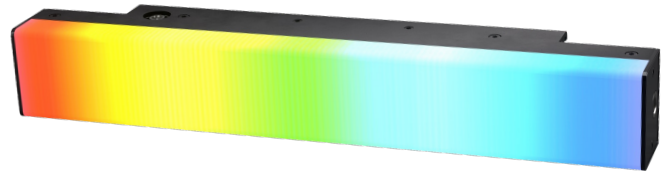




# INFINIBAR PB3 Data Sheet



## Main Features

- 1-Foot (30cm) 6.5W RGBWW Full Color LED Pixel Bar
- 24 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. 120 Min Battery Life With Built-In Battery (14.8Wh)
- Smart Battery Life Mode: Preset Timer at 2/4/6/8 Hour Increments
- 0-100% Brightness Control at 0.1% Increments
- Fully Tunable CCT from 2,000K-10,000K + G/M Adjustment
- CRI:  $\geq 96$ , TLCI:  $\geq 98$ , TM-30 Rf (Avg.) = 94, TM-30 Rg (Avg.) = 103, SSI(D56)  $\geq 74$ , SSI(Tungsten)  $\geq 85$
- $\geq 90\%$  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
- 23 Built-In DMX Profiles: Supports DMX Loss Behavior
- 9 Built-in System 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
- 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 PB3	1
48W DC Power Adapter (3m)	1
AC Locking Power Cable (1.5m)	1
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 24 pixels, intuitive mounting and connecting options with an infinite blending design, an integrated battery, and advanced connectivity methods, the INFINIBAR PB3 is a 1-foot (30cm) pixel bar that excels in building and creating 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 PB3's 24 RGB pixels.

Featuring advanced wireless connectivity, the INFINIBAR PB3's 24 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 PB3'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 PB3 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 PB3 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 PB3 to be mounted with ease. And with its built-in 14.8Wh Lithium battery, the INFINIBAR PB3 can operate at its 6.5W max output for 120 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

## INFINIBAR PB3 Photometrics

CCT	0.5m	1.0m
2,000K	448 lux / 42 fc	85 lux / 8 fc
2,700K	486 lux / 45 fc	127 lux / 12 fc
3,200K	512 lux / 48 fc	130 lux / 12 fc
4,300K	540 lux / 50 fc	137 lux / 13 fc
5,600K	545 lux / 51 fc	144 lux / 13 fc
6,500K	544 lux / 51 fc	145 lux / 13 fc
7,500K	544 lux / 51 fc	145 lux / 13 fc
10,000K	497 lux / 46 fc	135 lux / 13 fc
Red	111 lux / 10 fc	40 lux / 4 fc
Green	353 lux / 33 fc	98 lux / 9 fc
Blue	56 lux / 5 fc	20 lux / 2 fc



## 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.

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 PB3 is also ideal for those who want to output seamless pixel chases using the fixture's 24 RGB pixels or simulate media in environments such as virtual production, music videos, or product cinematography. Its flat surface gives lighting designers more options with a more directional output and unique look than tube lights when used as an in-camera practical.

For users who require professional connectivity options, the INFINIBAR PB3 offers Sidus Link app control, LumenRadio CRMX, and DMX connectivity via an optional USB-C adapter.

The INFINIBAR PB3 is the ultimate tool for any filmmaking professionals who want a compact LED bar fixture with precise pixel-mapping with limitless design and configuration possibilities.



## Sales & Shipping Information

Product Name	Aputure INFINIBAR PB3	
	SKU	UPC
US Plug	APS0300A1G	6971842184521
EU Plug	APS0300A1H	6971842184538
AU Plug	APS0300A1J	6971842184545
UK Plug	APS0300A1K	6971842184552
JP Plug	APS0300A1L	6971842184569
Packing Dimensions	54 x 13 x 12.3cm 21.3 x 5.12 x 4.84in	
Net Weight	1.59kg / 3.51lbs	
Gross Weight	2.71kg / 5.97lbs	
Carton Quantity	8 pcs	
Carton Dimensions	56 x 55 x 26.5cm 22.05 x 21.65 x 10.43in	
Carton Weight	22.9kg / 50.49lbs	

## INFINIBAR PB3 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	RBGWW	
Beam Angle (Half-Peak)	120°	
Lumens	485lm	
Max Power Output	6.5W	
Max Power Consumption	Fixture	9W
	Power Supply	10W
Operating Voltage & Current	Fixture	24V, 0.5A
	Power Supply	100V-240V 50/60Hz, 1.5A
Battery Capacity	7.4V, 2000mAh, 14.8Wh	
Battery Life	Approx. 120 Mins @ Max Output	
Charge Time	Approx. 120 Mins (24V/1A)	
Pixel Mapping	24 Pixels	
Operating Temperature	-10°C ~ 45°C / 14°F ~ 113°F	
Control Methods	Sidus Link App, DMX/RDM <sup>1</sup> , LumenRadio CRMX	
Wireless Operating 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	30.4 x 4.5 x 4.3cm / 12.0 x 1.8 x 21.7in
	Fixture + Spacer	30.4 x 4.5 x 5.2cm / 12.0 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	54 x 13 x 12.5cm / 21.3 x 5.1 x 4.9in
Weight	Fixture	0.60kg / 1.32lbs
	Fixture + Spacer	0.73kg / 1.61lbs
	AC Power Supply	0.49kg / 1.08lbs
	INIFIBAR Clamp	0.27kg / 0.60lbs
	Case (Empty)	818g / 1.80lbs
Est. 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