



amaran Ray 660c One Sheet

Main Features

- **660W output full color COB light with integrated AC power**
- **All-in-one design for studio creators:** Streamlined, monolight-style design powered by a single AC cable – first full-color COB in its power class
- **True-to-life, OmniColor light engine:** Enhanced, fuller color spectrum with expanded red and blue ranges for cleaner whites, truer skin tones, and more accurate color
- **Powerful, studio-quality output:** Up to **38,500 lux @ 1m (bare)** – highest-output amaran COB light to date
- **DMX control via USB-C:** Integrate into industry-standard consoles and software with optional USB-C to DMX Adapter¹
- **IP54 weather-resistant design:** Dust & splash resistant – ideal for wind, light rain, sand, or humidity
- Adaptive control with **FlowTurn knob:** Tactile feedback when adjusting lighting settings with speed or precision
- Instant, one-tap pairing to the amaran app via **built-in NFC:** Streamline multi-light setups in advance or before rigging overhead – even before powering on
- **2,300K to 10,000K ultra-wide adjustable color temperature** (1,800K to 20,000K CCT with CCT+ Mode)
- **Green-magenta adjustment** for color-accurate skin tones
- Recreate any color **with 360° full color control:** HSI (hue, saturation, intensity) and RGB color modes
- **Color accurate light:** CRI: **95+**, TLCI: **95+**, TM-30 Rg: **100**, TM-30 Rf: **94**, SSI (Tungsten): **87**, SSI (D56): **80**
- **Metal, full-size Bowens Mount** compatible with included Reflector, optional Fresnel, & other Bowens Mount modifiers
- **Yoke design** for **precise rotation** of lamp head with **dual junior / baby pin receiver** for easy mounting to light stands
- Built-in **safety chain bracket** for added security & protection
- Instantly adjust light settings in **Quick Operation Mode**
- Long press and double click **Custom Shortcuts**
- **High-Speed Photography Mode** and **Studio Mode**
- **0-100% stepless** brightness control
- **12 lighting FX:** Fireworks, Faulty Bulb, Lightning, TV, Pulsing, Strobe, Explosion, Fire, Paparazzi, Welding, Cop Car, Party Lights
- Adjustable **Silent or Smart fan mode**
- **Low fan noise:** Max 28dBA at max. output
- **Simplified, colored menu screen** for easy operation
- Light effortlessly with wireless **amaran app control**

¹ amaran USB-C to 5-Pin DMX In & Out Adapter sold separately.

What's in the Box

Name	Qty
amaran Ray 660c	1
amaran Reflector	1
amaran AC Power Cable (5m)	1
amaran Blue Bowens Mount Protection Cover	1
amaran Ray 660c EPP Carrying Case	1



Product Description

Designed for home studios and on-location spaces that need more punch, the amaran Ray 660c is a 660W full-color point-source LED light powered by the OmniColor light engine – delivering true-to-life color and powerful, studio-quality output in a streamlined, monolight design that runs on a single AC cable. With DMX control via USB-C and an IP54-rated build for real-world shoots, the amaran Ray 660c keeps setups simple and efficient – from larger studios to expansive outdoor spaces.

All-in-one design for studio simplicity. The amaran Ray 660c is the first full-color COB in its power class to integrate the power supply directly into the light, so you can start creating faster with just a single AC cable. With fewer components to carry, store, and mount – and eliminating bulky, external power bricks to manage – this all-in-one, monolight design keeps your setup efficient and clutter-free.

True-to-life color with OmniColor. Powered by the OmniColor light engine, the amaran Ray 660c reproduces light that looks true-to-life – both on camera and to the eye. Building on amaran's previous full-color chipset, OmniColor expands the red and blue ranges to deliver a fuller, more balanced spectrum of light – achieving SSI scores of 87 (Tungsten) and 80 (D56). What you see is what you capture: cleaner whites, truer skin tones, and more accurate color that stays consistent on camera.

Powerful, studio-quality output for larger spaces. Whether lighting subjects or filling expansive studios, the amaran Ray 660c delivers up to 38,500 lux at 1m without accessories – the highest-output amaran COB light to date – giving you flexibility to light farther back, use larger softboxes, and fill wider frames. Boost your output with the included Reflector, extend your throw with the optional Fresnel, or soften your light with optional Bowens Mount softboxes.

DMX control via USB-C for advanced workflows. From podcasts to music video sets, add DMX control via the optional USB-C to 5-Pin DMX In & Out Adapter¹ to integrate the amaran Ray 660c with industry-standard consoles and software. Whether programing precise cues, syncing multi-light looks, or triggering repeatable scenes, DMX control via USB-C lets you scale into advanced studio workflows when needed.

Instant, effortless controls. When you need quick, hands-on control, the amaran Ray 660c makes setup and adjustments faster – on the light or in the amaran app. Use the FlowTurn knob to fine-tune one step at a time when you need precision or spin quickly to accelerate through settings when efficiency is key. In the amaran app, pair your amaran Ray 660c or multiple lights in the Ray family with just a tap via built-in NFC – even before turning it on.



amaran Ray 660c Photometrics

CCT	Dis.	No Accessories	Reflector	Octa Dome 90 ¹	Dis.	Fresnel (Spot) ¹	Fresnel (Flood) ¹
2,300K	1m	24,640 lux / 2,289 fc	58,800 lux / 5,463 fc	16,650 lux / 1,547 fc	3m	20,230 lux / 1,879 fc	4,250 lux / 394 fc
	3m	2,860 lux / 266 fc	5,870 lux / 545 fc	1,141 lux / 106 fc	5m	7,420 lux / 689 fc	1,627 lux / 151 fc
3,200K	1m	36,300 lux / 3,372 fc	86,900 lux / 8,073 fc	24,620 lux / 2,287 fc	3m	29,900 lux / 2,778 fc	6,310 lux / 586 fc
	3m	4,220 lux / 392 fc	8,670 lux / 805 fc	1,682 lux / 156 fc	5m	10,990 lux / 1,021 fc	2,414 lux / 224 fc
4,300K	1m	38,500 lux / 3,577 fc	91,600 lux / 8,510 fc	26,060 lux / 2,421 fc	3m	31,700 lux / 2,945 fc	6,680 lux / 621 fc
	3m	4,470 lux / 415 fc	9,180 lux / 853 fc	1,776 lux / 165 fc	5m	11,640 lux / 1,081 fc	2,558 lux / 238 fc
5,600K	1m	37,900 lux / 3,521 fc	90,400 lux / 8,398 fc	25,700 lux / 2,388 fc	3m	31,300 lux / 2,908 fc	6,600 lux / 613 fc
	3m	4,420 lux / 410 fc	9,010 lux / 837 fc	1,751 lux / 163 fc	5m	11,500 lux / 1,068 fc	2,525 lux / 235 fc
6,500K	1m	37,400 lux / 3,475 fc	88,900 lux / 8,259 fc	25.210 lux / 2,342 fc	3m	30,900 lux / 2,871 fc	6,490 lux / 603 fc
	3m	4,350 lux / 404 fc	8,860 lux / 823 fc	1,717 lux / 160 fc	5m	11,310 lux / 1,051 fc	2,474 lux / 230 fc
10,000K	1m	35,600 lux / 4,150 fc	84,400 lux / 7,841 fc	24,080 lux / 2,237 fc	3m	29,450 lux / 2,736 fc	6,230 lux / 579 fc
	3m	4,150 lux / 386 fc	8,440 lux / 784 fc	1,635 lux / 152 fc	5m	10,790 lux / 1,002 fc	2,370 lux / 220 fc
Red	1m	5,790 lux / 538 fc	TBD	TBD	3m	TBD	TBD
	3m	TBD	TBD	TBD	5m	TBD	TBD
Green	1m	22,350 lux / 2,076 fc	TBD	TBD	3m	TBD	TBD
	3m	TBD	TBD	TBD	5m	TBD	TBD
Blue	1m	3,140 lux / 292 fc	TBD	TBD	3m	TBD	TBD
	3m	TBD	TBD	TBD	5m	TBD	TBD

amaran Ray 660c Specifications

CCT	Standard	2,300K - 10,000K
	Expanded (CCT+)	1,800K – 20,000K
CRI		95+
TLCI		95+
SSI (Tungsten)		87
SSI (D56)		80
TM-30 RG (Average)		100
TM-30 RF (Average)		94
Max Power Output		660W
Max Power Consumption		750W
Color Chipset		OmniColor
Lumens		45,904 lumens
Weather Resistance Rating		IP54
Beam Angle	No Reflector	70°
	Reflector	45°
Operating Voltage		AC 100V - 240V / 50 - 60Hz
Max Noise Level		28dBA (30°C / 86°F)
Operating Temperature		-10°C - 40°C / 14°F - 104°F
Storage Temperature		-20°C - 80°C / -4°F - 176°F
Control Methods		On-board, amaran App, DMX ²
Firmware Upgradeable		amaran App, USB-C
Wireless Operating Range		≤80m / ≤262.5ft (Bluetooth)
Screen Type		TFT
Cooling Method		Active Cooling

¹ amaran Octa Dome 90 and amaran Fresnel sold separately.
² amaran USB-C to 5-Pin DMX In & Out Adapter sold separately.

Dimensions	Fixture w/o Yoke	29.9 x 18.6 x 17.9cm 11.79 x 7.31 x 7.05in
	Fixture w/ Yoke	29.9 x 24.1 x 42.0cm 11.79 x 9.49 x 16.54in
	AC Power Cable	5m / 16.40ft
	Carrying Case	59.7 x 35.5 x 32.0cm 23.50 x 13.98 x 12.60in
Weight	Fixture	5.7kg / 12.57lbs
	Carrying Case	1.11kg / 2.45lbs

Sales & Shipping Information

Product Name	amaran Ray 660c	
	SKU	UPC
amaran Ray 660c (CN)	MP00050196	6977162453262
amaran Ray 660c (US)	MP000000197	6977162453279
amaran Ray 660c (UK)	MP00040198	6977162453286
amaran Ray 660c (EU)	MP00010199	6977162453293
amaran Ray 660c (JP)	MP0002019A	6977162454320
amaran Ray 660c (AU)	MP0003019B	6977162450780
Packing Dimensions	56.8 x 31.0 x 31.3cm 22.36 x 12.20 x 12.32in	
Net Weight	6.402kg / 14.11lbs	
Gross Weight	7.622kg / 16.80lbs	
Carton Quantity	2 pcs	
Carton Dimensions	61.0 x 35.0 x 61.0cm 24.02 x 13.78 x 24.02in	
Carton Weight	17.56kg / 38.71lbs	