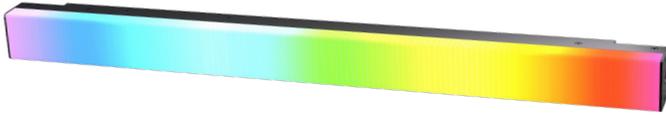




# INFINIBAR PB6 Data Sheet



## Main Features

- **2-Foot (60cm) 14W RGBWW Full Color LED Pixel Bar**
- **48 Individual Pixels** (Lighting Zones)
- **Infinite Blending Design** to Reduce Visible Gaps When Connecting Multiple Lights
- **10 Splicing Connectors<sup>1</sup>**: Straight, Triangle Flat, Triangle 3D, Hexagon Flat, Hexagon 3D, 3-Way Flat, 4-Way Flat, 6-Way Flat, Square Flat, Square 3D
- **Share AC Power Over Multiple INFINIBARs** w/ Splicing Connectors
- Mounting: **INFINIBAR Clamp (Baby Pin) & Neodymium Magnets**, 1/4-20in Screw Mount
- **Frosted Diffusion Layer** for Smoother Light and Reduced Glare
- **Approx. 100 Min Battery Life** at Max Output (29.6Wh)
- **Smart Battery Life Mode**: Adjust Runtime to 2/4/6/8 Hours
- **0-100% Brightness Control** at 0.1% Increments
- **Fully Tunable CCT** from **2,000K-10,000K + G/M Adjustment**
- CRI: **≥96**, TLCI: **≥98**, TM-30 Rf (Avg.) = **94**, TM-30 Rg (Avg.) = **103**, SSI(D56) **≥74**, SSI(Daylight) **≥85**
- **≥90% of Colors** within **Rec.2020 Color Space**
- **Advanced HSI** with White Point **CCT Control**
- **Industry-standard xy** (CIE 1931), RGB, 300+ Gel Presets
- **Multiple Control Methods**: Sidus Link® App, DMX/RDM via USB-C<sup>2</sup>, LumenRadio CRMX
- **29 Built-In DMX Profiles**: Supports DMX Loss Behaviors
- **9 Built-In Lighting FX**: Fireworks II, Fire II, Paparazzi II, Faulty Bulb II, TV III, Pulsing III, Cop Car III, Lightning III, Party II
- **7 Built-In Pixel FX**: Color Fade, Color Cycle, One Pixel Chase, Two Pixel Chase, Three Pixel Chase, Rainbow, Pixel Fire
- **Supports SidusPro® FX**: Including Manual FX, System FX, Picker FX, Magic Program, and Music FX
- Save up to **10 Custom FX** and **10 Music FX**
- **Frequency Selection** to Reduce Flicker
- Included **Carrying Case**
- **Available in 8-Light Kit Configurations**
- **Optional Light Control Accessories**: 1) Softbox, 2) 45° Slip-On Light Control Grid

<sup>1</sup> INFINIBAR Includes 1 Straight Connector. Remaining 9 Connectors Sold Separately

<sup>2</sup> Aputure Active USB-C to 5-Pin DMX In & Out Adapter Sold Separately

## What's in the Box

| Name                                | Qty |
|-------------------------------------|-----|
| INFINIBAR PB6                       | 1   |
| 48W DC Power Adapter (3m)           | 1   |
| AC Locking Power Cable (1.5m)       | 1   |
| Magnetic Spacer                     | 2   |
| INFINIBAR Clamp to Baby Pin Adapter | 1   |
| INFINIBAR Straight Connector        | 1   |
| 5mm Hex Wrench                      | 1   |
| Carrying Case                       | 1   |

## Product Description

The INFINIBAR Pixel Bar is Aputure's first RGBWW full-color LED pixel bar. Featuring 48 pixels, intuitive mounting and connecting options with an infinite blending design, an integrated battery, and advanced connectivity methods, the INFINIBAR PB6 is a 2-foot (60cm) pixel bar that excels in constructing unique, colorful designs that bring scenes to life in new and exciting ways.

The INFINIBAR's most unique feature is the ability to link multiple 1ft, 2ft, or 4ft INFINIBARs together using 10 differently-shaped connectors<sup>1</sup> to design creative shapes and effects. Users can operate multiple INFINIBARs using one power supply when linked by the power-sharing connectors or use their internal batteries for greater versatility. The pixel bar's infinite blending design also eliminates visible gaps between fixtures to create seamless pixelated effects using the PB6's 48 RGB pixels.

Featuring advanced wireless connectivity, the INFINIBAR PB6's 48 pixels can be grouped and controlled via Sidus Link, LumenRadio CRMX, or through wired DMX using Aputure's USB-C to DMX Adapter.<sup>2</sup> It also incorporates critical color controls (including advanced HSI with white-point adjustability, RGB, and xy) for full creative freedom. Toggle between 9 built-in System FX and 7 built-in Pixel FX, or save up to 20 Custom FX in the Sidus Link app for easy access to different light modes.

The INFINIBAR PB6's proprietary RGBWW chipset produces stunning color quality throughout its wide CCT range of 2,000K to 10,000K with full green-magenta adjustment, and can reproduce >90% of colors within the Rec.2020 Color Space. Matching Aputure's high standards for color, the INFINIBAR PB6 also produces accurate skin tones, measuring scores of CRI: 96+, TLCI: 98+, SSI (D56): 74, and SSI (Tungsten): 85.

With its lightweight yet durable aluminum housing, the INFINIBAR PB6 provides ultimate flexibility across all shooting environments. Whether linked together or used independently, the INFINIBAR's built-in magnets, INFINIBAR Rail and Baby Pin Clamp system, and two 1/4-20in threads allow the PB6 to be mounted with ease. And with its built-in 29.6Wh Lithium battery, the INFINIBAR PB6 can operate at its 14W max output for 100 minutes, making it a versatile and compact fixture for your lighting toolkit.

<sup>1</sup> Each INFINIBAR Includes 1 Straight Connector. Remaining 9 Connectors Sold Separately

<sup>2</sup> Aputure Active USB-C to 5-Pin DMX In & Out Adapter Sold Separately

## Target Audience

Aputure INFINIBARs are ideal lights for cinematographers and lighting designers who need adaptable and precise fixtures. The INFINIBARs are designed to be key lights, built directly into sets, or used with its connector ecosystem to create new shapes and designs, making these lights a great choice for professionals looking to create dynamic lighting setups.

Professionals who work on volume stages or in product cinematography, where detailed lighting and high pixel density are critical, would also benefit from the INFINIBAR PB6's 48 pixels across its 2-foot-long frame.

The INFINIBAR's connector ecosystem and various mounting options also make it ideal for users who need to build unique lighting structures, place lights within a scene, or in hard-to-reach places.

The INFINIBAR PB6's flat illumination surface makes this light perfect for users who want a more directional light with less wrap but love the form factor of traditional 2-foot tube lights. Coupled with the separately available INFINIBAR PB6 control grid, this light be shaped even further while still maintaining a minimal footprint on set.

For users who require professional connectivity options, the INFINIBAR PB6 offers Sidus Link app control, LumenRadio CRMX, and DMX connectivity via an optional USB-C adapter.

The INFINIBAR PB6 is the ultimate tool for any filmmaking professionals who needs a precise, pixel-capable fixture that offers a large suite of professional tools, wireless connectivity options, and limitless mounting and rigging possibilities.

## INFINIBAR PB6 Photometrics

| CCT     | Dis. | Photometrics      |
|---------|------|-------------------|
| 2,000K  | 0.5m | 635 lux / 59 fc   |
|         | 1m   | 200 lux / 19 fc   |
| 2,700K  | 0.5m | 935 lux / 87 fc   |
|         | 1m   | 282 lux / 26 fc   |
| 3,200K  | 0.5m | 940 lux / 87 fc   |
|         | 1m   | 288 lux / 27 fc   |
| 4,300K  | 0.5m | 978 lux / 91 fc   |
|         | 1m   | 301 lux / 28 fc   |
| 5,600K  | 0.5m | 1,026 lux / 95 fc |
|         | 1m   | 317 lux / 29 fc   |
| 6,500K  | 0.5m | 1,048 lux / 97 fc |
|         | 1m   | 328 lux / 30 fc   |
| 7,500K  | 0.5m | 1,046 lux / 97 fc |
|         | 1m   | 328 lux / 30 fc   |
| 10,000K | 0.5m | 960 lux / 89 fc   |
|         | 1m   | 288 lux / 27 fc   |
| Red     | 0.5m | 189 lux / 16 fc   |
|         | 1m   | 78 lux / 7 fc     |
| Green   | 0.5m | 608 lux / 56 fc   |
|         | 1m   | 188 lux / 17 fc   |
| Blue    | 0.5m | 97 lux / 9 fc     |
|         | 1m   | 39 lux / 4 fc     |



## Sales & Shipping Information

| Product Name       | Aputure INFINIBAR PB6                         |               |
|--------------------|-----------------------------------------------|---------------|
|                    | SKU                                           | EAN           |
| EU Plug            | APM0300A1H                                    | 6971842184583 |
| UK Plug            | APM0300A1K                                    | 6971842184606 |
| Packing Dimensions | 68.2 x 12.5 x 12.5cm / 26.85 x 4.92 x 4.92in  |               |
| Net Weight         | 2.03kg / 4.48lbs                              |               |
| Gross Weight       | 3.46kg / 7.63lbs                              |               |
| Carton Quantity    | 6pcs                                          |               |
| Carton Dimensions  | 69.5 x 39.5 x 27 cm / 27.36 x 15.55 x 10.63in |               |
| Carton Weight      | 22.2kg / 48.94lbs                             |               |

## INFINIBAR PB6 Specifications

|                                |                                                                  |                                           |
|--------------------------------|------------------------------------------------------------------|-------------------------------------------|
| CCT                            | 2,000K – 10,000K                                                 |                                           |
| CRI                            | 96+                                                              |                                           |
| TLCI                           | 98+                                                              |                                           |
| CQS                            | 96                                                               |                                           |
| SSI (D56)                      | 74                                                               |                                           |
| SSI (Tungsten)                 | 85                                                               |                                           |
| TM-30 RF (Average)             | 94                                                               |                                           |
| TM-30 RG (Average)             | 103                                                              |                                           |
| Color Chipset                  | RGBWW                                                            |                                           |
| Beam Angle (Half-Peak)         | 120°                                                             |                                           |
| Lumens                         | 1,110lm                                                          |                                           |
| Max Power Output               | 14W                                                              |                                           |
| Max Power Consumption          | Fixture                                                          | 18W                                       |
|                                | Power Supply                                                     | 20W                                       |
| Operating Voltage & Current    | Fixture                                                          | 24V, 0.9A                                 |
|                                | Power Supply                                                     | 100V-240V 50/60Hz, 1.5A                   |
| Battery Capacity               | 7.4V, 4000mAh, 29.6Wh                                            |                                           |
| Battery Life                   | Approx. 100 Mins @ Max Output                                    |                                           |
| Charge Time                    | Approx. 120 Mins (24V/1A)                                        |                                           |
| Pixel Mapping                  | 48 Pixels                                                        |                                           |
| Operating Temperature          | -10°C ~ 45°C / 14°F ~ 113°F                                      |                                           |
| Control Methods                | Sidus Link App, DMX/RDM via USB-C <sup>1</sup> , LumenRadio CRMX |                                           |
| Wireless Range                 | Bluetooth                                                        | ≤80m / ≤262.5ft                           |
|                                | LumenRadio                                                       | ≤100m / ≤328.1ft                          |
| IP Rating                      | IP 20                                                            |                                           |
| Screen Type                    | OLED                                                             |                                           |
| Firmware Upgradeable           | Sidus Link, USB-C                                                |                                           |
| Cooling Method                 | Passive Cooling                                                  |                                           |
| Mounting                       | INFINIBAR Rail                                                   |                                           |
| Dimensions                     | Fixture                                                          | 60.4 x 4.5 x 4.3cm / 23.8 x 1.8 x 1.7in   |
|                                | Fixture + Spacer                                                 | 60.4 x 4.5 x 5.2cm / 23.8 x 1.8 x 2.1in   |
|                                | AC Power Supply                                                  | 12.0 x 5.3 x 3.2cm / 4.7 x 2.1 x 1.3in    |
|                                | Clamp                                                            | 12.2 x 5.5 x 4.0cm / 4.8 x 2.2 x 1.6in    |
|                                | Case                                                             | 68.2 x 12.5 x 12.5cm / 26.9 x 4.9 x 4.9in |
| Weight                         | Fixture                                                          | 1.0kg / 2.2lbs                            |
|                                | Fixture + Spacer                                                 | 1.13kg / 2.49lbs                          |
|                                | AC Power Supply                                                  | 0.49kg / 1.08lbs                          |
|                                | Clamp                                                            | 0.27kg / 0.60lbs                          |
|                                | Total                                                            | 1.89kg / 4.17lbs                          |
| Estimated LED Lifetime (L70)   | 50,000 Hours                                                     |                                           |
| Est. Color Shift Over Lifetime | 2% Over 6,000 Hours                                              |                                           |
| Certifications                 | CE, FCC, KC, NCC, ROHS, RCM, ICES, UKCA, PSE                     |                                           |

<sup>1</sup> Aputure Active USB-C to 5-Pin DMX In & Out Adapter Sold Separately