



Tambora Rays

Tambora



#

Volumetric effects are taken to the extreme! Tambora Rays redefines what's possible in lighting design. As the latest addition to the Tambora family, Tambora Rays **combines innovation, light output, and creativity**. It features **9x3 rows of high-power RGBWW LEDs with pixel-to-pixel control**, allowing you to manage 27 individual LEDs for stunning lighting effects. **Versatile and Easy to Use** This **compact** powerhouse can be used in grids, stage borders, vertical or horizontal arrays, or flying bars. Its design is compatible with Tambora Flash and Stormy, enabling creative combinations for impressive visual effects. **Dynamic Control With Advanced Layer Management**, multiple effects are created simultaneously. Mix and match three effects' layers, seamlessly switching between background colors, macro sequences, and external video content for dynamic and engaging shows. **Dramatic Visual Impact** Tambora Rays' **high output and long-throw focused narrow beam** create dramatic aerial effects, for highlighting key moments. The **7° narrow beam angle** can be modified with optional accessories like frost filters and barndoors for precise control. **Superior Performance and Reliability** The **state-of-the-art optical design** ensures superior performance, precision, and exceptional color quality. Built to last, Tambora Rays is part of the **IP66-rated** Shield family, making it waterproof, dustproof, and maintenance-free for indoor and outdoor use. **Built to last** Energy-efficient and easy to maintain, Tambora Rays significantly **reduces operating costs**. Ideal for TV studios, tours, and theatrical environments, its sleek design and advanced pixel mapping capabilities add a distinctive flair to your setups. Tambora Rays offers exceptional event lighting for both indoor and outdoor applications. Delivering professional performance, outstanding reliability, and great value, it truly shines.

Specifications

- **Light Source**
27x 40W RBGWW LEDs
- **Light Output**
up to 19,000 lm



- **Zoom range**
7° beam aperture
- **Effects**
Advanced Layer Management; Electronic dimmer; Electronic strobe @30 f/sec; Single Pixel mapping and strobe split into 27 different segments.

Light Source Type

Source type

27 LEDs RGBW W x 40W

CRI

Up to 80

LED life expectancy

50.000 Hrs L70*

*It may vary depending on various factors, as type of use and environment

Photometric Data

Lumen output

23702 Lm (Integrating Sphere)

Beam angle

- 13,7° : 10%
- 7,1° : 50%

Optical system

High efficiency

Noise Level

Controlled by

Able to control linearly the speed of the fans

Fixed presets



- Auto: 46.3 dB
- Silent: 32.5 dB
- Theatre: 32.2 dB
- Constant: 51.4 dB

Control and Connections

Personalities

- Main engine: 3 modes with 10 / 32 / 26 control channels
- Pixels engine : 2 modes with 108 control channels

Protocols

DMX, Art-Net, sACN, RDM, Webserver

Connectors

- Locking 5 pin XLR IN/OUT
- RJ45 IN/OUT

Power connector

PowerCon True1 IN/OUT

Web Server

Built In

CloudIO

Fully compatible

Dynamic Effects

Colours

- Advanced layers management (color, internal shape, pixel mapping (3 x 9))
- Linear CTO 2700K to 8000K
- Individual control of 27 LEDs
- Pre-programmed shape selection of static and dynamic patterns, and dynamic patterns, adjustable in color, speed, direction, fade and strobe



Strobe

Electronic strobe from 1 to 30f/sec

Dimmer/Shutter

High resolution electronic dimmer 16Bit, 5 curves

Hardware and Software

- Long life self charging battery
- Display Graphic LCD backlit b/w Display
- Firmware upload from another fixture
- Firmware Upgrade via Web Server
- Diagnostic
- DMX monitoring
- Remote access through RDM

Housing

- Magnesium housing
- IP66 protection rate
- Working in any position
- Advanced mechanics for horizontal and vertical combination
- Hanging system: with fast-lock omega clamps (1/4 turn) on the base
- Optional safety chain

Electrical

Operating Voltage

100-240V, 50/60 Hz

Power Supply

Electronic auto range with active PFC

Max power consumption

- 720 W @100V 7.2A
- 700 W @240V 3.2A

Thermal Specification

Max ambient temperature



45°C (113°F)

Min ambient temperature

-20°C (-4°F)

Max temperature of the external surface

90°C (194°F)

Total heat dissipation

2460 BTU/hr \pm 10% / 2592 kJ/hr \pm 10%

Safety Specs

Minimum distance of illuminated objects

0,5 m (1'8")

Minimum distance from flammable materials

0.2 meters (8")

Protections

- Thermally protected power supply (overheating and cooling failure)
- Forced ventilation with axial fans
- External mains fuse T 15A 250V
- External fuse for battery T3A 250V

Compliance [Expected]

CE Marking (in conformity to the following)

- 2014/35 EU Safety of electrical equipment supplied at low voltage (LVD)
- 2014/30/EU Electromagnetic compatibility of equipment (EMC)
- 2011/65/EU Restriction of the use of certain hazardous substances (RoHS)
- 2009/125/EC EcoDesign requirements for Energy related Products (ErP)

UKCA conforms to UK regulations



- S.I. 2016 N. 1101
- S.I. 2016 N. 1091
- S.I. 2012 N. 3032
- S.I. 2021 N. 745

cMETus Listed

- UL 1573:2003
- CSA C22.2 N. 166: 2015

Packaging

Carton box + polystyrene

Carton box + Foam shell

Flight case + Foam shell

Weight - Size

Weight

- 10,44 Kg
- 23,02 lbs

Dimensions without handle

- 497 x 180 x 186 mm
- 19,56 x 7,08 x 7,32 In

Dimensions with handle

- 537 x 180 x 244 mm
- 21,14 x 7,08 x 9,61 In

Accessories

Omega bracket

183102-805 (Included)

ETL Power

CAB02B-802 (Included)*

* Cord 1.5 m (bare end with IP65 PowerConTrue1 conn.)

Connecting Bracket



Kit	3038000102 (Optional)
Aliscaf holder	CA3031000102 (Optional)
Ground Supporter Straight	CA3044000102 (Optional)
Ground Supporter Inclined	CA3043000102 (Optional)
Ground Stander	CA3042000102 (Optional)
Snoot	CA3076000102 (Optional)
Flash inter. Aliscaff	CA3077000102 (Optional)
Foam shell	F21350-001 (Optional)
Flight case (4 position)	CF1020F (Optional)
Safety Chain	105041-003 (Optional)



Barndoor

CA3064000102 (Optional)

Top Hat

CA3065000102 (Optional)

**Frost filters
(Optional)**

- 10°: CA3054000102
- 15°: CA3055000102
- 20°: CA3056000102
- 30°: CA3057000102
- 40°: CA3058000102
- 50°: CA3059000102
- 80°: CA3060000102
- Neutral: CA3061000102
- 60° x 10°: CA3062000102
- 10° x 60°: CA3063000102

Safety chain

105041/003 (Optional)

Clamp

C21070 (Optional)