



Bad Boy® HP with Framing Luminaire - Preliminary

The Bad Boy® HP with Framing is a modernized, enhanced version of the industry-leading Bad Boy luminaire from PRG. By adding a precision controlled fully-closing framing system, designers have even more possibilities with one of the most powerful and robust luminaires in the market. The Bad Boy HP w/Framing also has upgraded internal components including the optical zoom system and ballast reliability.

Bad Boy HP with Framing is the ideal choice whenever a big-beam look is required, such as when playing in front of high-brightness LED screens. Producing a powerful 55,000 lumens, the Bad Boy HP with Framing couples its high-definition optics with a 1500W lamp that can be set to levels 1200W, 1400W, or 1630W.

Dimensions

POSITIONING:

Can be mounted in any orientation.

SPACING:

Hangs on 30-inch (762 mm) centers.

WEIGHT:

TBD lbs (TBD kg) - includes clamps and rails

Please see diagram on back

Built-In LCD Touch Screen

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



Sample Menu Screen



Features

SOURCE:	1500W Arc Lamp. Can be set to levels 1200W, 1400W, or 1630W.
OUTPUT:	50,000 lumens
POWER DRAW:	TBDA at 208V, TBDA at 240V. Auto-sensing voltage input range is 170V-270V 50/60HZ. Power factor >TBD
REFLECTOR:	Precision glass reflector with dichroic cold mirror coating.
ZOOM RANGE:	Standard Mode - 8:1 from narrow spot of 7° to wide flood of 56° Ultra Narrow Mode - 5.5° to 8°
ZOOM CONTROL:	Fast Zoom Mode or Maintain Focus Mode
BEAM SIZE CONTROL:	In addition to the zoom optics, a mechanical iris provides continuous beam size control for both rapid changes and smooth timed beam angle changes.
SHUTTERS:	Four-blade framing system features four, independent blades mounted in four planes. Each blade can be tilted +/- 20° and the entire frame system can be rotated +/- 60° for a total travel of 120°. The system can fully crossover the beam.
DIMMING:	Full-field dimming from 0 to 100% with accurate slow-speed control and fast bumps.
STROBE:	Servo-powered, lightning fast strobe.
FROST:	Variable frost for smooth diffusion.
COLOR:	CMY color system featuring three (3) crossfading color wheels of Cyan, Magenta, and Yellow, plus one (1) designer wheel with user-changeable color filters.
ROTATING GOBOS:	One (1) indexable, rotating gobo wheel with seven (7) gobos per wheel. Gobos are individually calibrated so the unit will automatically index the orientation of each gobo regardless of placement.
FIXED GOBOS:	One (1) designer, fixed gobo wheel with seven (7) gobos per wheel.
OPERATING TEMP:	32° to 120°F (0° to 50°C)
POWER CONNECTOR:	powerCON TRUE1 TOP
CONTROL:	Compatible with DMX512-A, RDM, sACN, and Art-Net sources. An internal Ethernet switch allows for daisy-chaining fixtures.
ON-BOARD CONTROL:	Built-in LCD display with touchscreen featuring menu system control. On-board battery power allows for the fixture address and configurations to be set without having to apply AC power to the luminaire
PAN & TILT:	Three-phase, high-speed servo motors.
RANGE:	Pan - 540°, Tilt - 270°
DMX:	42 channels

Bad Boy® HP with Framing Luminaire Specifications

The unit is an integrally designed, remote controlled, motorized luminaire. The housing and yoke are constructed of aluminum and steel for lightweight strength and are forced-air cooled. The unit utilizes an arc lamp that can be set to levels 1200W, 1400W, or 1630W. The lamp is easily changeable from the rear of the unit, eliminating the need to open the head for lamp access.

Two high torque servo motors provide the luminaire with 540° of pan and 270° of tilt. Control cabling runs internally to prevent tangling. The pan and tilt are belt-driven, providing positional resolution and repeatability of 0.2° on either axis. Manual override under power will not harm the drive mechanism. Pan and tilt locking mechanisms automatically unlock when power is applied to the fixture.

Each unit is equipped with an on-board microprocessor providing diagnostic and self-calibration functions. In the event the luminaire encounters any physical obstruction during calibration, the pan and tilt motors will automatically be disabled preventing damage to the mechanisms.

The Bad Boy luminaire contains three (3)

crossfading color wheels of Cyan, Magenta, and Yellow, plus one (1) designer wheel with user-changeable color filters.

The unit contains one (1) indexable, rotating gobo wheel with seven (7) gobos per wheel. Gobos are individually calibrated so the unit will automatically index the orientation of each gobo regardless of placement. All gobos are easily removable from the unit. Bad Boy wheels are finely controlled by specialized microprocessing to provide accurate positioning for gobos and open white positions. An additional one (1) fixed gobo wheel with seven (7) user-customizable glass gobos is included.

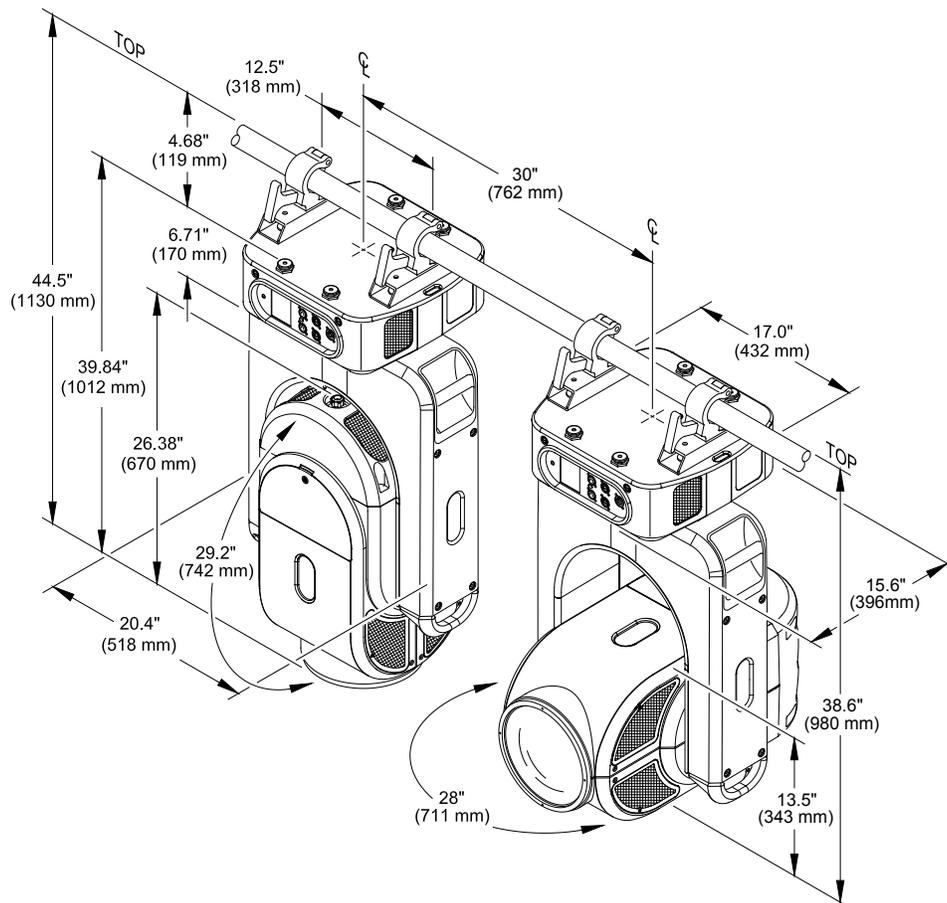
The luminaire contains a beam shaping system that consists of four independent blades mounted in four planes. Each blade can be tilted +/- 30° and the entire frame system can be rotated +/- 60° for a total travel of 120°. The unit contains a mechanical iris which provides continuous beam size control for both rapid changes and smooth timed beam angle changes. Variable beam focus is provided to soften edges of gobos or spots and provide gobo morphing. The zoom optics system provides an 8:1 zoom range from narrow spot of 7° to wide flood of 56°. The unit is capable of full-field dimming from 0 to 100% with accurate

slow-speed control and fast bumps. The unit also contains a servo-powered strobe mechanism for lightning fast strobe effects.

The unit is compatible with all PRG consoles and all DMX512-A, RDM, sACN and Art-Net consoles. An internal Ethernet switch allows for daisy-chaining fixtures. A built-in LCD display with touchscreen allows for on-board fixture control. Internal battery power allows a fixture address and configuration to be set without having to apply AC power to the luminaire.

Two (2) safety cables, power connector, and clamp rails are provided with each unit. Exterior finish is black powder coat. Total weight does not exceed TBD lbs (TBD kg). The unit is ETL and CE compliant.

Dimensions



POSITIONING:
Can be mounted in any orientation.

SPACING:
Hangs on 30 inch (762 mm) centers.

WEIGHT:
TBD lbs (TBD kg) includes clamps & rails

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