

# i-PIX

## BB4 washlight

The **BB 4 washlight** is a 20 degree four cell RGB led fixture, drawing only 120 watts at 240 volts on full.

Designed to displace older more inefficient technologies, with an easy to setup fixture. Either permanent installation or daily touring, this fixture is ideally suited for busy lighting hire companies.

Multiple configurations give a range of uses from one versatile fixture. Whilst multiple setups are easy to achieve. Lighting designers benefit from a reliable, solid fixture, with excellent color and output, with the benefit of reduced power draw. The BB 4 is an led fixture designed to look and behave like a 4 cell light but with LED performance. Four powerful custom color RGB light engines deliver a range of rich saturated colors in either 8 or 16 bit operation. With tight wavelength tolerances. Further slide in optical accessories offer a quick way to setup an even wash on a cyc or set, free from hotspot or colour striation. A selection of operating modes gives the designer a range of functions to squeeze the most out of this fixture. Various operating modes are easily configured via two on board user interfaces, which allow easy setup of this fixture, no matter what orientation.

Built in software can recall pre programmed memories, which build into a chase of up to 20 steps, with adjustable fade and wait times. An enhanced dimmer curve function gives a finer control of the lower intensities when run from standard dmx lighting desks.

Connecting multiple fixtures is easy with just one small multicore linking fixtures with both power and data. An increasing range of rigging accessories, with tool free camloc connections, enhances the possible uses of this fixture with classic 4 and 8 way blinder frames, and other unusual configurations available.



## features

- Energy efficient additive color mixing and static color device
- Custom rgb light engine for superior color and intensity
- Efficient heat dissipation of both led heat and control section
- Self contained device
- Built in user interface for additional functionality
- Built in functions for dmx use and stand alone use
- 10 - 8 and 16 bit operating modes.
- A variety of different operating modes are provided for differing applications
- 4 x 20 degree beam angle as standard
- Accessory slot for optical accessories
- Asymmetric beam adjusters included for smooth cyc & set wash
- Easy connect of data with 5pin xlr's from supplied splitters
- Easy power input and output for daisy chaining adjacent units 16 amps max from splitters provided
- Combined data and power cable chassis connections for tidy single cable setups
- Range of rigging frames available, including 4/ 8 way blinders
- Auto ranging power input 100v to 240 volts, ideal for touring globally
- Dual safety points provided as standard
- Flicker free operation. Ideal for film and TV use

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## BB4 washlight

### Control

DMX channels  
User interface  
switches

### RGB additive color mixing

3 channels minimum 37 channels maximum  
weatherproof backlit lcd display with four membrane

### Modes

#### 8 bit standard resolution:

- 1 1 x RGB over four pixels
- 3 1 x RGB x 4 with overall master and strobe
- 5 4 x RGB
- 7 4 x RGB with individual master and strobe
- 9 4 X RGB with combined master and strobe

#### 16 bit high resolution (recommended)

- 2 1 x RGB over four pixels
- 4 1 x RGB x 4 with overall master and strobe
- 6 4 x RGB
- 8 4 x RGB with individual master and strobe
- 10 4 X RGB with combined master and strobe

note 16 bit for every channel bar strobe which runs as 8 bit

### Light Engine

|             |  |
|-------------|--|
| Source      | customised lamina Titan RGB LED  |
| Wavelengths | Red 625 Nm +/- 2.5 Nm<br>Green 517 Nm +/- 2.5 Nm<br>Blue 452.5 Nm +/- 2.5 Nm |
| Optics      | 4 x evenly spaced 20 degree optic  |

### Thermal characteristics

|                       |   |
|-----------------------|---|
| Fixture front         | passive convection cooled   |
| Power box             | Force air cooled via low airflow/ low noise fans, mounted to the base |
| Operating temperature | Minimum: -20 degrees C<br>Maximum: + 46 degrees C                     |

### Weather protection

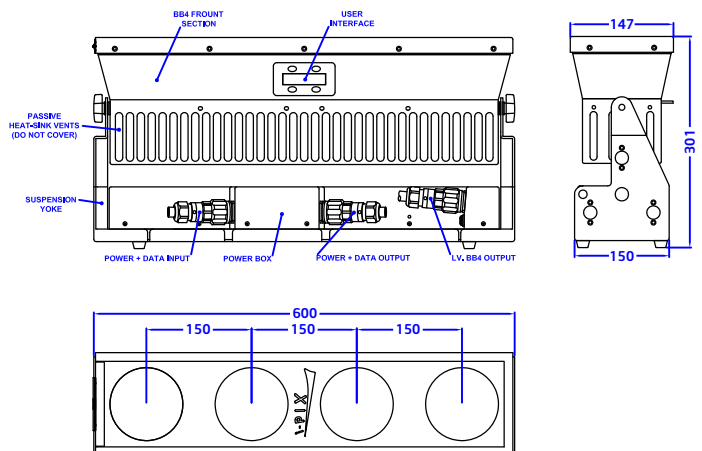
|               |   |
|---------------|---|
| Fixture front | hermetically sealed to IP67                           |
| Power box     | mounted horizontally facing upwards,<br>Rated to IP65 |
| Humidity max  | 20% ~ 90% RH non-condensing                           |

### Approvals & Compliance

|                 |             |
|-----------------|-------------|
| BS EN 55103-1   | Harmonics   |
| BS EN 55103-2   | Immunity    |
| BS EN 61000-3-2 | Emissions   |
| USA / Canada    | ETL pending |

lead and mercury free manufacture

IP Protection Patents filed in USA



## Tech spec

### Dimensions

|        |   |
|--------|---|
| Length | 24" (600 mm)  |
| Height | 12" (301 mm) on rubber feet   |
| Width  | 5.9" (147 mm)   |
| Weight | 30 lbs (13.5Kg) total<br>Yoke: 6.6 lbs (3 KG)<br>Power Box: 9.9 lbs (4.5Kg)<br>BB4 batten: 13.2 lbs (6Kg) |

### Mechanical design/ materials used

|           |   |
|-----------|---|
| Batten    | aluminium shrouded finned diagonal heatsink |
| Power box | aluminium with steel base                   |
| Yoke      | folded and welded steel                     |
| Finish    | Electro static powder coated black satin    |

### Rigging

|                     |  |
|---------------------|--|
| Style               | 16 ¼ turn camloc fasteners   |
| Number of positions | 8 rigging locations on yoke  |
| Accessory holder    | fitted with sprung retention flap  |
| Conventional mounts | 2 of ½" (12mm) bolt holes fitted at each yoke end<br>Note: unit comes with three top hat rigging points to accept ½" (12mm) bolts, equipped with two camloc ¼ turn bolts |

### Electrical connections for mains and data in/out

|                                    |                                   |
|------------------------------------|-----------------------------------|
| Combined power and data connection |                                   |
| Input                              | chassis mounted male IP67 6 pin   |
| Output                             | chassis mounted female IP67 6 pin |
| Fixture feed                       | chassis mounted female IP67 7 pin |
| Fixture feed                       | trailing 7 pin male               |

### Mains and data

|                     |            |
|---------------------|------------|
| Input inline female | 6 pin Ceep |
| Output              | 6 pin Ceep |

### Electrical

|                                |                            |
|--------------------------------|----------------------------|
| 120 watts total power on full. |                            |
| Input                          | 90- 265 Volt 50/60 Hz      |
| Power                          | 1.01 amps @ 110 volts      |
| Fuse                           | 20mm x 5mm slow blow 2 amp |
| Output to fixture              | 15 volts max               |

Data type USITT DMX512-A

Note; units comes complete with mains tail and 5 pin male. A 3' (1 metre) combined power cable link is also supplied.

i-PIX reserves the right to change product specifications

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