



# INFINIBAR PB12 4-Light Kit

## Data Sheet

### Main Features

- **4-Light Kit of 4ft (120cm) 27W RGBWW Full Color LED Pixel Bars**
- **96 Individual Pixels** (Lighting Zones)
- **Infinite Blending Design** to Reduce Visible Gaps When Connecting Multiple Lights
- **Newly Designed Protective Hard Case** for Easy Transportation and Organized Storage of INFINIBAR PB6s and Accessories
- **10 Splicing Connectors** and **4 Passive Connectors**<sup>1</sup>
- **Share AC Power Over Multiple INFINIBARs** w/ Splicing Connectors
- Includes **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 New 330W Power Adapter with 4-Way Splitters
- Includes **New 5.5mm DC Barrel Male to Male Power Cables** (20cm)
- Included **Hard Case** and **4x 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<sup>2</sup>, 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

### 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

<sup>1</sup> Includes 4 Straight Connectors. Remaining 9 Connectors Sold Separately

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



### Product Description

The INFINIBAR PB12 4-Light Kit includes four of Aputure's 4-foot (120cm) full-color LED pixel bars efficiently packed in a protective case designed to also hold a comprehensive suite of INFINIBAR accessories. 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 4-Light Kit expands this expansive multitool's capabilities, with not only four times the available light, but also additional DC male-to-male power cables, adapters, and light control grids in a sturdy hard case to extend your creative possibilities. And in addition to charging each light individually, the 4-Light Kit is equipped with a 330W Power Adapter with 4-Way Splitters that can simultaneously charge all fixtures in or out of the case.

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 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.<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 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 1/4-20in 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.

### What's in the Box

Name	Qty
INFINIBAR PB12	4
330W DC Power Adapter	1
48W DC Power Adapter (3m)	2
AC Locking Power Cable (1.5m)	3
5.5mm DC Barrel Male to Male Power Cable (20cm)	4
5.5mm DC Barrel 4-Way Splitter Cable	1
INFINIBAR Clamp to Baby Pin Adapter	4
INFINIBAR Straight Connector	4
1/4-20" Eyebolt	8
5mm Hex Wrench	1
INFINIBAR PB12 45° Light Control Grid	4
Hard Case	1



## Target Audience

The INFINIBAR PB12 4-Light Kit is ideal for cinematographers, lighting technicians, and lighting designers who need a portable and comprehensive set of highly adaptable linear lights.

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 4-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 4-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 4-Light Kit	
	SKU	UPC
US Plug	APL0300AXR	6971842187577
EU Plug	APL0300AXS	6971842187584
AU Plug	APL0300AXT	6971842187591
UK Plug	APL0300AXU	6971842187607
JP Plug	APL0300AXV	6971842187614
Packing Dimensions	136.5 x 41.0 x 26.5cm / 53.74 x 16.1 x 10.4in	
Net Weight	27.08kg / 59.7lbs	
Gross Weight	32.57kg / 71.8lbs	
Carton Quantity	1 pcs	
Carton Dimensions	140.5 x 44.5 x 30.8cm / 55.3 x 17.5 x 12.1in	
Carton Weight	32.57kg / 71.8lbs	

## INFINIBAR PB12 4-Light Kit Specifications

CCT	2,000K – 10,000K	
CRI / TLCI	96+ / 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 Fixture Consumption	36.5W	
Operating Voltage & Current	Fixture	24V, 1.8A
	48W PSU	100V-240V 50/60Hz, 1.5A
	330W PSU	100V-240V 50/60Hz, 2.5A
Battery Capacity	7.4V, 8000mAh, 59.2Wh	
Battery Life	Approx. 80 Mins @ Max Output	
Charge Time	Approx. 150 Mins (24V/2.67A)	
Pixel Count	96 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	
Display Type	OLED	
Firmware Upgradeable	Sidus Link, USB-C	
Cooling Method	Passive Cooling	
Mounting	INFINIBAR Rail	
Dimensions	Fixture	120.4 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
	48W Power Supply	12.0 x 5.3 3.2cm / 4.72 x 2.09 x 1.26in
	330W Power Supply	19.8 x 9.9 x 3.0cm / 10.6 x 3.9 x 1.2in
	INFINIBAR Clamp	12.2 x 5.5 x 4.0cm / 4.8 x 2.17 x 1.57in
	Hard Case	136.5 x 41.0 x 26.5cm / 53.74 x 16.1 x 10.4in
Weight	Fixture	1.96kg / 4.31lbs
	Fixture + Spacer	2.09kg / 4.61lbs
	48W Power Supply	0.49kg / 1.08lbs
	330W Power Supply	909g / 2.00lbs
	INFINIBAR Clamp	0.27kg / 0.60lbs
Hard Case (Empty)	20kg / 44.1lbs	
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	

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