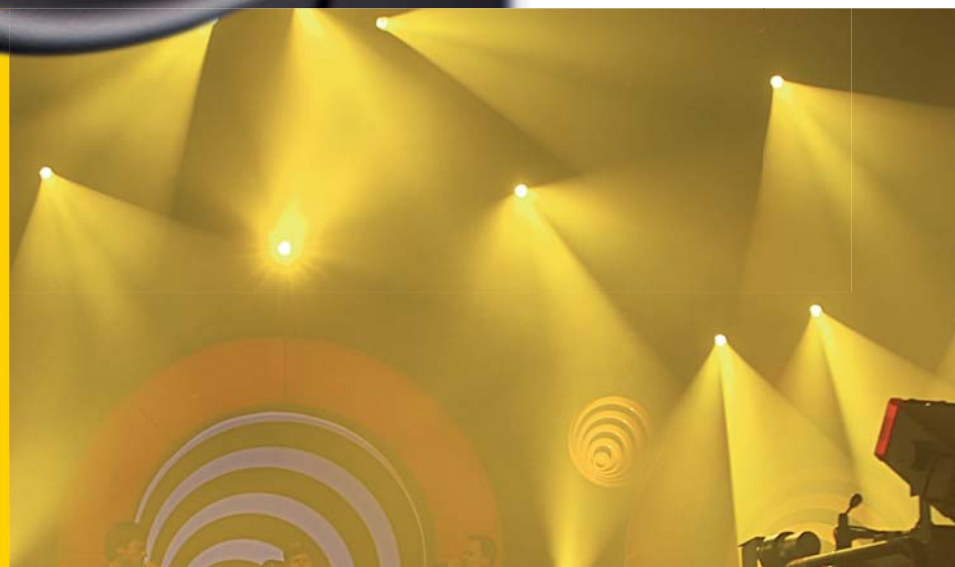
Beam angle 40° - max. zoom



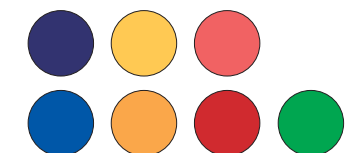
Beam angle 10° - max. light output



The ROBIN® 300E Wash will be loved by anyone needing a wide and even wash of colours over a large area provided by a quiet and unobtrusive fixture.



Colour wheel





ROBIN® 300E Beam

The ROBIN® 300E Beam uses a Philips MSD Gold 300/2 MiniFastFit lamp and has a beam angle of 1.6 - 6.5 degrees, complete with dichroic glass reflector for maximising the light output.

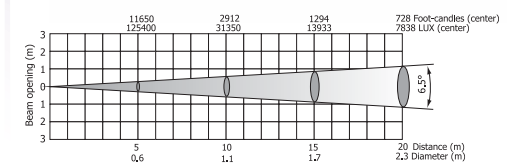
As with all Robe fixtures, there is a host of creative features. In addition to full colour mixing, there is a colour wheel with 7 replaceable „SLOT&LOCK“ dichroic filters, plus static and rotating gobo wheels. The ROBIN® 300E Beam has a variable frost effect for the smooth transition from a beam light to a regular wash light. Full dimming, a variable strobe effect and a pan-and-tilt of 540/260 degrees are also onboard.

The Robin 300E Beam is robustly engineered to Robe's exacting specifications and reliability standards.



Lamp: MSD Gold 300/2 MiniFastFit

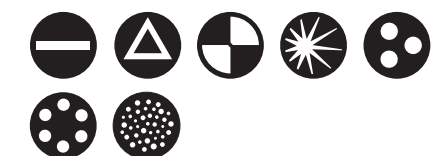
Beam angle 6,5° - max. zoom



Technical Specification

- NEW Philips MSD Gold 300/2 MiniFastFit lamp, CCT 8.400K, Luminous flux 22.000 Lm, CRI >75, 2.000 hrs lamp life
- Electronic auto ranging power supply, 100-240 V AC, 50/60Hz
- 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)
- Beam angle 1,5° - 6,5°
- Full CMY dichroic colour flag system – for smooth and fast colour mixing, predefined colour macros
- 7+1 user replaceable magnetic "SLOT&LOCK" trapezoid shaped positions on the colour wheel (patent pending)
- Rotating gobo wheel with 7+1 user replaceable magnetic "SLOT&LOCK" gobos (patent pending)
- Static gobo wheel with 5 gobos, 4 beam reducers + open position
- Motorized focus
- Variable frost effect, pulse sequences
- Mechanical dimmer/shutter, Strobe effect 1-10Hz
- Electronic ballast with dimming and el. strobing possibilities
- Pan and Tilt movement in 16/8 bit resolution 540°/260° with locking mechanism
- Communication protocols USITT DMX-512, ArtNet, MA Net, MA Net2, RDM

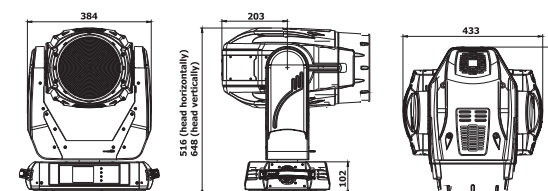
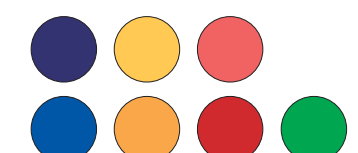
Rotating gobo wheel



Static gobo wheel



Colour wheel



Robe introduces the ROBIN® 300E Beam fixture, which is ideal for precise key lighting, highlighting and special effects.





ROBIN® 300 Plasma Spot

This is the start of the revolution! NEW Plasma light source!

The ROBIN® 300 Plasma Spot light is the first in a new generation of fixtures we have all been dreaming about! A perfect colour rendering index (CRI = 94), an extremely flat and even light beam (1 : 1) and a lifespan of 10,000 hours.

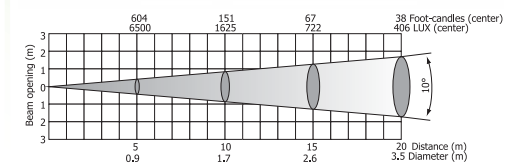
All these fantastic features exist thanks to a brand new light source - the plasma lamp, which is now being introduced to the market.

Moreover, the new plasma lamp source offers a dimming capacity from 20 - 100% and a semi-hot restrike function (of less than 120th of a second for full lamp brightness to return after shutting off).

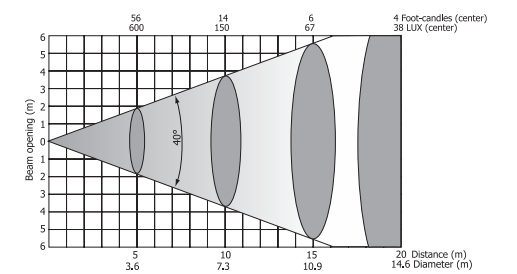


Light source: LIFI ENT 31-02

Beam angle 10° - min. zoom

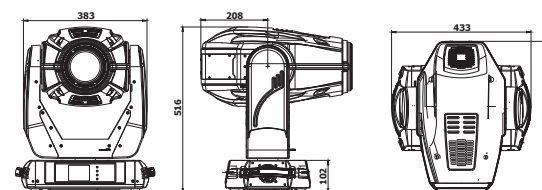


Beam angle 40° - max. zoom



Technical Specification

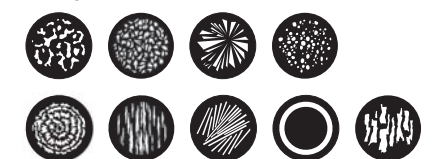
- NEW Luxim Lifi ENT 31-02 plasma lamp source, 266W, Luminous Flux 18.000 Lm, CCT 6.000K, CRI=94, lamp life 10.000 hrs
- Linear motorized zoom 10°-40° (patent pending)
- RNS2 - Innovated Robe Navigation System with LCD touch screen and battery backup, gravitation sensor for auto screen positioning and operation memory service log with RTC (patent pending)
- CMY+CTO dichroic colour flag system in combination with light homogenization system provides smooth and fast colour mixing (patent pending)
- Colour wheel with 7+1 user replaceable magnetic "SLOT&LOCK" trapezoid shaped positions (patent pending)
- Rotating gobo wheel with 7+1 user replaceable magnetic "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 3Hz (patent pending)
- Variable frost effect
- Mechanical shutter/dimmer
- Electronic dimming 20-100% and strobing possibilities
- Electronic auto ranging power supply 100-240 V AC, 50/60Hz
- Pan and tilt movement in 16/8 bit resolution 540°/280° with locking mechanism
- Communication protocols USITT DMX-512, ArtNet, MA Net, MA Net2, RDM



Rotating gobo wheel



Static gobo wheel



The amazing
ROBIN® 300 Plasma Spot
is the first in a unique
and new era
of plasma lamp based
fixtures from Robe.





ROBIN® 300 Plasma Wash

Robe's plasma lightsource revolution continues with this latest addition to the generation of ROBIN® fixtures harnessing the power and sustainability of the LIFI ENT 31-02 plasma source.

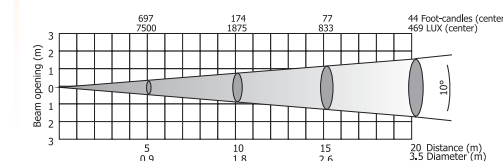
The ROBIN® 300 Plasma Wash has a perfect colour rendering index of 94, a CCT of 6000K and an amazing 10,000 hours average lamp life. The zoom is an impressive 10 - 35 degrees, and onboard effects include smooth, fast colour mixing, CMY and CTO dichroic colour flag system, plus a colour wheel with 7 replaceable SLOT&LOCK trapezoid shaped dichroics and open position.

It's robustly engineered to Robe's exacting standards, and applications will include tours, special events and fixed installations of all types.

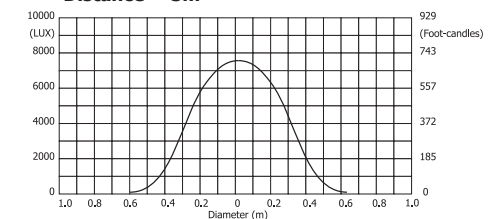


Light source: LIFI ENT 31-02

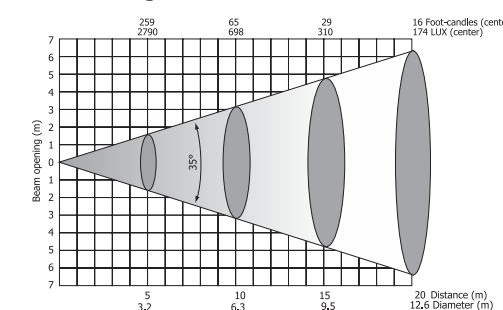
Beam angle 10° - min. zoom



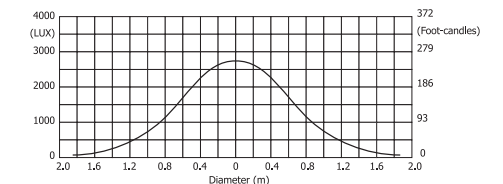
Distance = 5m



Beam angle 35° - max. zoom

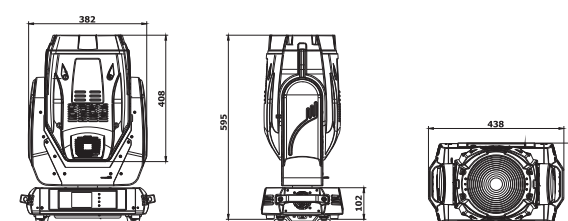


Distance = 5m

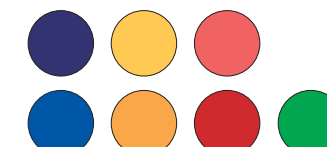


Technical Specification

- **NEW** Luxim Lifi ENT 31-02 plasma lamp source, 266W, Luminous Flux 18.000 Lm, CCT 6.000K, CRI = 94, lamp life 10.000 hrs
- Electronic auto ranging power supply, 100-240 V AC, 50/60Hz
- 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)
- Motorized zoom 10° - 35°
- CMY + CTO dichroic colour flag system – for smooth and fast colour mixing (patent pending), predefined colour macros
- 7+1 user replaceable magnetic "SLOT&LOCK" trapezoid shaped positions on the colour wheel (patent pending)
- Mechanical dimmer/shutter, Strobe effect 1-10Hz
- Pan and Tilt movement in 16/8 bit resolution 540°/260° with locking mechanism
- Communication protocols USITT DMX-512, ArtNet, MA Net, MA Net2, RDM



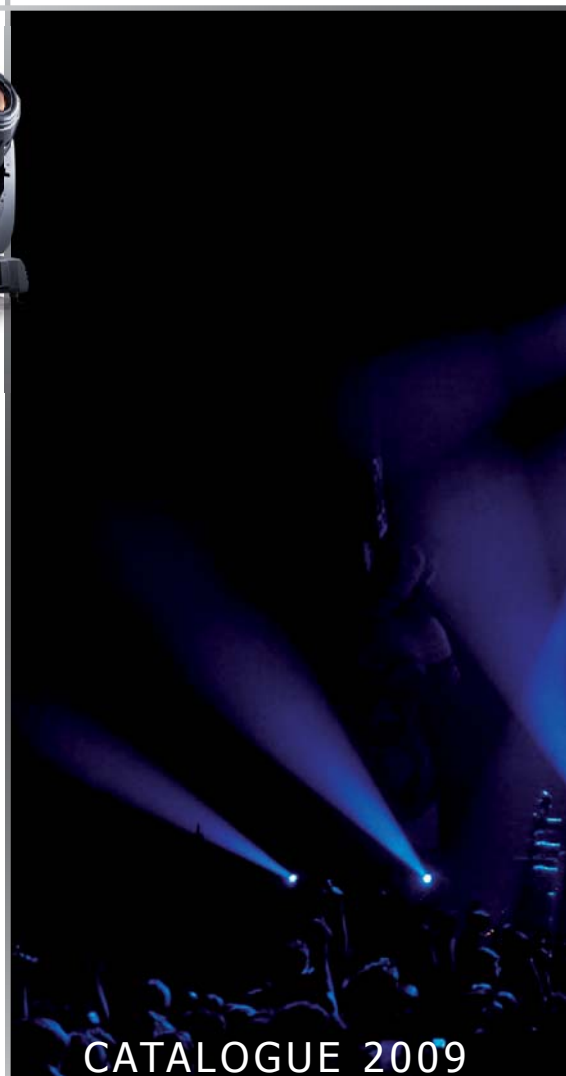
Colour wheel



The ROBIN®
300 Plasma Wash
is the ideal creative
partner for Robe's
ROBIN® 300 Plasma Spot.



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CATALOGUE 2009

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