



# Best Boy 4000<sup>®</sup> Spot Luminaire

The PRG Best Boy 4000<sup>®</sup> Spot is a precision-engineered automated luminaire; with an all-inclusive feature set without compromising output or performance. The most advanced automated lighting fixture available, the Best Boy 4000 is purpose-built to be the ultimate designer's tool with high output and a feature set that includes shutters and an iris, superior speed and unmatched optical clarity.

Surpassing all comparable luminaires in energy-efficiency, the Best Boy 4000 draws 5-amperes at 208V and only 10-amperes at 110V. It uses a traditional MSR 700SA lamp and produces 20,000 lumens with an optical efficiency of over 31%.

With a beam size iris that works hand in hand with the 8:1 zoom and framing shutters, the Best Boy 4000 offers the maximum beam versatility in a single automated fixture. Using servomotors in critical areas throughout the unit guarantees that movements and functions are precise with fluid control over both rapid and slow movements.

The Best Boy 4000 produces an even, clean white beam with no green tint and no hot spots. Best Boy 4000's CMY color-mixing system offers strong saturated colors as well as a wide array of tints and lighter hues; a seven-color designer wheel includes a superior UV filter for blacklight effects. The unique color temperature wheel lets designers match color temperature from 3,000K to 7,500K and provides an integrated minus green filter, ideal for on-camera lighting. The new PRG Moiré Gobos™ give designers a new level of gobo effects and the high-definition optics maintain edge-tracking of gobos for clear focus throughout the entire zoom range (8°-64°).



## Features

<b>SOURCE:</b>	MSR 700SA lamp; optics optimized for 20,000 lumens
<b>OUTPUT:</b>	20,000 lumens
<b>POWER DRAW:</b>	Max. 4.5A at 240 V, 5A at 208V, 10A at 110V. Auto-sensing voltage input range is 90V-264V, 50/60HZ
<b>OPTICAL EFFICIENCY:</b>	31%
<b>REFLECTOR:</b>	Precision glass reflector with cold mirror coating
<b>ZOOM RANGE:</b>	8:1 from a tight spot of 8° to a very wide flood of 64° maintaining focus throughout
<b>BEAM SIZE CONTROL:</b>	In addition to the zoom optics, a mechanical iris provides continuous beam size control for both rapid changes and smooth, timed beam angle changes
<b>SHUTTERS:</b>	Four-blade framing system features four, independent blades mounted in two planes. Each blade can be tilted +/- 30° and the entire frame system can be rotated +/- 60° for a total travel of 120°
<b>DIMMING:</b>	Gray-scale glass dimmer for full-field dimming from 0% to 100% with accurate slow-speed control and fast bumps
<b>STROBE:</b>	Servo-powered, lightning fast strobe wheel
<b>EFFECTS:</b>	1 multiplying four-facet prism, 2 glass effects, and variable frost
<b>COLOR:</b>	CMY color system featuring three (3) crossfading color wheels of Cyan, Magenta, and Yellow, plus one (1) designer wheel with seven (7) user-changeable color filters
<b>COLOR TEMPERATURE CONTROL:</b>	Adjustable color temperature wheel, range from 3,000K all the way up to 7,500K. Also includes an integrated minus green filter
<b>ROTATING GOBOS:</b>	Two (2) indexable, rotating gobo wheels with six (6) gobos per wheel. Gobos are individually calibrated so the unit will automatically index the orientation of each gobo regardless of placement. Both gobo wheels accept PRG Moiré Gobos™ for advanced gobo rotator effects
<b>OPERATING TEMP:</b>	-20° to 120°F (-29° to 49°C)
<b>CONTROL:</b>	Compatible with all PRG consoles and a wide variety of DMX512 and Art-Net consoles
<b>ON-BOARD CONTROL:</b>	Built-in LCD touchscreen display allows for on-board fixture control and feedback. On-board battery power allows for the fixture address and configurations to be set without having to apply AC power to the luminaire
<b>PAN &amp; TILT:</b>	Three-phase, high-speed servomotors
<b>RANGE:</b>	Pan - 615°, Tilt - 260°
<b>DMX:</b>	45 channels

## Built-In LCD Touch Screen

Best Boy 4000 features a built-in LCD touchscreen display which provides access to control, configuration, status, and testing functions.



Sample Menu Screen

