

 **ROBIN**<sup>®</sup>  
Innovative Technology



CATALOGUE vol. 3



ROBE INNOVATIVE  
TECHNOLOGY

**ROBE**<sup>®</sup>

# ROBE INNOVATIVE TECHNOLOGY



## **ROBIN**<sup>®</sup>

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

Robe's new ROBIN Series of moving lights combine foresight with the very latest technologies in the ongoing quest for innovation, the provision of imaginative solutions and the manufacture of reliable, high quality lighting products that has always driven the company.

Robe is - and has been for several years - committed to environmental sustainability. A major new green initiative - "THINK OF THE FUTURE - CONSIDER NATURE" underlines this continual dedication to producing genuinely cutting-edge, energy saving products.

The ROBIN (Robe Innovative Technology) brand utilizes the very latest plasma and discharge lamp technologies and LEDs, plus premium electronic components, resulting in very unique products that are properly 'power-saving' in multiple contexts.

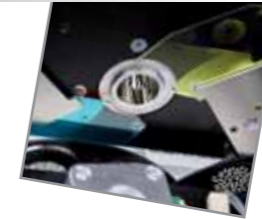
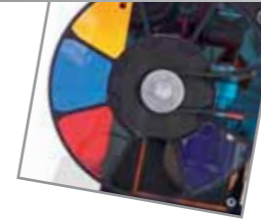
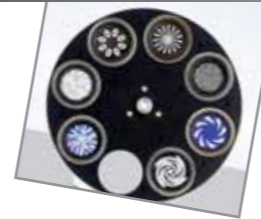
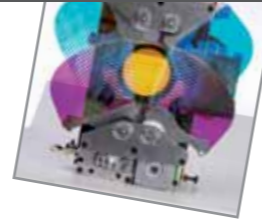
Robe also relies on a constant and fluid dialogue and engagement with its end users and specifiers. Their collective talents, visions and creative demands coupled with Robe's desire to be a proactive leader in its field continues to inspire future ideas, fuel ambitions and keep the brand moving forwards.

THINK OF THE  
CONSIDER **FUTURE  
NATURE**



**ROBE**<sup>®</sup>

# BRINGING YOU TOMORROW'S TECHNOLOGY TODAY!



## New Plasma Lamp

Fantastic results in the colour rendering output are achieved by the new Lifi Plasma lamp technology featured in the Robin Plasma products range.

## 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

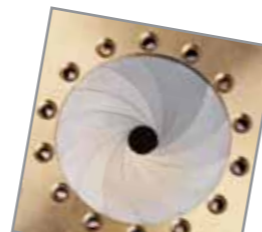
The newly designed colour wheel with magnetic "SLOT&LOCK" system (patent pending) provides 7 trapezoid colour filters + open position.

## Colour mixing

Plasma based Robin fixtures utilize new CMY system with colour mixing perfectly smooth, blending indistinguishable from one color to another.

## New Lamps

The punchy output of the new Philips MSR 575/2 MiniFastFit lamp and the Philips MSD Gold 300/2 MiniFastFit lamp is multiplied by a unique (Hot-or-not-spot) reflector solution for remote hot-spot control (patent pending).



## 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!).

## 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 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).

## Special Zoom System

The Robin 300E 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).

## 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.

## 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.

# 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 Multi-chip LED based ROBIN® 600 LED Wash, the Robin 600 series currently includes the ROBIN® 600E Spot, ROBIN® 600E Beam and ROBIN® 600E Wash, all of which use a new patented cooling system, a new optical system and offer a full range of innovative features.





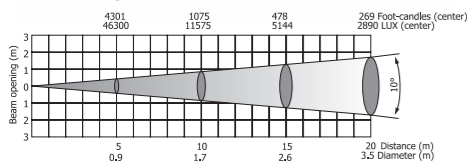
# ROBIN® 600E Spot

# ROBIN® 600E Beam

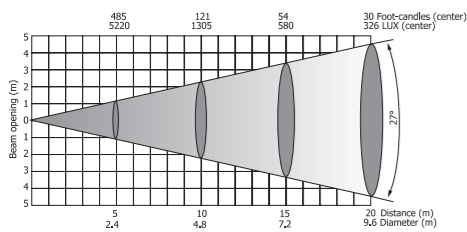


Lamp: MSR Gold 575/2 MiniFastFit

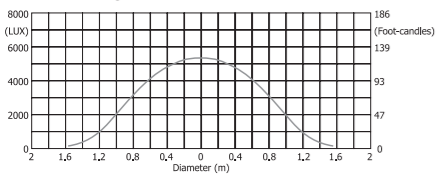
### Beam angle 10° - min. zoom



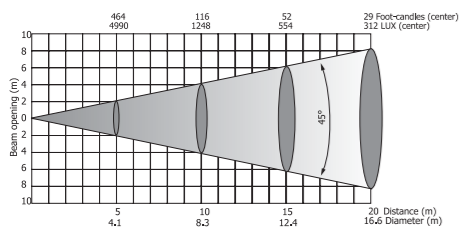
### Beam angle 10° with frost



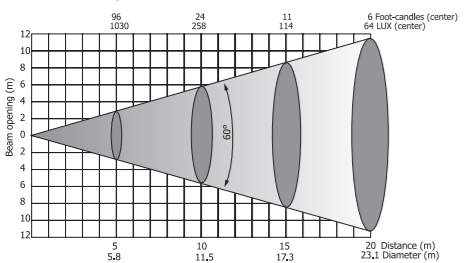
### Beam angle 10° with frost, distance = 5m



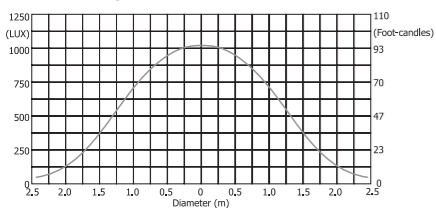
### Beam angle 45° - max. zoom



### Beam angle 45° with frost



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



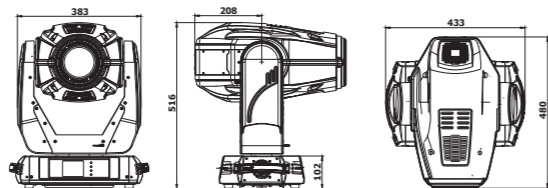
The ROBIN® 600E Spot has a dramatically increased light output (from the 300 Series) and lower power requirements - thanks to an optimized optical path made from carefully selected components.

The super strong light-output can be maximised by using Robe's unique HotSpot Control system together with the linear iris to create very powerful beam effects.

An innovative patented cooling system ensures the best lamp operating temperatures and allows DMX controlled noise reduction. Users have complete control of all features of this fixture, making it ideal for environments where noise levels are critical and light output requirements are high.

## 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, 56° - 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 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 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, ArtNet, MA Net, MA Net2, RDM
- New lamp cooling system (patent pending)



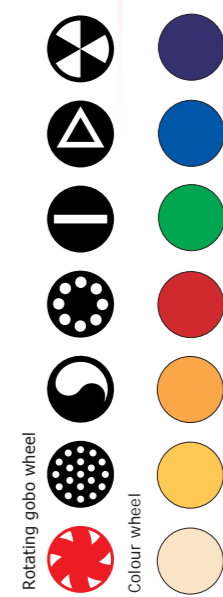
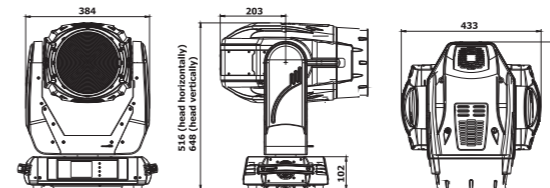
The ROBIN® 600E Beam has an amazing linear iris ranging between 1 and 6.5 degrees.

By implementing this feature over a wider range, users can have full control over the beam size. It has also enabled the provision of more gobos in the gobo wheels for customizable beam shaping. Two black-hole positions are available for a full and fast blackout in dark-sensitive environments.

The extended focusing range also allows for very precise focusing, starting with closer distances.

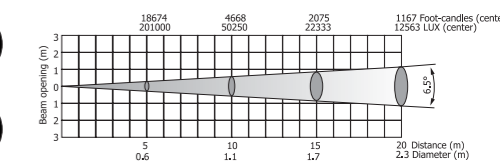
## Technical Specification

- 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
- Electronic auto ranging power supply, 100-240 V AC, 50/60 Hz
- 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°–6.5° (linear control)
- 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 7 gobos + open position
- Motorized focus
- Variable frost effect, pulse sequences
- Extremely fast motorized iris, opening and closing pulses up to 3 Hz (patent pending)
- Mechanical dimmer/shutter, Strobe effect 1–10 Hz
- 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
- New lamp cooling system (patent pending)

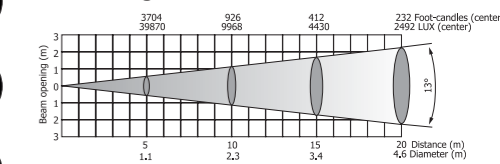


Lamp: MSR Gold 575/2 MiniFastFit

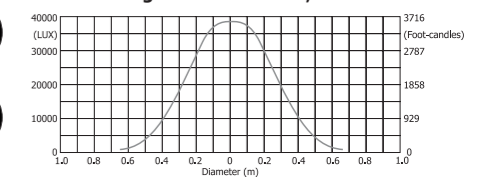
### Beam angle 6.5°



### Beam angle 6.5° with frost



### Beam angle 6.5° with frost, distance = 5m



# ROBIN® 600 LEDWash

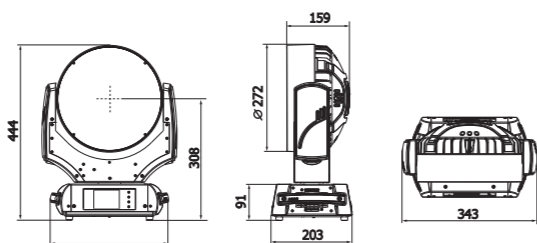


The super-slim ROBIN® LEDWash 600 features 37x10 Watt RGBW multichip LEDs with color output ranging from gentle pastels to the richest saturation.

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 15–50 degree motorized zoom, powerful fast strobing and pre-programmed pulse strobe effects.

## Technical Specification

- 37x 10W RGBW LED mutichips
- Led Life Expectancy: minimum 50.000 hours
- Typical Lumen Maintenance: 70% @ 60.000 hours
- Linear motorized zoom: 15°–60°
- RGBW colour mixing, CTO
- Built-in colour macros
- High resolution dimmer 0–100%
- Strobe effect with variable speed
- Pre-programmed random strobe pulse-effects
- DMX channels: 37/21/15/12
- 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, ArtNet, MA Net, MA Net2, RDM
- Electronic auto ranging power supply, 100–240 V AC, 50/60 Hz
- Power consumption: 340VA
- Pan and Tilt movement range: 450°/300°; 16 bit resolution
- Mounting points: 2 pairs of 1/4-turn locks



# ROBIN® 600E Wash



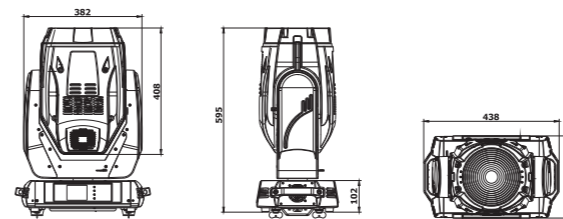
The ROBIN® 600E Wash also features a massively increased light output and lower power requirements - thanks to an optimized optical path comprising of carefully selected components.

A unique silent control system enables users to carefully adjust the desired noise levels while maintaining the best lamp operating temperatures, due to the newly patented lamp cooling system.

All "Top Hat" accessories are compatible with the new ROBIN® 600E Wash fixture.

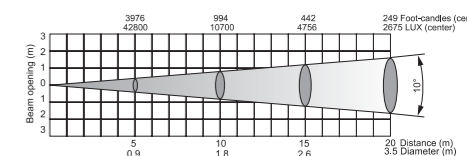
## Technical Specification

- **NEW** Philips MSR Gold 575/2 MiniFastFit lamp, CCT 7.500 K, Luminous flux 37.000 Lm, CRI>70, 750hrs lamp life, PGJX 28
- Motorized zoom 10°–35°
- 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 1–10 Hz
- Electronic ballast with dimming and el. strobing possibilities
- Dichroic glass reflector
- Electronic auto ranging power supply, 100– 240 V AC, 50/60 Hz
- 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
- New lamp cooling system (patent pending)

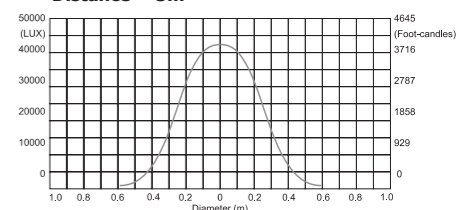


Lamp: MSR Gold 575/2 MiniFastFit

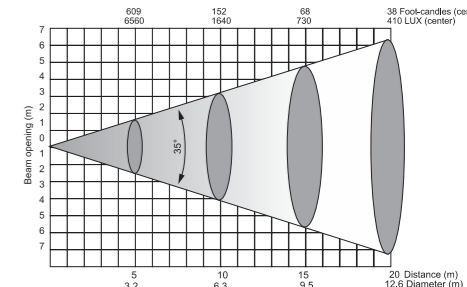
### FRESNEL LENS: Beam angle 10° - min. zoom



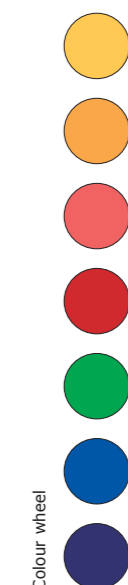
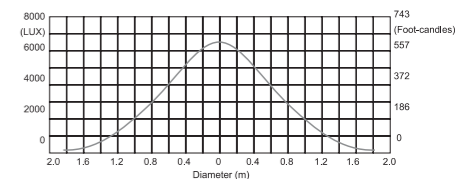
### Distance = 5m



### FRESNEL LENS: Beam angle 35° - max. zoom



### Distance = 5m



# 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 the new Plasma Lamp based products, the ROBIN® 300 Plasma Spot and ROBIN® 300 Plasma Wash, plus a few of new discharge lamp based products including the ROBIN® 300E Spot, ROBIN® 300E Wash and ROBIN® 300E Beam.





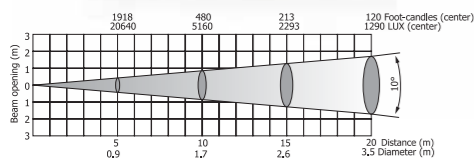
# ROBIN® 300E Spot

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.

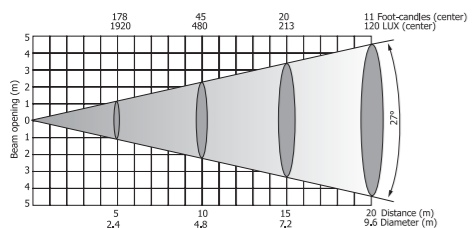
ROBIN® 300E Spot light is a neat, punchy profile fixture with superior functions such as a large linear zoom and dynamic hot-spot control, ideal for a wide range of applications. A full package of rotating and static gobos plus full CMY+CTO and colour wheels give a standard base for any show. Advanced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

Lamp: MSD Gold 300/2 MiniFastFit

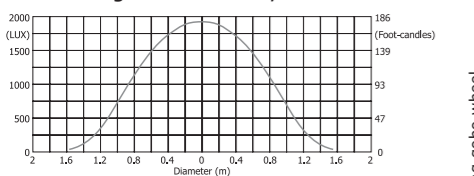
## Beam angle 10° - min. zoom



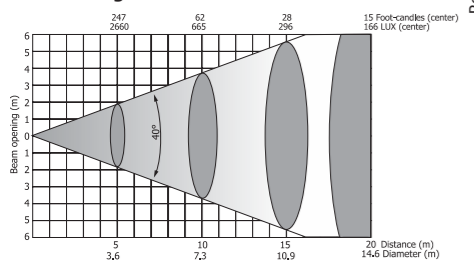
## Beam angle 10° with frost



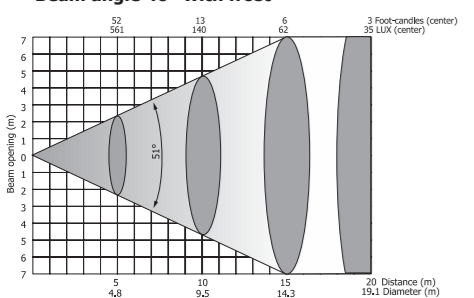
## Beam angle 10° with frost, distance = 5m



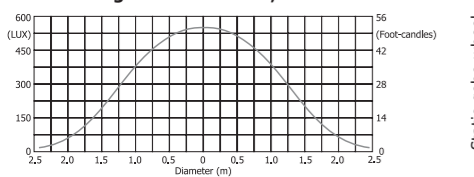
## Beam angle 40° - max. zoom



## Beam angle 40° with frost

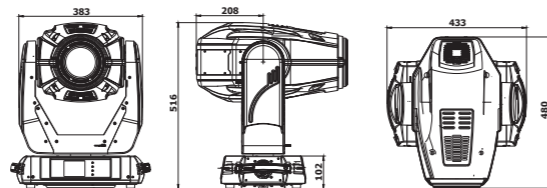


## Beam angle 40° with frost, distance = 5m



## Technical Specification

- NEW Philips MSD Gold 300/2 MiniFastFit lamp, CCT 8.800 K, 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 3 Hz (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, 50/60 Hz
- 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® 300E Beam

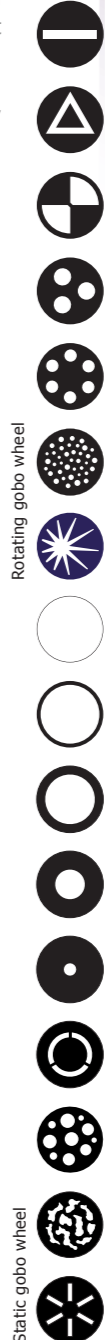
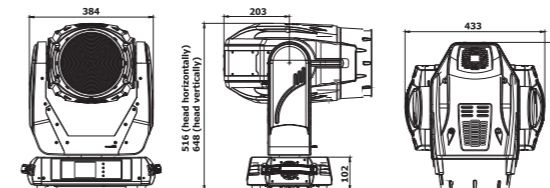
The ROBIN® 300E Beam uses a Philips MSD Gold 300/2 MiniFastFit lamp and has a beam angle of 1.5–6.5 degrees, complete with dichroic glass reflector for maximising the light output.

As with all Robe fixtures, there are hosts 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.

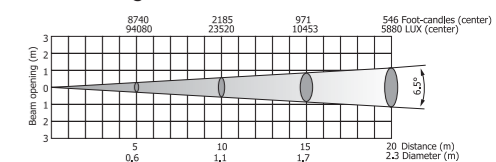
## Technical Specification

- NEW Philips MSD Gold 300/2 MiniFastFit lamp, CCT 8.800 K, Luminous flux 22.000 Lm, CRI=75, 2.000 hrs lamp life
- Electronic auto ranging power supply, 100–240 V AC, 50/60 Hz
- 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 1-10 Hz
- 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

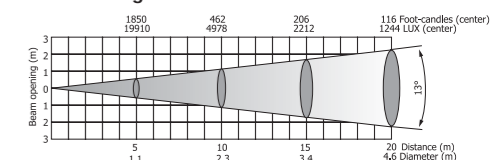


Lamp: MSD Gold 300/2 MiniFastFit

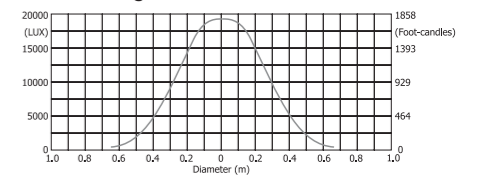
## Beam angle 6.5°



## Beam angle 6.5° with frost



## Beam angle 6.5° with frost, distance = 5m







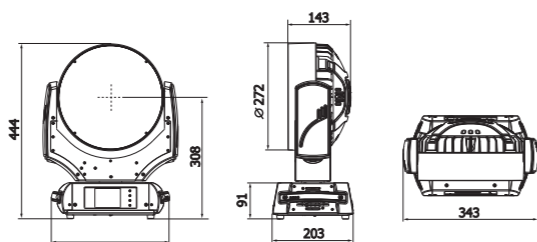
# ROBIN® LEDWash 300

Utilizing 108 single RGB 3 Watt LEDs and motorized zoom 12 and 40 degrees the ROBIN® LEDWash 300 offers great flexibility with superior homogenization of the light source ensuring completely smooth colour mixing and a 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. The self-leveling LED touch screen display with full battery backup for easy setup without power features thermal and movement sensor system that monitors the unit during transport and operation.

## Technical Specification

- 108 Luxeon Rebel RGB LEDs
- Led Life Expectancy: minimum 50.000 hours
- Typical Lumen Maintenance: 70% @ 60.000 hours
- Linear motorized zoom: 12°–40°
- RGB colour mixing, CTO
- Built-in colour macros
- High resolution dimmer 0–100%
- Strobe effect with variable speed
- Pre-programmed random strobe pulse-effects
- DMX channels: 19/14/11
- 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
- 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, ArtNet, MA Net, MA Net2, RDM
- Electronic auto ranging power supply, 100–240 V AC, 50/60 Hz
- Power consumption: 390VA
- Pan and Tilt movement range: 450°/300°; resolution: 16 bit
- Mounting points: 2 pairs of 1/4-turn locks



# ROBIN® 300E Wash

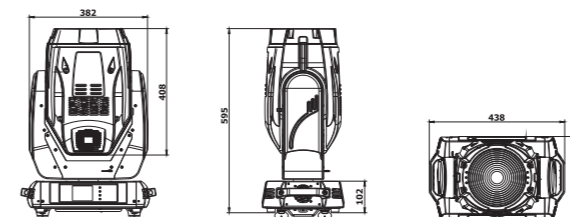
A flexible, lightweight, silent unit with an extremely wide zoom of 4° – 40°. The compact dimensions make it easy to conceal whilst providing an efficient wash effect from the gentlest of pastels to the richest of saturated colours.

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 4°–40° - an amazing feature that has never been seen before.

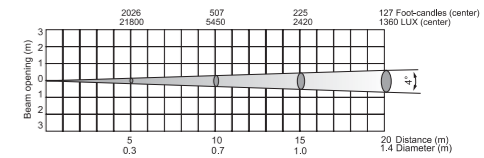
## Technical Specification

- **NEW** Philips MSD Gold 300/2 MiniFastFit lamp, CCT 8.800 K, Luminous flux 22.000 Lm, CRI=75, 2.000 hrs lamp life
- 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 1-10 Hz
- 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, 50/60 Hz
- 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

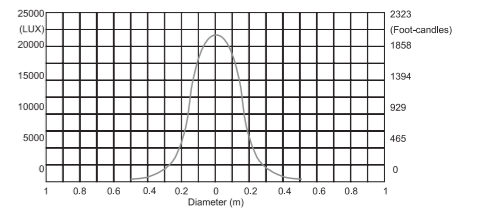


Lamp: MSD Gold 300/2 MiniFastFit

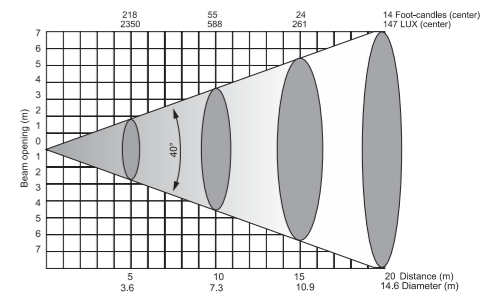
### FRESNEL LENS: Beam angle 4° - min. zoom



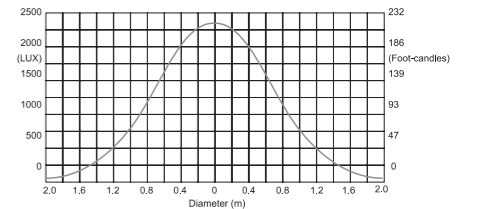
### Distance = 5m



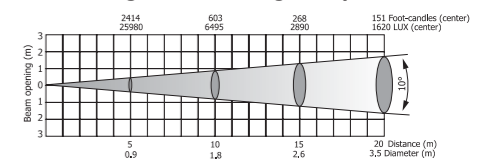
### FRESNEL LENS: Beam angle 40° - max. zoom



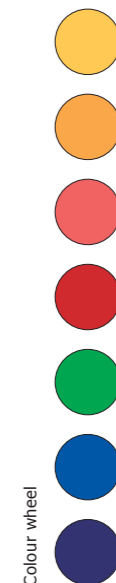
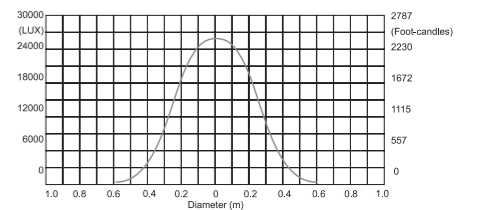
### Distance = 5m



### Beam angle 10° - max. Light Output



### Distance = 5m





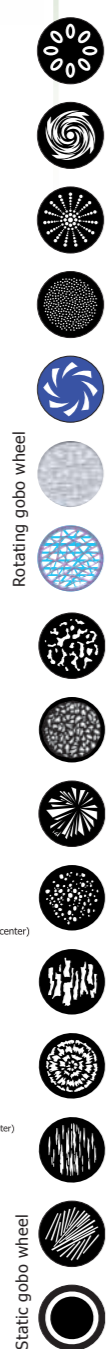
# ROBIN® 300 Plasma Spot

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 (1:1,5) and a lifespan of 10,000 hours.

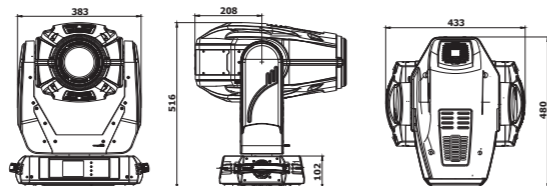
All these fantastic features exist thanks to a brand new light source - the plasma lamp, which is now being introduced to the market.

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).



## Technical Specification

- NEW Luxim Lifi ENT 31-02 plasma lamp source, 266 W, Luminous Flux 18.000 Lm, CCT 5.400 K, 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 3 Hz (patent pending)
- Variable frost effect
- Mechanical shutter/dimmer
- Electronic dimming 20–100%
- 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, ArtNet, MA Net, MA Net2, RDM



# ROBIN® 300 Plasma Wash

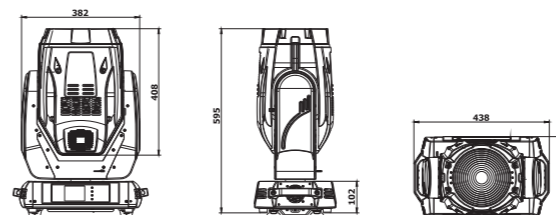
Robe's plasma lightsource revolution continues with this latest addition to the generation of ROBIN® fixtures harnessing the power and sustainability of the LIFI ENT 31-02 plasma source.

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.

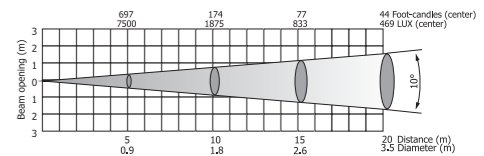
## Technical Specification

- NEW Luxim Lifi ENT 31-02 plasma lamp source, 266 W, Luminous Flux 18.000 Lm, CCT 5.400 K, CRI = 94, lamp life 10.000 hrs
- Electronic auto ranging power supply, 100-240 V AC, 50/60 Hz
- 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 1-10 Hz
- 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

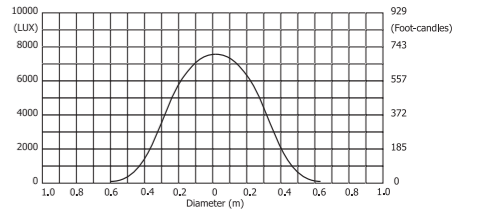


Light source: LIFI ENT 31-02

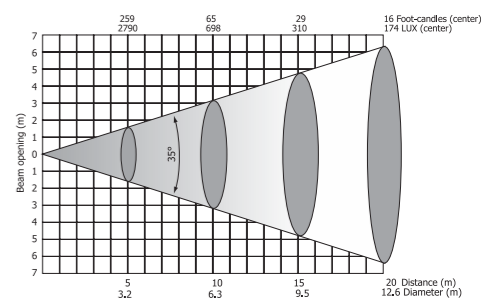
Beam angle 10° - min. zoom



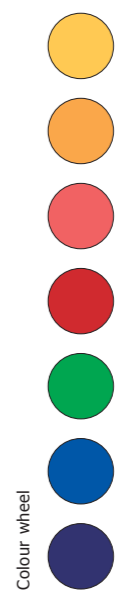
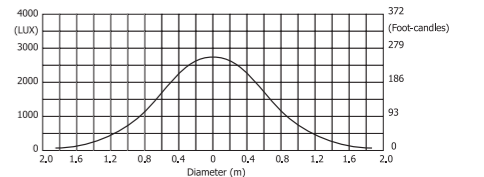
Distance = 5m



Beam angle 35° - max. zoom



Distance = 5m



# ROBIN® 300 Series classic



The Robin 300 Series Classic is another new range, incorporating the basic and most popular features of the existing Robin 300 Series, including linear zoom, rotating gobo wheel and colour wheel etc.

The Robin 300 Series Classic includes the ROBIN® 300 Spot Classic, ROBIN® 300 Beam Classic and ROBIN® 300 Wash Classic.





# ROBIN® 300 Spot Classic

This fixture has a host of specially designed modular features including a 12°–36° zoom, colour wheel, rotating gobo wheel, colour/gobo wheel, rotating prism and many more.

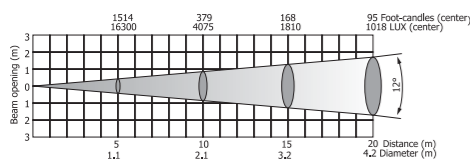
The ROBIN® 300 Spot Classic is a punchy profile fixture with features such as linear zoom, a full package of rotating gobos, colour - gobo wheel including 4 colours and 5 static gobos and standard colour wheel. Up to 24 colour mixes can be achieved with a combination of the colour wheel and colour/gobo wheel.

## Technical Specification

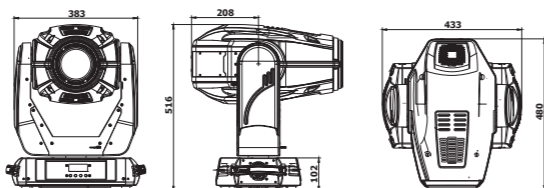
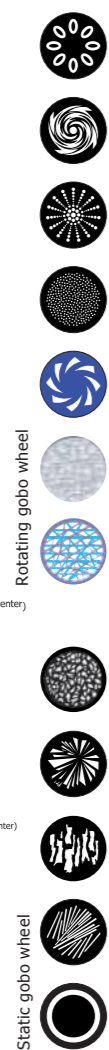
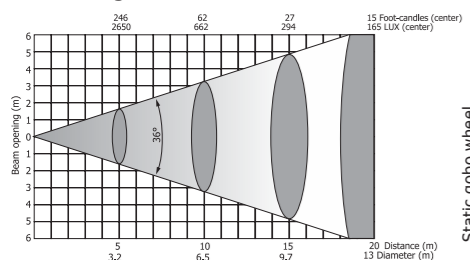
- **NEW** Philips MSD Gold 300/2 MiniFastFit lamp, CCT 8.400 K, Luminous flux 22.000 Lm, CRI=75, 2.000 hrs lamp life, PGJX 28
- 4-digit LED display & 4 control buttons for fixture setting and addressing
- Linear motorized zoom 12°–36°
- Colour wheel with 7+1 user replaceable magnetic "SLOT&LOCK" trapezoid shaped positions (patent pending)
- Rotating gobo wheel with 7+1 user replaceable magnetic "SLOT&LOCK" gobos (patent pending)
- Colour-gobo wheel with 5 user replaceable "SLOT&LOCK" gobos + 4 colour positions+ open
- 3-facet 10° rotating indexable prism
- Mechanical shutter/dimmer
- Variable strobe effects
- Pan and tilt movement in 16/8 bit resolution 540°/280° with locking mechanism
- One user editable program up to 50 steps
- Master/slave operation
- Input voltage 208/230/240V AC, 50/60 Hz, magnetic ballast
- Communication protocols: USITT DMX-512, RDM

Lamp: MSD Gold 300/2 MiniFastFit

Beam angle 12° - min. zoom



Beam angle 36° - max. zoom



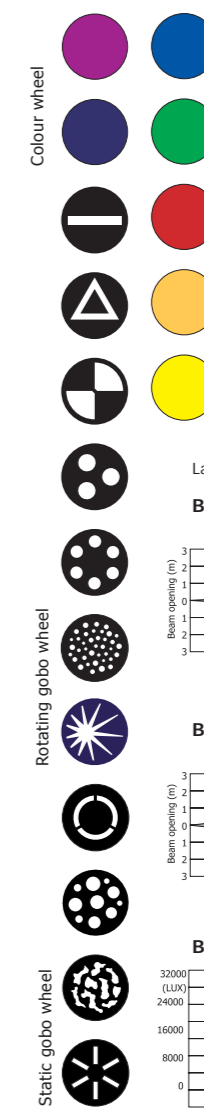
# ROBIN® 300 Beam Classic

The ROBIN® 300 Beam Classic uses a Philips MSD Gold 300/2 Mini FastFit lamp and has a beam angle of 1.5–1.6 degrees, complete with dichroic glass reflector for maximising the light output.

The ROBIN® 300 Beam Classic has a colour wheel with 7 replaceable 'Slot&Lock' dichroic filters, plus both static and rotating gobo wheels. A variable frost effect ensures a smooth transition from a beam light to a regular wash light, and there is also full dimming, variable strobe effect and pan/tilt of 540/260 degrees.

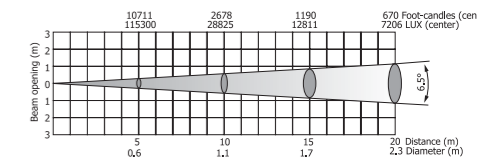
## Technical Specification

- Philips MSD Gold 300/2 MiniFastFit lamp, CCT 8.400 K, Luminous flux 22.000 Lm, CRI=75, 2.000 hrs lamp life, PGJX 28
- 4-digit LED display & 4 control buttons for fixture setting and addressing
- Beam angle 1,5°–6,5°
- 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 4 gobos + 4 beam reducers + open position
- Motorized focus
- Variable frost effect, pulse sequences
- Mechanical dimmer/shutter, Strobe effect 1-10 Hz
- Pan and Tilt movement in 16/8 bit resolution 540°/260° with locking mechanism
- One user editable programs up to 50 steps
- Master/slave operation
- Input voltage 208/230/240V AC, 50/60 Hz, magnetic ballast
- Communication protocols: USITT DMX-512, RDM

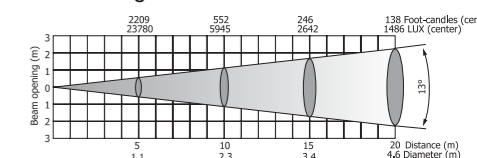


Lamp: MSD Gold 300/2 MiniFastFit

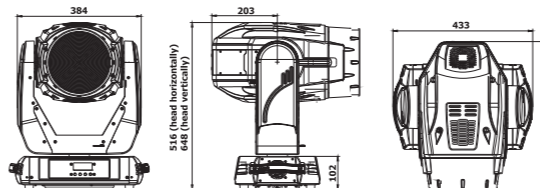
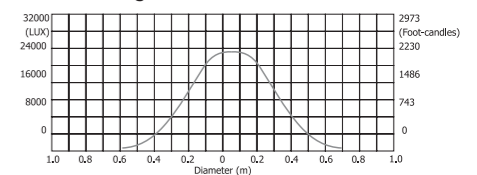
Beam angle 6.5°



Beam angle 6.5° with frost



Beam angle 6.5° with frost, distance = 5m



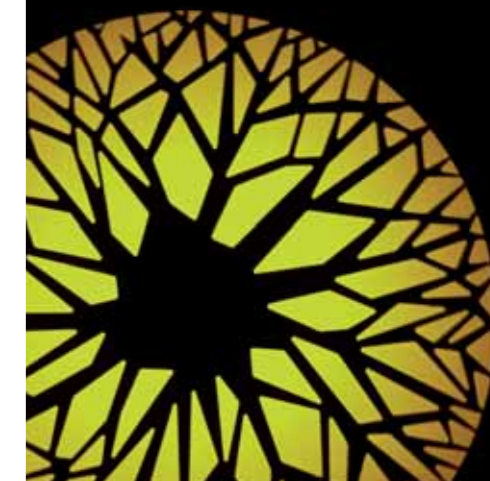
# ROBIN® 300 Wash Classic



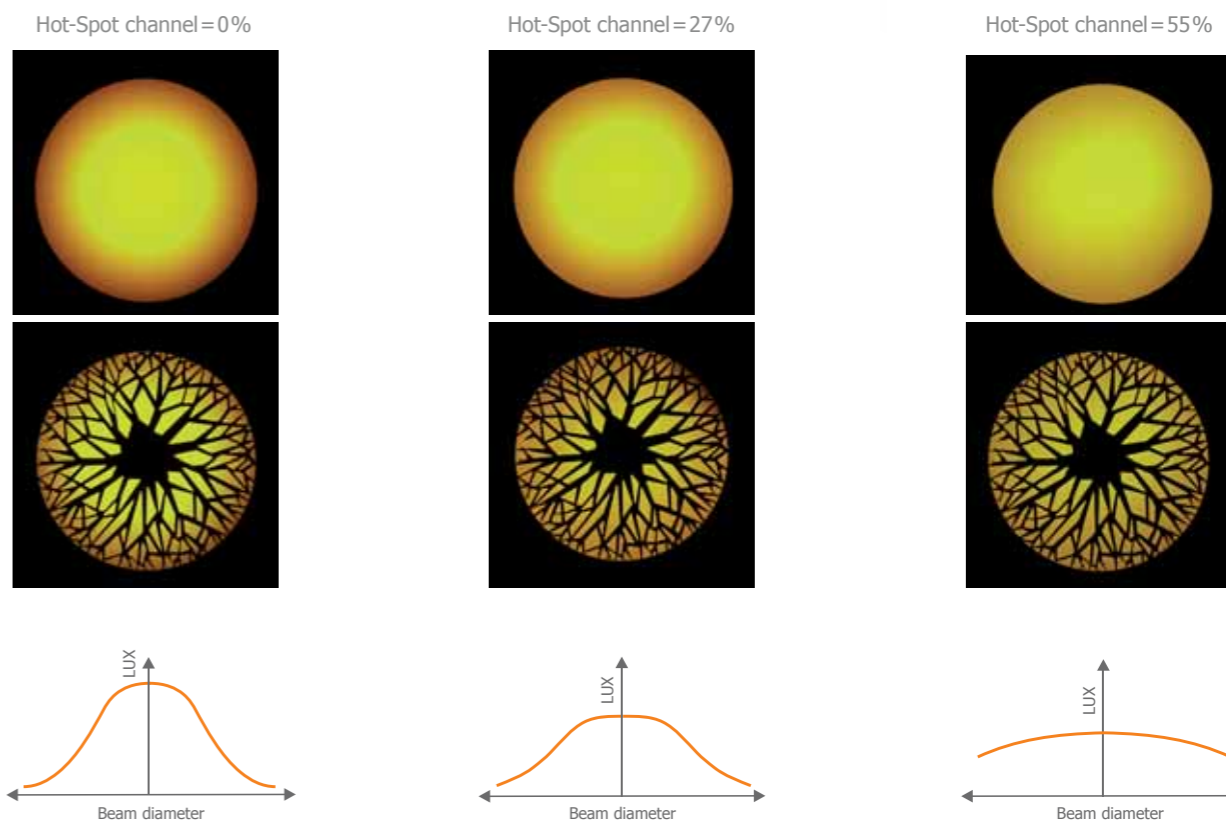
A flexible, lightweight, silent fixture with a zoom range of 10 – 35°. The compact dimensions of the ROBIN® 300 Wash Classic make it easy to conceal, whilst providing an extremely efficient light output and a stunning colour range from the gentlest of pastels to the richest of saturates.

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

# Hot-Spot Control



ROBIN 300E Spot and 600E Spot Light intensity distribution via the Hot-Spot channel

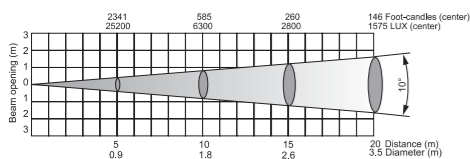


## Technical Specification

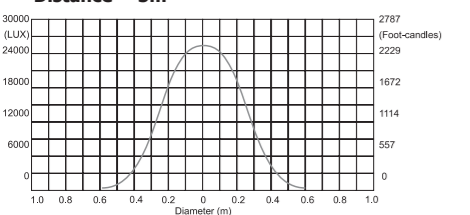
- Philips MSD Gold 300/2 MiniFastFit lamp, CCT 8.400 K, Luminous flux 22.000 Lm, CRI=75, 2.000 hrs lamp life, PGJX 28
- 4-digit LED display & 4 control buttons for fixture setting and addressing
- Motorized zoom 10°–35°
- CMY dichroic colour flag system for fast and smooth colour mixing
- 7+1 user replaceable magnetic "SLOT&LOCK" trapezoid shaped positions on the colour wheel (patent pending)
- Mechanical dimmer/shutter
- Variable strobe effects
- Pan and Tilt movement in 16/8 bit resolution 540°/260° with locking mechanism
- One user editable programs up to 50 steps
- Master/slave operation
- Input voltage 208/230/240 V AC, 50/60 Hz, magnetic ballast
- Communication protocols: USITT DMX-512, RDM

Lamp: MSD Gold 300/2 MiniFastFit

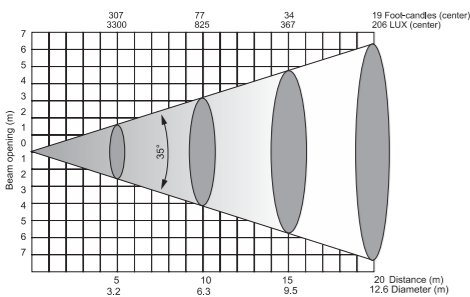
**FRESNEL LENS: Beam angle 10° - min. zoom**



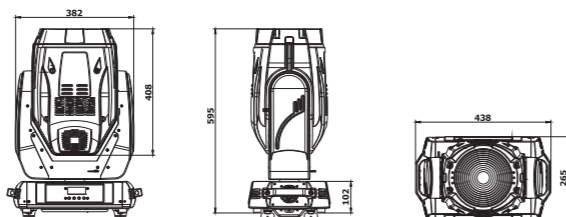
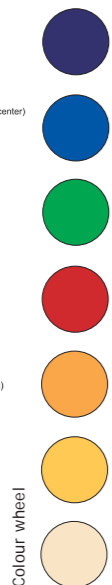
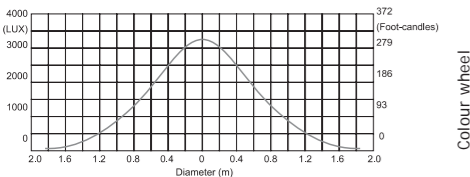
Distance = 5m



**FRESNEL LENS: Beam angle 35° - max. zoom**



Distance = 5m





# ROBIN® Scoreboard



ROBIN®	600E Spot	600E Beam	600 LEDWash	600E Wash	300E Spot	300E Beam	300 LEDWash	300E Wash	300 Plasma Spot	300 Plasma Wash
Lamp source	Philips MSR Gold 575/2 MiniFastFit	Philips MSR gold 575/2 MiniFastFit	37 Cree® XLamp® MC-E RGBW LED multichips	Philips MSR Gold 575/2 MiniFastFit	Philips MSD gold 300/2 MiniFastFit	Philips MSD Gold 300/2 MiniFastFit	108 Luxeon Rebel RGB LEDs	Philips MSD Gold 300/2 MiniFastFit	Luxim Lifi ENT 31-02 Plasma lamp source	Luxim Lifi ENT 31-02 Plasma lamp source
Lamp Base	PGjX28	PGjX28	—	PGjX28	PGjX28	PGjX28	—	PGjX28	—	—
Lamp Life	750 h	750 h	60.000 h	750 h	2.000 h	2.000 h	60.000 h	2.000 h	10.000 h	10.000 h
Colour Temperature	7500K	7500K	2700–20000K	7500K	8800K	8800K	—	8800K	5400K	5400K
Lamp remote On/Off	•	•	•	•	•	•	•	•	•	•
Ballast	electronic	electronic	electronic power supply	electronic	electronic	electronic	electronic power supply	electronic	electronic power supply	electronic power supply
Beam Angle	10–45°	1–6.5°	15–50°	10–35°	10–40°	1.5–6.5°	12–40°	4–40°	10–40°	10–35°
Zoom	linear	—	linear	linear	linear	—	linear	linear	linear	linear
Colour Mixing	CMY + CTO	CMY	LED RGBW mixing	CMY + CTO	CMY + CTO	CMY	LED RGB mixing	CMY + CTO	CMY + CTO	CMY + CTO
1. Colour wheel	7 + open	7 + open	—	7 + open	7 + open	7 + open	—	7 + open	7 + open	7 + open
1. Gobo wheel	7 rotating + open	7 rotating + open	—	—	7 rotating + open	7 rotating + open	—	—	7 rotating + open	—
2. Gobo wheel	9 static + open	7 static + open	—	—	9 static + open	4 static + 4 beam red.	—	—	9 static + open	—
Gobo Size	26.8 mm	26.8 mm	—	—	26.8 mm	26.8 mm	—	—	26.8 mm	—
Hot-Spot Control	•	—	—	—	•	—	—	•	—	—
Prism	3-Facet Rotating	—	—	—	3-Facet Rotating	—	—	—	3-Facet Rotating	—
Frost	Variable	Variable	—	—	Variable	Variable	—	—	Variable	—
Iris	Yes, max 3 Hz fast	Yes, max 3 Hz fast	—	—	Yes, max 3 Hz fast	—	—	—	Yes, max 3 Hz fast	—
Strobe	Yes, with variable speed					Yes, with variable speed				
Dimming	Full range					Full range				
Shutter/Strobe	Variable	Variable	electronic	Variable	Variable	Variable	electronic	Variable	Variable	Variable
Master/Slave	—	—	—	—	—	—	—	—	—	—
Stand Alone	•	•	•	•	•	•	•	•	•	•
Remote Focus	•	•	—	•	•	•	—	—	•	—
Pan/Tilt movement range	Pan 540°, Tilt 280°	Pan 540°, Tilt 260°	Pan 450°, Tilt 300°	Pan 540°, Tilt 260°	Pan 540°, Tilt 280°	Pan 540°, Tilt 260°	Pan 450°, Tilt 300°	Pan 540°, Tilt 260°	Pan 540°, Tilt 280°	Pan 540°, Tilt 260°
Display	RNS2 touch screen	RNS2 touch screen	RNS2 touch screen	RNS2 touch screen	RNS2 touch screen	RNS2 touch screen	RNS2 touch screen	RNS2 touch screen	RNS2 touch screen	RNS2 touch screen
8/16 Bit	16 Bit	16 Bit	16 Bit	16 Bit	16 Bit	16 Bit	16 Bit	16 Bit	16 Bit	16 Bit
DMX Channels	23/25/32	18/20/26	37/21/15/11	14/16/19	23/25/32	17/19/24	19/14/10	15/17/20	22/24/31	14/16/19
Main voltage EU/US model	100-240V 50/60Hz, autoranging					100-240V 50/60Hz, autoranging				
Power Consumption	770VA @ 230V	750VA @ 230V	340VA @ 230V	710VA @ 230V	450VA @ 230V	420VA @ 230 V	390VA @ 230V	400VA @ 230V	390VA	400VA
XLR	3 and 5-Pin	3 and 5-Pin	3 and 5-Pin	3 and 5-Pin	3 and 5-Pin	3 and 5-Pin	3 and 5-Pin	3 and 5-Pin	3 and 5-Pin	3 and 5-Pin
Ethernet port	yes, Art-Net, MA Net, MA Net 2					yes, Art-Net, MA Net, MA Net 2				
Weight	21.7 kg	19.6 kg	10,6 kg	21 kg	20 kg	19.6 kg	9.8 kg	20 kg	21 kg	20.5 kg
Size	516 x 433 x 470 mm	648 x 433 x 458 mm	445 x 343 x 203 mm	518 x 433 x 408 mm	516 x 433 x 470 mm	458 x 433 x 648 mm	445 x 343 x 203 mm	518 x 433 x 408 mm	516 x 433 x 470 mm	518 x 433 x 408 mm
Page	8	9	10	11	14	15	16	17	18	19

legend: • - yes, — - no



# ROBIN<sup>®</sup>

Innovative Technology



ROBE INNOVATIVE  
TECHNOLOGY

**ROBE<sup>®</sup>**

www.robe.cz

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**Central and South America:** Galicia 1200 ap 303 | 1100 Montevideo | Uruguay | Tel.: +5982 2900 67 47 | E-mail: info@robecs.com