

# FALCON BAR400

## 16 x 20W RGBW IP65 LED BAR



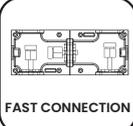
The Falcon BAR400 is a powerful IP65-rated RGBW LED bar designed for professional applications requiring strong output, smooth color mixing, and precise segment control. It features 16 x 20W RGBW LEDs delivering up to 8,200 lumens, with 16 independent pixel zones for dynamic effects and detailed programming. A native 13° beam angle ensures focused projection, while optional frost filters (15°, 40°, 60×10°) offer wide, even coverage for wash applications. With selectable color temperature from 2500K to 10,000K and five dimmer curves, the BAR400 adapts easily to both stage and architectural needs. The fixture supports DMX and RDM control via 5-pin XLR and offers 8 DMX channel modes up to 72 channels for advanced control mapping. Built in the same housing as the Falcon FX400, it integrates seamlessly using the shared quick-connect system, allowing multiple units to lock together for extended visual setups. Equipped with Seetronic TRUE1 power connections, a user-friendly LCD interface, and fanless operation, the Falcon BAR400 is built for silent, reliable performance indoors or outdoors.

- 16X20W RGBW LED
- Square Beam lenses 10°
- Linear 16-bit Dimming w/ 4 Dimmer Curves
- 13° Beam Angle | 24° Field Angle
- 8.200 Lumen
- Virtual Color Gel Presets
- Built-In Color Scroll & Fade FX
- Variable Color Temperature Control
- User Selectable Refresh Rates
- Hardline DMX via 5-Pin or 3-Pin XLR Connection
- Smart temperature control
- AC Power Operation via PowerCON TRUE1 IN/THRU Connection
- Convective Heatsink – Fanless Design
- Self Standing Base with rubber feets on. With quarter turn bracket



## RGBW Color Mixing



|                                                                                                                       |                                                                                                          |
|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| <b>LED</b><br>16 x 20W<br>RGBW                                                                                        | <br>PIXEL CONTROL   |
| <br>MULTIDIRECTIONAL<br>SPLICING | <br>FAST CONNECTION |
| <br>IP65                         | <br>DMX/RDM         |
| <b>UK<br/>CA</b>                                                                                                      | <b>CE</b>                                                                                                |



# FALCON BAR400

16 x 20W RGBW IP65 LED BAR

## SPECIFICATION SHEET

### OPTICAL PARAMETERS

|                         |                                                    |
|-------------------------|----------------------------------------------------|
| Main LED:               | 16 X 20W RGBW                                      |
| Lumens:                 | 8,200                                              |
| Source Life Expectancy: | 50,000 Hours                                       |
| Beam Angle:             | 13°                                                |
| Field Angle:            | 24°                                                |
| TM-30/CRI/TLCI:         | CRI: 75                                            |
| Optional Attachment:    | Barn door, Slide in filters                        |
| Selectable PWM:         | 600, 1.200, 2.400, 4.800, 9.600, 12.000, 18.000 Hz |

### DYNAMIC EFFECTS

|                              |                                   |
|------------------------------|-----------------------------------|
| Pixel Control:               | 16 individual controllable pixels |
| Dimming Resolution:          | 16-bit Dimming                    |
| Dimmer Curves:               | 4                                 |
| Stand-Alone Mode:            | Selection of Static Color         |
| Built-in Automated Programs: | Yes                               |
| Sound Active Mode:           | Yes                               |
| Master/Slave Mode:           | Wired                             |
| Shutter/Strobe:              | 1 – 20 Hz                         |

### PHYSICAL

|                            |                                      |
|----------------------------|--------------------------------------|
| Ingress Protection Rating: | IP65, outdoor/wet                    |
| Cooling:                   | Convective Heatsink – Fanless Design |
| Signal connection:         | 5-Pin XLR IN/THRU                    |
| Power connection:          | Seetronic True1 IP65                 |
| Dimensions (WxHxD)mm:      | 1025 x 140 x 192                     |
| Weight:                    | 9,72kg                               |

### ELECTRICAL

|                            |                                                                                 |
|----------------------------|---------------------------------------------------------------------------------|
| Power Supply:              | 100-240V – 50/60Hz                                                              |
| Max Power Consumption:     | 330W / 1.44A @ 230V                                                             |
| Power factor:              | >0.95                                                                           |
| Inrush current:            | 40 A, 375 µs                                                                    |
| Standby Power consumption: | 10.0W                                                                           |
| Power supply:              | Overload protection, output overvoltage protection, over-temperature protection |

### BODY

|             |                   |
|-------------|-------------------|
| Body:       | Die-Cast Aluminum |
| Body Color: | Black (RAL-9004)  |
| Lens Type:  | PE Lenses         |
| Tilt:       | 0-180             |

### COLOR SYSTEM

|               |                                                             |
|---------------|-------------------------------------------------------------|
| Color Mixing: | RGBW                                                        |
| Macros:       | Built-In color effects, Strobe effects and blinder effects. |

### CONTROL

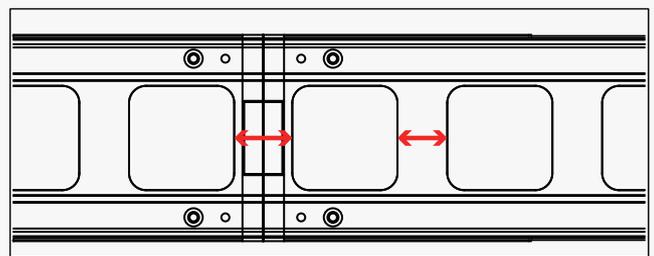
|                        |                                       |
|------------------------|---------------------------------------|
| Protocols:             | DMX512                                |
| DMX channels:          | 2 / 4 / 9 / 13 / 25 / 32 / 64 / 72 ch |
| Display:               | TFT display                           |
| LED Color Calibration: | Yes                                   |

### Stand-Alone, Master/Slave, Sound Active Modes

### OPTIONAL ACCESSORIES:

|                                      |                      |
|--------------------------------------|----------------------|
| 4in1/6in1/8in1 FlightCase made in EU | Power Linking Cables |
| Barn Doors                           | Selflock Couplers    |
| Base Plate & hanging bracket         | Omega Bracket        |

### SPLICE DISTANCE

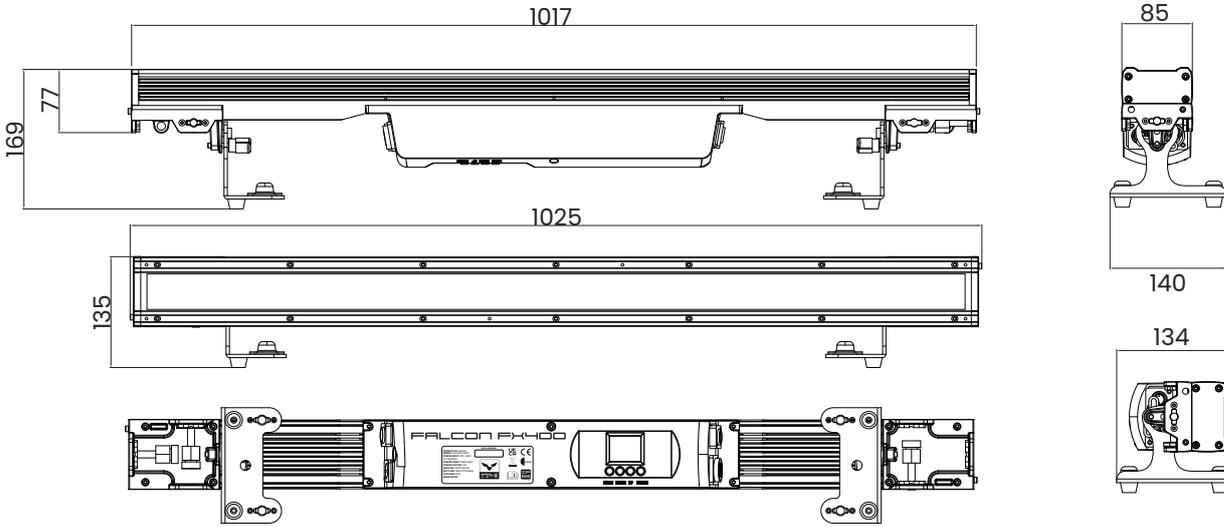


The Falcon BAR400 features consistent LED spacing across units, ensuring seamless visual continuity when linking multiple bars. This allows for perfectly aligned pixel mapping and uninterrupted light flow from bar to bar.

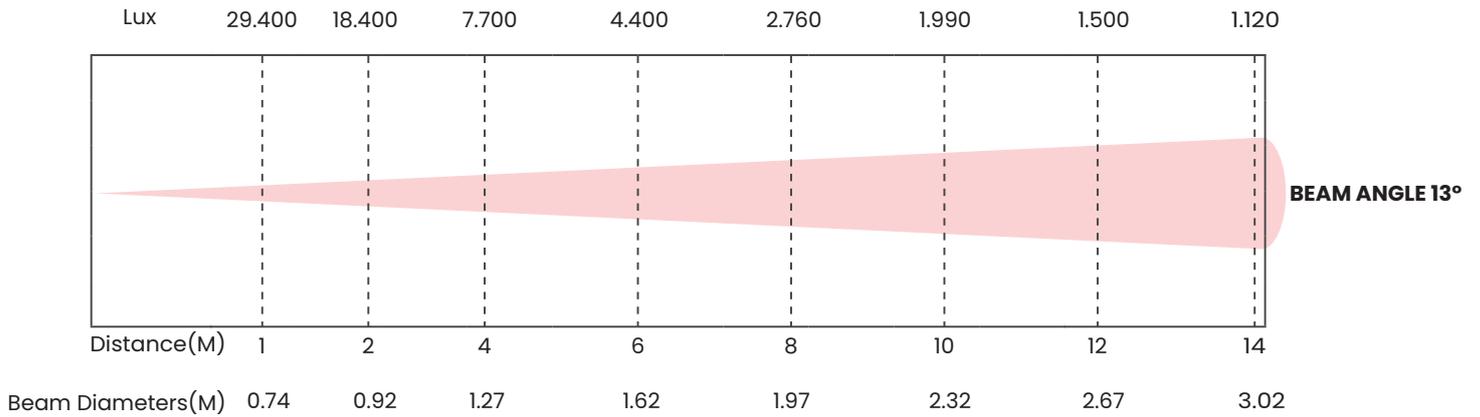
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## SIZE



## PHOTOMETRIC



## OPTIONAL ACCESSORIES

