



# amaran PT4c Data Sheet

## Main Features

- **4ft (120cm) Battery Powered RGBWW Color LED Pixel Tube**
- **16 Independently Controllable Pixels** (LED Engines)
- **Built-In 77Wh Lithium-Ion Battery (Approx. 170 min. Runtime @ Max Power)**
- **Supports USB PD 32W Fast Charging**
- **5-Sided Endcaps** for Quick Positioning
- **3/8-16in Mounting Points on Each End Cap** for Additional Rigging Options
- Fully Tunable **CCT** from **2,700K to 10,000K**
- CRI: **95**, TLCI: **98**, TM-30 Rf (ave.): **92**, TM-30 Rg (ave.): **100**, SSI (D56): **75**, SSI (Tungsten): **85**
- **Fully Tunable Green-Magenta** Adjustment (Full Plus/Minus Green)
- **Advanced HSI** with White Point **CCT Control**
- **Sidus Link** Bluetooth App Control
- **DMX Control** via USB-C with **14 Built-In DMX Profiles** & DMX Loss Behaviors<sup>1</sup>
- **9 System FX:** Fireworks, Fire, Paparazzi, Faulty Bulb, TV, Pulsing, Cop Car, Lightning, Party Lights
- **7 Pixel FX:** Color Fade, Color Cycle, One Pixel Chase, Two Pixel Chase, Three Pixel Chase, Rainbow, Pixel Fire
- **Smooth Diffusion** for High-Output Blended Color
- Included **Threaded Magnetic Brackets, Mini Tripod Floor Stands, & Eyebolts** for Additional Mounting Options
- Included 2x **amaran USB-C to DMX Adapter with USB-C Input**
- Included **Carrying Case**

<sup>1</sup> amaran USB-C to DMX Adapter with USB-C Input Sold Separately

## Target Audience

The amaran PT4c is ideal for filmmakers and lighting designers who need a full-size battery-powered tube light that is capable of producing unique pixel effects and enough output to light a scene, but do not need the ultra-high pixel density, ultra-thin bezels, and LumenRadio CRMX available in products like the Aputure MT Pro.

Filmmakers who need the spread, power, and shape that only a full-size tube light can provide will appreciate the sleek design of the PT4c. Measuring 4-feet (120cm) in length, it matches the most common tube form factors and T12 housings on the market, compared to non-standard full-size variants. At twice the length of the PT2c and T2c, the PT4c is a better tool for casting light across wider areas or acting as a larger in-camera practical to add life to a scene and can match the PT2c's 170-minute runtime at maximum output.

The 4-foot tube light has been an industry standard for years and is a popular form factor for lighting designers who want clean, linear reflections and soft, wrapping light. As such, the PT4c shines as an all-in-one practical, key, fill, and edge light for their subjects.

Particularly for filmmakers who want more unique FX or who specialize in product cinematography and photography, the PT4c's multi-pixel array is one of its standout features. Each of the PT4c's 16 pixels can be independently controlled and assigned HSI values via the free Sidus Link mobile app or DMX with the USB-C to DMX Adapter with USB-C Input (sold separately).

Its clean construction & interface, built-in battery, multiple pixels, and accessory & Sidus Link app ecosystems make the PT4c a strong addition to any filmmaker or lighting designer's toolkit.



## Product Description

The amaran PT4c is a 4-foot battery-powered pixel tube that is part of amaran's first-ever full-color LED pixel tube series. The Pixel Tube series is comprised of a family of 1-foot, 2-foot, and 4-foot lengths – all featuring multiple Pixel FX, RGBWW color quality, Sidus Link app & DMX<sup>1</sup> control, and USB-C rechargeable batteries packed into their sleek & slender form factor. At 4 feet in length, the amaran PT4c is an expansive and powerful tube light that adds waves of color to a scene.

For greater control and color chasing capabilities, the PT4c features 16 built-in pixels that can be independently adjusted via the Sidus Link app and 7 pre-programmed Pixel FX for a variety of scenarios, in addition to 9 System FX.

As a full-color fixture, the PT4c's RGBWW LED chipset produces stellar color quality and accurate skin tones throughout its CCT range of 2,700K to 10,000K with full green-magenta control, achieving high CRI [95], TLCI [98], and SSI values across the board, with an SSI (Tungsten) of 85 and SSI (D56) of 75.

Inside its sleek T12 form factor, the PT4c is powered by a 77Wh internal lithium-ion battery for up to 170 minutes of maximum output. By utilizing a ubiquitous USB-C port, the PT4c can be easily charged, and can even fast charge at 32W using USB-C PD to reach full capacity in approximately 3 hours.

Complementing its simple design, each PT4c comes with two clear, 3/8-16in threaded magnetic T12 brackets to make mounting as easy as possible. Use the magnets to attach the pixel tube to ferromagnetic surfaces or add a 3/8-16in spigot or baby pin to mount it to a light stand. The clear design of the brackets ensures that the mounting solutions do not interfere with the quality or output of the light.

For additional mounting options, each endcap houses a 3/8-16in threaded mount. The possibilities are endless, with the ability to use splicing connectors<sup>2</sup> to arrange the tubes in multiple 3D shapes, like with the amaran T2c/T4c.

The PT4c can be controlled from the new interface on the back of the tube, featuring the latest UI, or via the Sidus Link Bluetooth app that powers the rest of the Aputure and amaran product lines. This ultra-capable application can control all the lights in the scene, activate stunning lighting effects, and ensure that the Pixel Tubes are always up to date. For more advanced console controls, a Wired USB-C to 5-Pin XLR In & Out DMX Dongle<sup>1</sup> unlocks DMX control for the entire Pixel Tube product line, like the amaran T2c/T4c and F-Series products.

Combining layers of functionality, battery power, high-quality color, and a high transmittance diffuser that produces a wide 180° beam angle, the versatile mid-sized Pixel Tube from amaran shines as an effects, fill, accent light, and so much more. Lastly, for that extra touch of lighting control, the 45° Fabric Light Control Grid<sup>3</sup> will hone the quality of the light to perfection.



<sup>1</sup> amaran USB-C to DMX Adapter with USB-C Input Sold Separately

<sup>2</sup> amaran Pixel Tube Splicing Connectors Sold Separately

<sup>3</sup> 45° Fabric Light Control Grid for amaran PT4c Sold Separately

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## amaran PT4c Photometrics

CCT	0.5m	1.0m
2,700K	867 lux / 81 fc	303 lux / 28 fc
3,200K	868 lux / 81 fc	306 lux / 28 fc
4,300K	897 lux / 83 fc	316 lux / 29 fc
5,600K	956 lux / 89 fc	332 lux / 31 fc
6,500K	955 lux / 89 fc	330 lux / 31 fc
7,500K	902 lux / 84 fc	322 lux / 30 fc
10,000K	842 lux / 78 fc	297 lux / 28 fc
Red	516 lux / 48 fc	191 lux / 18 fc
Green	768 lux / 71 fc	275 lux / 26 fc
Blue	172 lux / 16 fc	61 lux / 6 fc

## What's in the Box

Name	Qty
amaran PT4c	1
45W Power Adapter with USB-C PD Power Cable (1.8m)	1
Magnetic T12 Bracket	2
3/8-16in Eyebolt	1
Carrying Case	1



## Sales & Shipping Information

Product Name	amaran PT4c	
	SKU	UPC
US Plug	AP40012A10	6971842185221
EU Plug	AP40012A11	6971842185238
AU Plug	AP40012A13	6971842185252
UK Plug	AP40012A12	6971842185245
JP Plug	AP40012A14	6971842185269
Packing Dimensions	125.5 x 11 x 10cm / 49.4 x 4.33 x 3.94in	
Net Weight	1.73kg / 3.81lbs	
Gross Weight	2.90kg / 6.39lbs	
Carton Quantity	6pcs	
Carton Dimensions	129 x 26 x 34cm / 50.79 x 2.36 x 13.39in	
Carton Weight	18.54kg / 40.98lbs	

## amaran PT4c Specifications

CCT	2,700K – 10,000K	
CRI (@ 5,600K)	95	
TLCI (@ 5,600K)	98	
CQS (@ 5,600K)	96	
SSI (D56)	75	
SSI (Tungsten)	85	
TM-30 RF (@ 5,600K)	92	
TM-30 RG (@ 5,600K)	100	
Max Power Output	23W	
Max Power Consumption	32W	
Pixel Mapping	16 Pixels	
Lumens	1402lm	
Beam Angle	180°	
Charging Input	USB Type-C PD 32W	
Power Supply	Voltage	USB PD 5V/9V/12V/15V/20V
	Cable Length	1.8m
Battery Voltage	14.8V	
Battery Capacity	5200mAh, 77Wh	
Battery Runtime	Approx. 170 Mins @ 100% Output Approx. 228 Mins @ 75% Output Approx. 321 Mins @ 50% Output Approx. 776 Mins @ 10% Output	
Charge Time	Approx. 190 Mins (20V/1.6A)	
Operating Temperature	-10°C ~ 40°C / 14°F ~ 104°F	
Control Methods	On-board, Sidus Link App, DMX via USB Type-C (Sold Separately)	
Firmware Upgradeable	Sidus Link	
Wireless Operating Range	≤80m / ≤262.5ft (Bluetooth)	
Screen Type	TFT	
IP Rating	IP20	
Cooling Method	Passive Cooling	
Dimensions	Fixture	φ42 x 1200 mm / φ1.65 x 47.24in
	Magnetic T12 Bracket	54 x 46 x 42mm / 2.12 x 1.81 x 1.65in
	Power Adapter	58 x 58 x 29mm / 2.28 x 2.28 x 1.14in
	Eyebolt	36 x 20 x 40mm / 1.42 x 0.79 x 1.57in
	Carrying Case	1250 x 110 x 100mm 49.21 x 4.33 x 3.94in
Weight	Fixture	1.375kg / 3.03lbs
	Magnetic T12 Bracket	54g / 0.12lbs
	Power Adapter	185g / 0.41lbs
	Eyebolt	41g / 0.09lbs
	Total with Case	2.629kg / 5.79lbs