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INFINIBAR PB12 8-Light Kit Data Sheet

Main Features

- **8-Light Kit with 4ft** (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)
- **Simultaneously Charge Multiple INFINIBARs** with Included Power Adapter with 8-Way Splitters
- Included **Flight Case** and **8x 45° Slip-On Light Control Grid**
- **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
- **Optional Softbox** for Added Lighting Control

[1] INFINIBAR Includes 8 Straight Connectors. Remaining 9 Connectors Sold Separately
[2] Aputure Active USB-C to 5-Pin DMX In & Out Adapter Sold Separately

Product Description

The INFINIBAR PB12 8-Light Kit includes eight of Aputure's first 4-foot (120cm) full-color LED pixel bars. Featuring 96 pixels, intuitive mounting and connecting options with an infinite blending design, an integrated battery, and advanced connectivity methods, the INFINIBAR PB12 excels in constructing unique, colorful designs that bring scenes to life in new and exciting ways.

The 8-Light Kit expands this expansive multitool's capabilities, with not only eight times the available light, but also additional power cables, adapters, and light control grids in a sturdy flight case to extend your creative possibilities. And in addition to charging each light individually, the 8-Light Kit is equipped with a 330W Power Adapter with 8-Way Splitters that can simultaneously charge all fixtures.

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.

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INFINIBAR PB12 Photometrics

CCT	0.5m	1.0m
2,000K	975 lux / 91 fc	350 lux / 33 fc
2,700K	1,350 lux / 125 fc	532 lux / 49 fc
3,200K	1,410 lux / 131 fc	542 lux / 50 fc
4,300K	1,500 lux / 139 fc	564 lux / 52 fc
5,600K	1,600 lux / 149 fc	593 lux / 55 fc
6,500K	1,650 lux / 153 fc	607 lux / 56 fc
7,500K	1,650 lux / 153 fc	617 lux / 57 fc
10,000K	1,510 lux / 140 fc	563 lux / 52 fc
Red	227 lux / 21 fc	85 lux / 8 fc
Green	793 lux / 74 fc	297 lux / 28 fc
Blue	131 lux / 12 fc	49 lux / 5 fc

What's in the Box

Name	Qty
INFINIBAR PB12	8
48W DC Power Adapter (3m)	8
AC Locking Power Cable (4m)	1
AC Locking Power Cable (1.5m)	8
330W Power Adapter with 8-Way Splitters	1
Magnetic Spacer	16
INFINIBAR Clamp to Baby Pin Adapter	8
INFINIBAR Straight Connector	8
5mm Hex Wrench	1
INFINIBAR PB12 45° Light Control Grid	8
Flight Case	1

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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 8-Light Kit gives professionals the additional tools they need to utilize more lights for building large arrays of unique lighting structures and supply power to multiple fixtures simultaneously with the larger power supply, all in a sturdy flight case that is ready for grip trucks and film sets.

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 included INFINIBAR PB12 control grids, these 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 8-Light Kit 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.

Sales & Shipping Information

Product Name	Aputure INFINIBAR PB12 8-Light Kit	
	SKU	**EAN**
EU Plug	APL0300AX2	6971842185580
UK Plug	APL0300AX4	6971842185603
Packing Dimensions	127.7 x 13 x 12.5cm / 50.28 x 5.12 x 4.92in	
Net Weight	26.8kg / 59.08lbs	
Gross Weight	53.1kg / 117.07lbs	
Carton Quantity	1 pc	
Carton Dimensions	143 x 59 x 21cm / 56.30 x 23.22 x 8.27in	
Carton Weight	53.1kg / 117.07lbs	

INFINIBAR PB12 8-Light Kit 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