

NEWS *2009*

vol. 1

REDMix 2•188 Outdoor™



ROBIN® 3 Plasma Spot



ROBIN® 300E Wash



Innovative
Concept

ROBE®



Robe Innovative Concept

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 Concept, 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 Concept.



ROBIN® 300E Spot



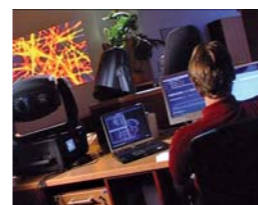
ROBIN® 300E Wash



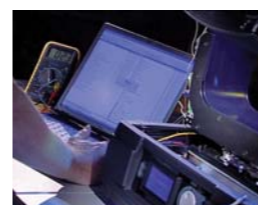
ROBIN® 3 Plasma Spot



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).

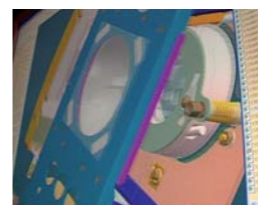


Patented intuitive smart presetting and control via a touch screen control panel with battery back-up for fixture set-up without power helps to make the Robin fixtures very cool and easy to control (simply fabulous to touch!). The newly designed self-diagnostics feature gives the lighting operators and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



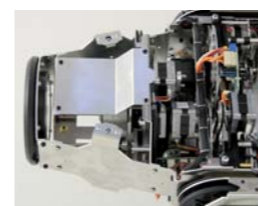
Automatic **self-switchable power supply** units are a now must for worldwide touring shows. They ensure that the correct voltage is always supplied to the lamp without the need for any region-specific adjustments (an appealing feature to any tech!).

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.



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.

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



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).

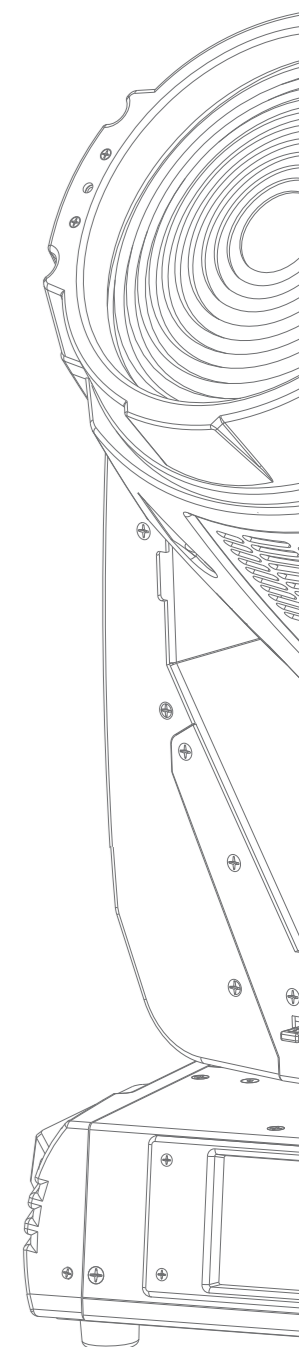
The Robin Spot fixtures provide a large **10° - 40° zoom range**. Consisting of a **newly designed lens slide system**, which provides controllable and repeatable friction and damping of the lens movement (patent pending).

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).

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

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 Robin 300 Wash fixture consists of a **large 5°-45° zoom range**, delivered by a special zoom system, which gives maximum light output at any angle in the zoom range (patent pending).



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

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 in-tuning.



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 (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



 **ROBIN®**
Innovative Concept

*The amazing Robin 3 Plasma Spot Light
is the first in a unique and new era
of plasma lamp based fixtures from Robe.*

ROBIN® 3 Plasma Spot

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

Robin 3 Plasma Spot light is the first in a new generation of fixtures we have all been dreaming about! Extreme light output (18.000 Lm), 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 capability from 20 - 100% and a semi-hot restrike function (less than 120 sec. for full lamp brightness after shutting off).

With an exceptional optical efficiency of 54% and lamp luminous flux of 22.000 Lm, the fixture has an amazing output of 10.000 Lm - never achieved before from just 266W light source.

Technical Specification

- NEW Luxim Lifi ENT 31-02 plasma lamp source, 266W, Luminous Flux 18.000 Lm, CCT 6.000K (5.400K), CRI=94
- Linear motorized zoom 10°-40° (patent pending)
- RNS2 – Innovated Robe Navigation System with LCD touch screen and battery backup (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

 **ROBIN®**
Innovative Concept



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.

ROBIN® 300E Wash

A flexible, lightweight, silent unit with an extremely wide zoom of 5° - 45°. The compact dimensions make it easy to conceal whilst providing an efficient wash effect in the gentlest of pastels for 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 extremely fast iris is delivers maximum lumen output at any beam angle from 5°-45° - amazing feature - never seen before.

Advanced features like variable frost, linear iris, rotating prism and fast mechanical shutters provide a myriad of additional creative options.

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 5°- 45° (patent pending)
- RNS2 - Innovated Robe Navigation System with LCD touch screen and battery backup (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



 **ROBIN®**
Innovative Concept

ColorSpot 2500E AT™

NEW 1500W LAMP

NEW 1500W LAMP

ColorWash 2500E AT™

The ColorSpot 2500E AT features a new powerful Philips MSR Gold 1500 FastFit lamp. This gives the fixture an extremely powerful light output, with a zoom range of 10° - 30°.

The mechanical dimmer/shutter system provides very smooth dimming. The ColorSpot 2500E AT was designed specially for large stages, big concert halls, outdoor applications and all professional installations where large light output sources or search-light effects are needed.



The ColorWash 2500E AT is newly equipped with a powerful Philips MSR Gold 1500 FastFit lamp, which makes it the most powerful Robe moving wash light fixture.

The ColorWash 2500E AT comes complete with CMY colour mixing system, variable CTO, 2 colour wheels and combined dimmer/shutter unit. The linear zoom has a range of 7°-44°. The ColorWash 2500E AT is an ideal tool for large live events and television shows and for all types of installations from multi-purpose venues to large clubs.



Technical Specification

- NEW Philips MSR Gold 1500 FastFit lamp, CCT 6.000K, 750hrs lamp life
- Linear zoom 10° - 30°
- Complete CMY + CTO system
- Colour wheel with 6 replaceable "SLOT+LOCK" colours + open
- Two rotating gobo wheels with 6+1 replaceable "SLOT+LOCK" gobos
- RNS - Robe Navigation System
- Full range dimming and variable strobe effects
- Motorized Iris
- Separate, variable frost effect
- Electronic ballast

Technical Specification

- NEW Philips MSR Gold 1500 FastFit lamp, CCT 6.000K, 750hrs lamp life
- Linear zoom 7° - 44°
- Complete CMY + CTO system
- 2 Colour wheels with 6 replaceable "SLOT+LOCK" colours + open
- RNS - Robe Navigation System
- Full range dimming and variable strobe effects
- Electronic ballast

REDMix 2•188 Outdoor is a special outdoor fixture with two independent LED modules.

REDMix 2•188 Outdoor™

The Most powerful LED Outdoor fixture on the market just released!

188 High Power Luxeon K2 RGBW LEDs!

LEDs are densely populated, providing extremely bright light output and is completely silent due to the conventional cooling. The IP 65 rating means it can be used for exterior installations.

It is an ideal fixture for illuminating large buildings and indoor/outdoor stages, thanks to the high light output of the LED modules. The unique combination of RGBW LED colours delivers a stunning quality of white light, not seen in other competitive products on the market.



Technical Specification

- 188 RGBW High Power Luxeon K2 LEDs
- Minimum life time of 50.000hrs, Lumen Maintenance 70% @ 50.000hrs
- Electronic auto ranging power supply 100-240V AC, 50/60Hz
- IP 65 rated
- 8° lens-array supplied as standard, 20°, 45° and 10x20° lenses are also available
- Communication protocols USITT DMX-512 and RDM

REDWash 3•192™

REDWash 3•192 is supplied with a standard 12-degree lens configuration and 25" 'Egg Crate' lens module. Forty-five and 15x45" 'Egg Crate' lens modules are also available as optional accessories. The Egg Crate modules are extremely quick and easy to fit, allowing lenses to be swapped around for maximum flexibility (patent pending).

The fixture provides stunning saturated colour tones with extreme intensity levels, doubling the luminous flux levels of other wash lights using a 700W discharge lamp source. The REDWash 3•192's RGBW LEDs are tightly populated for optimized homogeneous colour distribution and uniform shadow behavior - averting the 'RGB shadows' or blocky pixilated look often common to other LED based lighting fixtures.

REDWash 3•192 has a linear optical layout, which is ideal for flooding large areas with intense colour tones and creating 'eye-candy' for audiences with its Pan/Tilt positions.

REDWash 3•192 can communicate via Robe's Universal Interface with a computer running Robe RDMNet Software enabling remote Menu configurations and fixture setup.



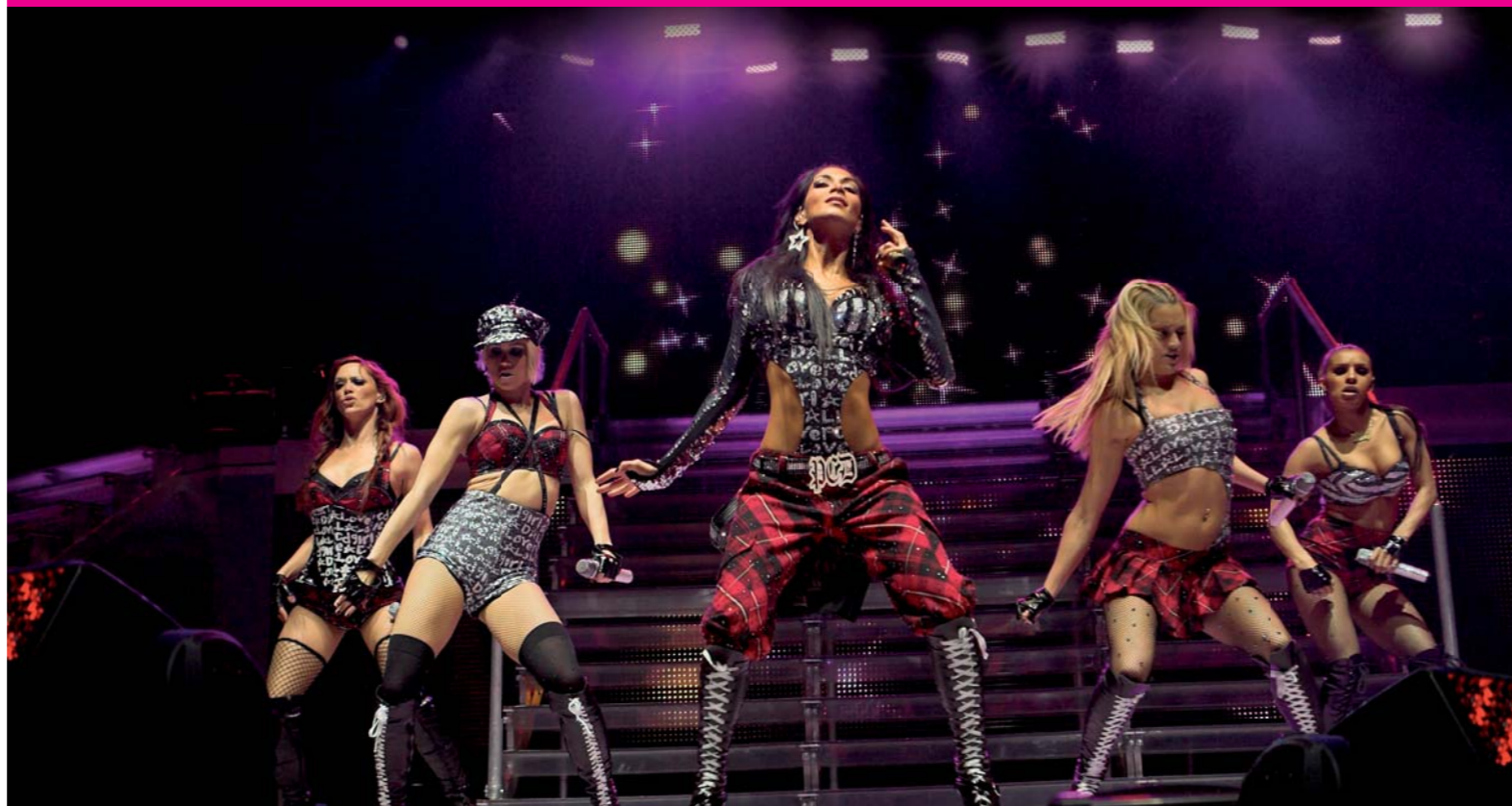
This fixture has an interesting looking rectangular field of light with manual control of beam spreads, offering a unique, fresh approach to concert touring, television and event lighting.

Robe's REDMix 3•192 is based on RED (Robe Emitted Diodes) Technology. The fixture provides a rectangular light field with manual control of beam spreads.

REDMix 3•192™

REDMix 3•192 is supplied with a standard 12° lens configuration and 25" 'Egg Crate' lens module, with 45 and 15 x 45 degree 'Egg Crate' lens modules also available. The fixture provides stunning saturated colour tones with extreme intensity levels at double the luminous flux levels of other wash lights using 700W discharge lamp sources.

Its linear optical layout is perfect for applications needing to flood areas with intense colour tones. Its 4-section LED concept produces stunning rainbow and other colour and chase effects.



Technical Specification

- 48 Red, 48 Green, 48 Blue and 48 Cold White high power Luxeon Rebel LEDs
- Smooth, silent movement
- Exceptionally even colour distribution with uniform shadow looks (i.e. no LED shadows)
- Extremely high intensity levels of saturated colours
- Rectangular light output is divided up into 4 sections for producing rainbow, colour chasing and other effects
- Spectacular strobe effects
- Manual beam spread control with 'Egg Crate' lens modules (25°, 45° and 15x45° lens modules are available)
- DMX, ArtNet and RDM Communication
- RNS - Robe Navigation System

Technical Specification

- 48 Red, 48 Green, 48 Blue and 48 Cold White high power Luxeon Rebel LEDs
- Exceptionally even colour distribution with no RGB shadows
- Extremely intense saturated colours, rectangular light output
- Rectangular light output is divided up into 4 sections for producing rainbow, colour chasing and other effects
- Spectacular strobing capabilities
- Manual beam spread control with Egg Crate Modules (25°, 45° and 15x45° lens modules are available)
- Flexible mounting bracket - can be used for hanging and as a floor stand
- DMX and RDM Communication
- 4-digit LED display



NEWS *2009*

vol. 1



ROBE[®]

www.robe.cz

HQ & Factory: ROBE lighting s. r. o. | Hážovice 2090 | 756 61 Rožnov pod Radhoštěm | Czech Republic | Tel.: +420 571 751 500 | Fax: +420 571 626 337 | E-mail: robe@robe.cz
UK: ROBE UK Ltd. | Northampton, UK | Tel.: 01604 741000 | E-mail: info@robeuk.com | America: ROBE Lighting Inc. | Sunrise, FL, USA | Tel.: + 1 954 615 9100 | E-mail: info@robelighting.com
South-East Asia: ROBE S.E.A. | Singapore | Tel.: + 65 8118 6665 | E-mail: info@robe-sea.com

April 2009 @ ROBE lighting s. r. o. All specifications subject to change without notice. Patents pending.