CYCLOPS LIGHTING

SPECTRA 48

DATASHEET

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The **Spectra 48** is a professional-grade, IP65-rated wash fixture engineered for high-impact indoor and outdoor environments. Combining a powerful 11,289-lumen output with a sophisticated **AP04-2 advanced long strip lens optical system**, this fixture delivers exceptional color uniformity and precision beam control. Its Red, Green, Blue, and Lime (RGBL) engine provides a superior spectrum of color and high-quality white light (6700K), while its 12-section pixel mapping capabilities offer endless creative possibilities for dynamic visual displays.

The Spectra 48 is defined by its precision engineering and versatile performance. By utilizing the specialized **AP04-2 long strip optics**, the fixture balances a punchy 30° native beam with a wide 115° field of view, ensuring even coverage and razor-sharp pixel definition for complex mapping. Designers benefit from professional-grade color control, including integrated Lee Filter and CTO presets (2000K–10000K), alongside four selectable dimming curves and a Halogen simulation mode. Its 12 individual control sections allow for granular pixel manipulation and sophisticated internal FX, while the IP65-rated housing and smart temperature management ensure reliable, flicker-free operation in the most demanding broadcast and all-weather environments.

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SOURCE

Light Source	• 48 x 8W RGBL LEDs
Total Output	• 11,289 lumens (all LEDs on)
Illuminance	• 3,857 lx @ 2m | 617 lx @ 5m | 241 lx @ 8m | 154 lx @ 10m
Color Temperature	• 6,700K (at full)
LED Frequency	• 1K Hz to 18K Hz PWM for flicker-free performance

OPTICAL SYSTEM

Lens Technology	• Advanced AP04-2 Long Strip Lens optical system
Beam Angle	• 30° (Native)
Spot Angle	• 115°
Filter	• Integrated Lee Filter (Tungsten/Daylight)
Accessories	• Magnetic frost filter, One-sided barndoor, Two-sided barndoor

MOVEMENT

Tilt	• 0–360° manual adjustment

COLORS

Color Mixing	• RGBLA
Color Calibration	• 127–255
CTO	• 2000K–10000K

CONTROL & PROGRAMMING

Display	• LCD Touch Screen with four-button navigation
Control Channels	• 1, 4, 5, 8, 11, 18, 22, 24, 34, 48, 58 CHs
Control Protocols	• DMX 512, Master/Slave, Auto Run
Dimming Curves	• 4 selectable modes (Linear, Square Law, Inverse Square Law, S-Curve)
Strobe	• 0–20Hz adjustable; Pulse, Random, and Single Pixel modes
Fan Control	• Auto, Max Power and Fan Off modes

ELECTRICAL

Input Voltage	• 100~240V / 50~60Hz
Power Consumption	• 375W

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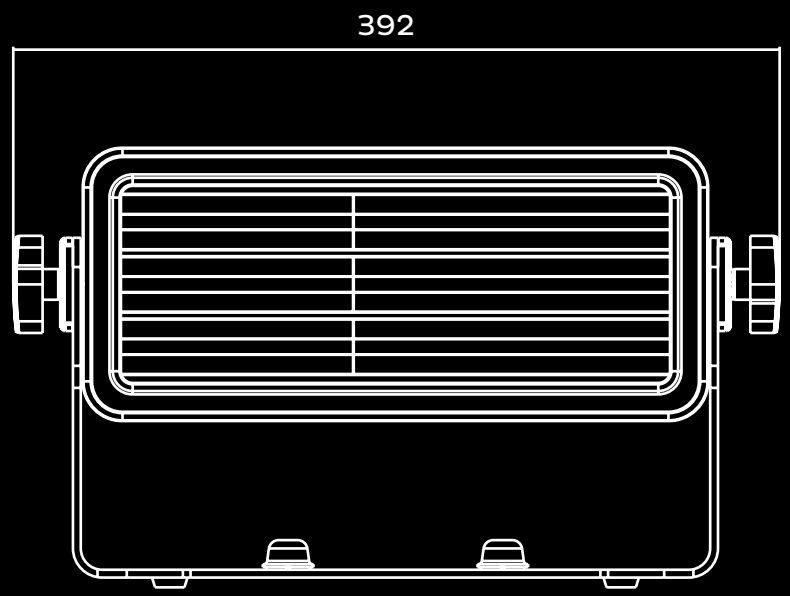
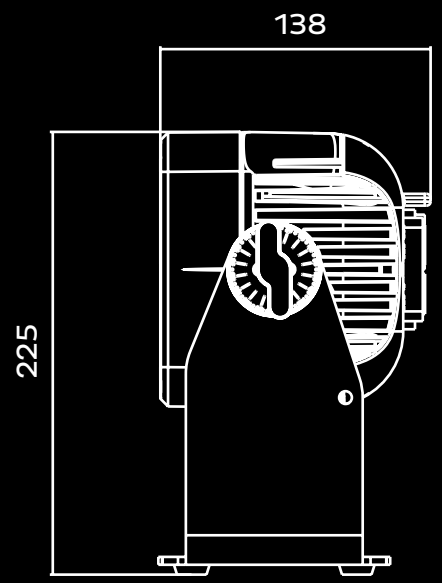
CONNECTIONS

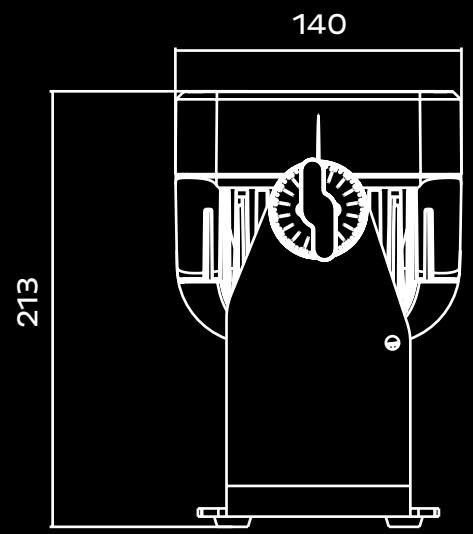
Power Connections	• 3-pin XLR In/Out; Power In/Out
Daisy Chain	• Supports up to 6 pieces @ 220V

PHYSICAL

Dimensions	• 378 x 140 x 213 mm
Net Weight	• 6.52 Kg
Operating Temperature	• -40°C / 45°C
IP Rating	• IP65







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OPTIONAL ACCESSORIES

Magnetic Frost Filter (40°)
FF40-48

The **FF15-48 Magnetic Frost Filter** instantly widens the SPECTRA 48's output to a smooth **40-degree beam**. This snap-on accessory is essential for homogenizing the 60x8W RGBL LEDs for flicker-free pixel mapping and wide wash applications, all while preserving the fixture's weather-sealed integrity.

One-Sided Barndoor
BD1-48

The **BD1-48 One-Sided Barndoor** provides a sleek, low-profile solution for controlling light spill and glare. Featuring a single adjustable leaf, it allows for precise horizontal or vertical cutoff, making it ideal for flagging light away from cameras or audience members in tight stage or architectural setups.

Four-Sided Barndoor
SKU: BD4-48

The **BD4-48 Four-Sided Barndoor** offers complete beam-shaping control through four independent leaves that eliminate peripheral spill. Built for rugged outdoor use, this accessory allows the SPECTRA 48's wash to be framed into sharp rectangular or square patterns for precise wall grazing and professional stage lighting.

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www.cyclopslighting.com