

Rogue R2X Spot

A powerful 300W LED moving head spot fixture featuring gobo-morphing technology and two variable scrolling color wheels for a stunning range of shape-changing and split-color effects.
Perfect for touring productions, event stages, and installations requiring a feature-packed spot fixture that delivers high-impact visual effects and dynamic color combinations.

- Features an intense 300 W LED engine with a crisp 8831 K color temperature.
- Offers two separate gobo wheels, one rotating and one fixed, for layered pattern effects.
- Includes a 3-facet prism, frost, and iris for dynamic beam shaping and aerial effects.
- Achieves exceptionally smooth fades with 16-bit dimming and flicker-free on-camera operation.
- Provides versatile control options with DMX, RDM, and both 3-pin and 5-pin connectors.
- Features professional Neutrik powerCON connections for fast and reliable power linking between units.

SPECIFICATIONS

Optical

Light Source: 1 LEDs (CW) 300 W, (8.7 amps), 8831 K, 50,000 hours life expectancy

Color Temperature (at full): 8847 K

Front lens diameter: 100 mm

CRI: 71.7

Beam Angle: 16°

Field Angle: 18°

Cutoff Angle: 18.4°

Lumens – Source: 23,000

Lumens – Output: 14,789

Illuminance (total): 9,344 lux @ 5 m

Selectable LED Power output: 50-100

Selectable PWM: 600 Hz, 1,200 Hz, 6,000 Hz, 15,000 Hz

Dynamic Effects

Pan and Tilt: 540°/250°

Pan and Tilt Ranges: 540°, 360°, 180° pan/250°, 180°, 90° tilt

Colors (1): 7 + white, split colors, continuous scroll at variable speeds

Colors (2): 7 + white, split colors, continuous scroll at variable speeds

Gobos (1): 7 + open (7 metal), rotating, interchangeable, indexing, slot-n-lock, continuous scroll at variable speeds

Gobos (2): 8 + open (8 metal), continuous scroll at variable speeds

Gobo Size:

Gobo Wheel 1 (rotating):	Positions 1, 2, 3, 4, and 7 (metal); size: 28.8 mm (outside), 23.8 mm (image), 0.5 mm (max. thickness)
Gobo Wheel 1 (rotating):	Positions 5 and 6 (glass); size: 27 mm (outside), 24 mm (image), 3 mm (max. thickness)

Framing Shutters: No

Dimmer: Electronic

Shutter/Strobe: Electronic

Focus: Motorized

Frost: Motorized

Iris: Motorized

Prism: 3 Facets, motorized, rotating

Strobe Rate: 0 to 22 Hz

Standalone Color Mixing: No

Color Temperature Presets: No

Move-in-Black: Yes

Construction / Physical

Dimensions (single unit): 16.1 x 13.5 x 19.25 in (409 x 343 x 489 mm)

Weight (single unit): 47.8 lb (21.7 kg)

Exterior Color: Black

Housing Material: High-impact flame-retardant polymer

Connections

Power Connection: Edison (local) plug to Neutrik® powerCON®

Power Input: Neutrik® powerCON®

Power Output: Neutrik® powerCON®

Data Connectors: 3- and 5-pin XLR

Cable Length (power): 5 ft (1.5 m)

Control

Control Protocol: DMX, RDM

DMX Channels: 18 or 21

Modes/Personalities: 2 personalities (18, 21)

Electrical

Input Voltage: 100 to 240 VAC, 50/60 Hz (auto-ranging)

Power Linking: 2 units @ 120 V; 5 units @ 208 V;5 units @ 230 V

Power and Current: 488 W, 4.09 A @ 120 V, 60 Hz

Power and Current: 480 W, 2.35 A @ 208 V, 60 Hz

Power and Current: 481 W, 2.03 A @ 230 V, 50 Hz

Certifications / Qualifications

Certifications: CE, MET, FCC, UKCA

IP Rating: IP20, dry location

Temperature (Ambient): -4 °F to 113 °F (-20 °C to 45 °C)

Optional Accessories

Professional Clamps: CTC-50HC, CTC-50HCN
Safety Cable: SC-07
DMX Cables
powerCON extension cables
Upload 08 software uploader
Road Case: CP2CASER2XR3XSPOT

What's Included

Rogue R2X Spot
Neutrik powerCON power cord
Omega bracket with mounting hardware