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INFINIBAR PB12 Data Sheet

Main Features

- **4-Foot** (120cm) **27W RGBWW Full Color LED Pixel Bar**
- **96 Individual Pixels** (Lighting Zones)
- **Infinite Blending Design** to Reduce Visible Gaps When Connecting Multiple Lights
- **10 Splicing Connectors**[1]: 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. 80 Min Battery Life** at Max Output (59.2Wh)
- **Smart Battery Life Modes:** Adjust Runtime to 2/4/6/8 Hours
- **0-100% Brightness Control** in 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[2], LumenRadio CRMX
- **32 Built-In DMX Profiles:** Supports DMX Loss Behaviors
- **9 System FX:** Fireworks II, Fire II, Paparazzi II, Faulty Bulb II, TV III, Pulsing III, Cop Car III, Lightning III, Party II
- **7 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 Lighting Control Accessories:** 1) Softbox, 2) 45° Slip-On Light Control Grid

[1] INFINIBAR Includes 1 Straight Connector. Remaining 9 Connectors Sold Separately
[2] Aputure Active USB-C to 5-Pin DMX In & Out Adapter Sold Separately

What's in the Box

Name	Qty
INFINIBAR PB12	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 96 pixels, intuitive mounting and connecting options with an infinite blending design, an integrated battery, and advanced connectivity methods, the INFINIBAR PB12 is a 4-foot (120cm) 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[1] 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 PB12's 96 RGB pixels.

Featuring advanced wireless connectivity, the INFINIBAR PB12's 96 pixels can be grouped and controlled via Sidus Link, LumenRadio CRMX, or through wired DMX using Aputure's USB-C to DMX Adapter.[2] 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 PB12'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 PB12 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 PB12 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 ¼-20in threads allow the PB12 to be mounted with ease. And with its built-in 59.2Wh Lithium battery, the INFINIBAR PB12 can operate at its 27W max output for 80 minutes, making it a versatile fixture for your lighting toolkit.

[1] Each INFINIBAR Includes 1 Straight Connector. Remaining 9 Connectors Sold Separately
[2] 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 PB12's 96 pixels across its 4-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 PB12'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 4-foot tube lights. Coupled with the separately available INFINIBAR PB12 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 PB12 offers Sidus Link app control, LumenRadio CRMX, and DMX connectivity via an optional USB-C adapter.

The INFINIBAR PB12 is the perfect light for any filmmaker or creator who needs a precise, pixel-capable fixture that offers a large suite of professional tools, wireless connectivity options, and limitless mounting and rigging possibilities.

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INFINIBAR PB12 Photometrics

CCT	Dis.	Photometrics
2,000K	0.5m	975 lux / 91 fc
	1m	350 lux / 33 fc
2,700K	0.5m	1,350 lux / 125 fc
	1m	532 lux / 49 fc
3,200K	0.5m	1,410 lux / 131 fc
	1m	542 lux / 50 fc
4,300K	0.5m	1,500 lux / 139 fc
	1m	564 lux / 52 fc
5,600K	0.5m	1,600 lux / 149 fc
	1m	593 lux / 55 fc
6,500K	0.5m	1,650 lux / 153 fc
	1m	607 lux / 56 fc
7,500K	0.5m	1,650 lux / 153 fc
	1m	617 lux / 57 fc
10,000K	0.5m	1,510 lux / 140 fc
	1m	563 lux / 52 fc
Red	0.5m	227 lux / 21 fc
	1m	85 lux / 8 fc
Green	0.5m	793 lux / 74 fc
	1m	297 lux / 28 fc
Blue	0.5m	131 lux / 12 fc
	1m	49 lux / 5 fc

Sales & Shipping Information

Product Name	Aputure INFINIBAR PB12	
	SKU	EAN
EU Plug	APL0300A1H	6971842184637
UK Plug	APL0300A1K	6971842184651
Packing Dimensions	127.7 x 13 x 12.5cm / 50.28 x 5.12 x 4.92in	
Net Weight	2.96kg / 6.53lbs	
Gross Weight	5.19kg / 11.44lbs	
Carton Quantity	4pcs	
Carton Dimensions	129 x 27.5 x 27.5cm / 50.79 x 10.83 x 10.83in	
Carton Weight	22.27kg / 49.1lbs	

INFINIBAR PB12 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		2,077lm
Max Power Output		27W
Max Power Consumption	Fixture	36.5W
	Power Supply	40W
Operating Voltage & Current	Fixture	24V, 1.8A
	Power Supply	100V-240V 50/60Hz, 1.5A
Battery Capacity		7.4V, 8000mAh, 59.2Wh
Battery Life		Approx. 80 Mins @ Max Output
Charge Time		Approx. 150 Mins (24V/2.67A)
Pixel Mapping		96 Pixels
Operating Temperature		-10°C ~ 45°C / 14°F ~ 113°F
Control Methods		Sidus Link App, DMX/RDM via USB-C[1], LumenRadio CRMX
Wireless Range	Bluetooth	≤80m / ≤262.5ft
	LumenRadio	≤100m / ≤328.1ft
IP Rating		IP 20
Display Type		OLED
Firmware Upgradeable		Sidus Link, USB-C
Cooling Method		Passive Cooling
Mounting		INFINIBAR Rail
Dimensions	Fixture	1,204 x 45 x 43mm / 47.4 x 1.77 x 1.69in
	Fixture + Spacer	120.4 x 4.5 x 5.2cm / 47.4 x 1.77 x 2.05in
	AC Power Supply	12.0 x 5.3 3.2cm / 4.72 x 2.09 x 1.26in
	INFINIBAR Clamp	12.2 x 5.5 x 4.0cm / 4.8 x 2.17 x 1.57in
	Case	127.7 x 13.0 x 12.5cm / 50.0 x 5.1 x 4.9in
Weight	Fixture	1.96kg / 4.31lbs
	Fixture + Spacer	2.09kg / 4.61lbs
	AC Power Supply	0.49kg / 1.08lbs
	INFINIBAR Clamp	0.27kg / 0.60lbs
	Total	2.85kg / 6.28lbs
Estimated LED Lifetime (L70)		50,000 Hours
Est. Color Shift Over Lifetime (CCT)		2% Over 6,000 Hours
Certifications		CE, FCC, KC, NCC, ROHS, RCM, ICES, UKCA, PSE

[1] Aputure Active USB-C to 5-Pin DMX In & Out Adapter Sold Separately