

# ROBIN<sup>®</sup> 600E Spot



The ROBIN 600 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.

## ● Source

- Lamp: Compact high-pressure metal halide lamp
- Base: PGJX28
- Approved model: Philips MSR Gold 575/2 MiniFastFit
- Control: Automatic and remote on/off
- Ballast: Electronic

## ● Optical System

- Dichroic glass reflector for maximising the light efficiency
- Beam angle: Zoom range: 10 °–45 °  
(2 ° – min. zoom with iris, 56 ° max. zoom with frost)

## ● Electrical Specification

- Power supply: Electronic auto-ranging
- Input voltage range: 100–240 V, 50/60 Hz
- Power consumption: 770 VA at 230 V/50 Hz

## ● Mechanical Specification

- Height: 516 mm (20.3 ") – head in horizontal position
- Width: 433 mm (17.0 ")
- Depth: 470 mm (18.5 ")
- Weight: 21.7 kg (47 lbs)
- Fixation option: Pan/Tilt-lock mechanism

## ● Thermal

- Maximum ambient temperature: 45 °C (104 °F)
- Maximum surface temperature: 80 °C (176 °F)

## ● Rotating Gobos

- Outside diameter: 26.8 mm
- Image diameter: 22.0 mm
- Thickness: 1.1 mm (max. thickness=4mm)
- Recommended glass: High temperature borofloat or better glass

## ● Control and Programming

- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2
- Control channels: 23, 25, 32
- 3 DMX protocol modes
- 3-editable programs, each up to 99 steps
- Stand-alone operation
- QVGA Robe touch screen with battery backup gravitation sensor for auto screen positioning operation memory service log with RTC
- Pan/Tilt resolution: 8 or 16 bit
- Movement control: Tracking and vector
- Colour wheel positioning: 8 or 16bit
- Static gobo wheel positioning: 8 or 16bit
- Rotating gobos: 8 or 16bit
- Iris: 8 or 16bit
- Frost: 8 bit
- Focus: 8 or 16bit
- Dimmer: 8 or 16bit
- Ethernet port: Art-Net protocol, ready for ACN
- Data in/out: Locking 3-pin & 5-pin XLR
- Built-in analyser for easy fault finding

## ● Electromechanical Effects

- Cyan: 0–100 %
- Magenta: 0–100 %
- Yellow: 0–100 %
- CTO: 0–100 %
- Hot-spot control: Hot-or-not-spot
- Colour wheel: 7 replaceable "SLOT&LOCK" dichroic filters + open, trapezoid shape
- Static Gobo wheel: 9 replaceable "SLOT&LOCK" black and white gobos + open
- Rotating Gobo wheel: 7 rotating, indexable, replaceable "SLOT&LOCK" dichroic and glass gobos + open
- Iris: Motorized, stepless, up to 3 Hz
- Prism: 3-facet 11 ° indexable prism rotating in both directions at different speeds
- Frost effect: Separate, variable
- Dimmer/Shutter: Full range dimming and variable strobe effect, Electronic strobbing "ZAP"
- Motorized zoom and focus
- Pan: 540 °
- Tilt: 280 °

## ● Rigging

- Mounting points: 2 pairs of ¼-turn locks
- 2 x Omega bracket with ¼-turn quick locks
- Safety chain/rope attachment point



# ROBIN® 600E Wash



The ROBIN 600 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 600 Wash fixture.

## ● Source

- Lamp: Compact high-pressure metal halide lamp
- Base: PGJX28
- Approved model Philips MSR Gold 575/2 MiniFastFit
- Control: Automatic and remote on/off
- Ballast: Electronic

## ● Optical System

- Dichroic glass reflector for maximising the light efficiency
- Beam angle: 10°–35°

## ● Electrical Specification

- Power supply: Electronic auto-ranging
- Input voltage range: 100–240 V, 50/60 Hz
- Power consumption: 750 VA at 230 V/50 Hz

## ● Mechanical Specification

- Height: 518 mm (20.4") – head in horizontal position
- Width: 433 mm (17.0")
- Depth: 408 mm (16.1")
- Weight: 21 kg (46.3 lbs)
- Fixation option: Pan/Tilt-lock mechanism

## ● Thermal

- Maximum ambient temperature: 45 °C (113 °F)
- Maximum surface temperature: 80 °C (176 °F)

## ● Control and Programming

- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Protocol: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2
- Control channels: 14, 16, 19
- 3 DMX protocol modes
- 3-editable programs, each up to 99 steps
- Stand-alone operation
- QVGA Robe touch screen with battery backup gravitation sensor
- or auto screen positioning operation memory service log with RTC
- Pan/Tilt resolution: 8 or 16bit
- Movement control: Tracking and vector
- Colour wheel positioning: 8 or 16bit
- Zoom: 8 or 16bit
- Dimmer: 8 or 16bit
- Ethernet port: Art-Net protocol, ready for ACN
- Data in/out: Locking 3-pin & 5-pin XLR
- Built-in analyser for easy fault finding

## ● Electromechanical Effects

- Cyan: 0–100 %
- Magenta: 0–100 %
- Yellow: 0–100 %
- CTO: 0–100 %
- Colour wheel: 7 replaceable "SLOT&LOCK" dichroic filters + open, trapezoid shape
- Dimmer/Shutter: Full range dimming and variable strobe effect, Electronic strobing "ZAP"
- Motorized zoom
- Pan: 540°
- Tilt: 260°

## ● Rigging

- Mounting points: 2 pairs of ¼-turn locks
- 2 x Omega bracket with ¼-turn quick locks
- Safety chain/rope attachment point

## ● Optional Accessories

- Front wide-angle lens
- Top hats



# ROBIN® 600E Beam



The ROBIN 600 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.

## ● Source

- Lamp: Compact high-pressure metal halide lamp
- Base: PGJX28
- Approved model Philips MSR Gold 575/2 MiniFastFit
- Control: Automatic and remote on/off
- Ballast: Electronic

## ● Optical System

- Dichroic glass reflector for maximising the light efficiency
- Beam angle: 1.5°–6.5° (linear control)

## ● Electrical Specification

- Power supply: Electronic auto-ranging
- Input voltage range: 100–240 V, 50/60 Hz
- Power consumption: 760 VA at 230 V/50 Hz

## ● Mechanical Specification

- Height: 648 mm (25.5")
- Width: 433 mm (17.0")
- Depth: 458 mm (18.0")
- Weight: 21.5 kg (47.4 lbs)
- Fixation option: Pan/Tilt-lock mechanism

## ● Thermal

- Maximum ambient temperature: 45 °C (113 °F)
- Maximum surface temperature: 80 °C (176 °F)

## ● Control and Programming

- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2
- Control channels: 18, 20, 26
- 3 DMX protocol modes
- 3-editable programs, each up to 99 steps
- Stand-alone operation
- QVGA Robe touch screen with battery backup gravitation sensor for auto screen positioning operation memory service log with RTC
- Pan/Tilt resolution: 8 or 16 bit
- Movement control: Tracking and vector
- Colour wheel positioning: 8 or 16bit
- Static gobo wheel positioning: 8 or 16bit
- Rotating gobos: 8 or 16bit
- Iris: 8 or 16bit
- Frost: 8 bit
- Focus: 8 or 16bit
- Dimmer: 8 or 16bit
- Ethernet port: Art-Net protocol, ready for ACN
- Data in/out: Locking 3-pin & 5-pin XLR
- Built-in analyser for easy fault finding

## ● Electromechanical Effects

- Cyan: 0–100 %
- Magenta: 0–100 %
- Yellow: 0–100 %
- Colour wheel: 7 replaceable "SLOT&LOCK" dichroic filters + open, trapezoid shape
- Static Gobo wheel: 7 black and white gobos + open
- Rotating Gobo wheel: 7 rotating, indexable, replaceable "SLOT&LOCK" dichroic and glass gobos + open
- Iris: Motorized, stepless
- Frost effect: Separate, variable
- Dimmer/Shutter: Full range dimming and variable strobe effect, Electronic strobbing "ZAP"
- Motorized focus
- Pan: 540 °
- Tilt: 260 °

## ● Rigging

- Mounting points: 2 pairs of ¼-turn locks
- 2 x Omega bracket with ¼-turn quick locks
- Safety chain/rope attachment point

