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amaran 100x S Data Sheet

Main Features

- **Ultra-High Color Quality** 100W Output Bi-Color Bowens Mount Point-Source LED
- **Upgraded High SSI LEDs:** SSI (Tungsten): **89+**, SSI (D56): **87+** — Significantly Improved Spectral Continuity and Light Quality
- **Increased CRI, TLCI, TM-30 and SSI Scores** for Super Accurate Color Rendering
- CRI: **95+**, TLCI: **97+**, TM-30 Rf: **96**, TM-30 Rg: **102**
- **Up to 30,500 lux @ 1m** with Hyper Reflector @ 5,600K
- **Universal Bowens Accessory Mount**
- Bi-Color CCT: **2,700K to 6,500K**
- **Sidus Link** App Control
- **Stepless Dimming** from **0-100%**
- Built-in **Umbrella Holder**
- Integrated **Silent Cooling** System
- **Compact & Lightweight** Lamp Head
- **Easy to Operate** Minimalist **User Interface**
- Click Control Knob to **Toggle Through Intensity or CCT Presets**
- **9 Built-in Lighting FX:** Paparazzi, Fireworks, Lightning, Faulty Bulb, TV, Pulsing, Strobe, Explosion, & Fire
- **48V DC Power Input:** AC & Battery Power Options
- **3m Long Power Supply Cable**

Target Audience

With its ultra-high color quality, all-in-one build for convenient operation, and versatile power options, the amaran 100x S is perfect for videographers, indie filmmakers, creators, and photographers who need a lightweight fixture without sacrificing exceptional spectral and image quality.

For creators lighting home studios or livestream setups, the significantly improved spectral quality of the 100x S in both warm white and daylight color temperatures will ensure accurate skin tone reproduction with industry-leading color quality. And as a fully integrated fixture, its 100W output is an ideal key light for talking heads and small subjects, while still being easy to manage and stow away when not in use.

Its universal Bowens Mount can be paired with a variety of modifiers, such as the included Bowens Mount Hyper Reflector, making it a fantastic multi-tool for soft or intense lighting for filmmakers and photographers alike. And its silent cooling system will never interfere with any scenario, whether creating content at home or on-the-move.

For maximum convenience and efficiency, on location or in the studio, users can wirelessly control the 100x S with the Sidus Link mobile app. Finetune your lighting settings, activate Lighting FX, or control multiple lights in a scene to enhance any lighting design.

The compact versatility of the 100x S makes it an essential addition to any filmmaker, creator, or photographer's lighting arsenal.

Product Description

The amaran 100x S is a 100W bi-color Bowens Mount point-source light with integrated controls, versatile power options, and an upgraded LED chipset for increased color quality and spectral reproduction.

Featuring an all-new dual-blue LED chipset design, the 100x S has improved spectral continuity to achieve stunning spectral reproduction of an ultra-high SSI (Tungsten) of 89 and SSI (D56) of 87, a 17.5% increase in SSI from its predecessor. The 100x S also features super accurate color rendering, with increased CRI [95], TLCI [97], TM-30 RF [96], and TM-30 RG [102] values.

Equipped with a universal Bowens Mount, the 100x S is compatible with the largest selection of modifiers on the market, including the Light Dome SE, Light Dome Mini II, and Aputure Lantern, making it an incredibly versatile multi-tool. For additional versatility, the 100x S features an umbrella mount integrated into the lamp head.

Matching the all-in-one build of its predecessor, the 100x S contains a powerhouse LED that can output 30,500+ lux at 1 meter when paired with the Hyper Reflector. Its simple and compact form factor houses an intuitive LCD screen and control knob interface that seamlessly blends into the body of the fixture, with the ability to adjust the light in 1% increments and tune the light from 2,700K to 6,500K.

Using its integrated Sidus Mesh technology, the 100x S can be controlled wirelessly via the Sidus Link app, granting it access to 9 lighting effects, including Paparazzi, Fireworks, Lightning, Faulty Bulb, TV, Pulse, Strobe, Explosion, and Fire.

In addition to the included AC Power Supply, its 48V DC power input grants the 100x S with the flexibility of battery power using two Gold or V-Mount batteries with the Aputure 2-Bay Battery Power Station*, providing versatile power options for seamless workflows across all shooting environments.

* Aputure 2-Bay Battery Power Station Sold Separately

What's in the Box

Name	Qty
amaran 100x S	1
Bowens Mount Protection Cover	1
Bowens Mount Hyper Reflector	1
AC Power Supply	1
AC Power Cable	1

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amaran 100x S Photometrics

CCT	Dis.	No Reflector	Hyper Reflector
2,700K	1m	2,760 lux / 256 fc	22,470 lux / 2,088 fc
	3m	324 lux / 30 fc	2,422 lux / 225 fc
	5m	126 lux / 12 fc	856 lux / 80 fc
3,200K	1m	3,410 lux / 317 fc	28,180 lux / 2,618 fc
	3m	405 lux / 38 fc	2,970 lux / 276 fc
	5m	157 lux / 15 fc	1,066 lux / 99 fc
4,300K	1m	3,590 lux / 334 fc	29,670 lux / 2,756 fc
	3m	426 lux / 40 fc	3,160 lux / 294 fc
	5m	164 lux / 15 fc	1,137 lux / 106 fc
5,600K	1m	3,640 lux / 338 fc	30,500 lux / 2,834 fc
	3m	433 lux / 40 fc	3,240 lux / 301 fc
	5m	166 lux / 15 fc	1,156 lux / 107 fc
6,500K	1m	3,170 lux / 295 fc	26,080 lux / 2,423 fc
	3m	377 lux / 35 fc	2,824 lux / 262 fc
	5m	166 lux / 15 fc	1,005 lux / 93 fc

amaran 100x S Specifications

CCT	2,700K – 6,500K
CRI	95+
TLCI	97+
CQS	97+
SSI (D32)	89+
SSI (D56)	87+
TM-30 RF (Average)	96
TM-30 RG (Average)	102
Max Power Consumption	113W
Max Power Output	100W
Lumens	8,788lm
Beam Angle	No Reflector	110.4°
	Hyper Reflector	17.9°
Operating Voltage	DC Power Supply	48V / 2.5A
	AC Power Supply	100V ~ 240V / 2.7A
Operating Temperature	-10°C ~ 40°C / 14°F ~ 104°F
Storage Temperature	-20°C ~ 80°C / -4°F ~ 176°F
Control Methods	On-board, Sidus Link App
Firmware Upgradeable	Sidus Link
Wireless Operating Range (Bluetooth)	≤80m / ≤262.5ft
Screen Type	LCD
Cooling Method	Active Cooling
Dimensions	Lamp Head w/o Mounting Bracket	207 x 115 x 115cm 81.5 x 45.3 x 45.3in
	Lamp Head w/ Mounting Bracket	207 x 119 x 200cm 81.5 x 46.9 x 78.7in
	Power Supply	137.3 x 59.1 x 36.1mm 5.41 x 2.33 x 1.42in
	Power Cable	300cm / 11.8.11in
Weight	Lamp Head	1.42kg / 3.13lbs
	Power Supply	490g / 1.08lbs
	Total with Case	3.287kg / 7.25lbs

Sales & Shipping Information

Product Name	amaran 100x S	
	SKU	**UPC**
US Plug	APM021XA10	6971842185788
UK Plug	APM021XA11	6971842185795
AU Plug	APM021XA12	6971842185801
EU Plug	APM021XA13	6971842185818
JP Plug	APM021XA14	6971842185825
Packing Dimensions	38.3 x 27.4 x 24.3cm 15.08 x 10.79 x 9.57in	
Net Weight	2.425kg / 5.35lbs	
Gross Weight	3.287kg / 7.25lbs	
Carton Quantity	1 pc	
Carton Dimensions	40.2 x 29 x 26.2cm 15.83 x 11.42 x 10.31in	
Carton Weight	3.843kg / 8.47lbs	