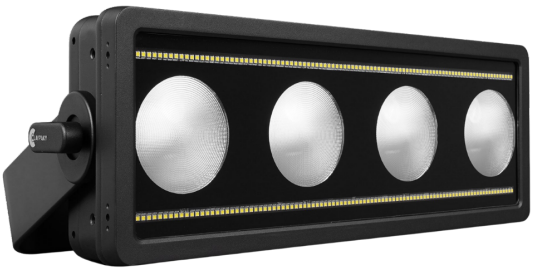
Tambora Flash

Tambora



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Tambora Flash is a **hybrid fixture** that can act simultaneously **as a strobe, wash, and blinder**, specifically **designed with a modular approach for use in line array**, to offer new creative opportunities to lighting designers. Following its successful range of LED bars, Claypaky has expanded the Tambora family further and introduced the **Tambora Flash**. The **strobe section** is based on **two strips of very powerful white LEDs** and a large beam angle aperture, capable of bringing a real impactful light into the show. The **blinder and the wash functions** are obtained thanks to **4 large central RGBWW LED reflectors of 100W each**, individually controllable in each function through the **Advanced Layer Management**. The Warm White LEDs allow the “warm” effect typical of blinders. However, the blinder effect can also be obtained using colored LEDs, for a more dramatic impact than usual. Both strobe and blinder effects are so visually striking that they can be perfectly appreciated in concerts and live events in broad daylight, even in bright sunlight! Tambora Flash was conceived and developed for combining **several product units horizontally and vertically**, to obtain clusters that are conceptually like the line arrays of audio systems. Its core unit is suitable for smaller venues and this is contained in a modular design that can be quickly connected to create larger units for use in big venues and stadiums. Claypaky Tambora Flashes offers two **quick coupling modes** and the adjustment of each single fixture within the cluster on a **30° angle**, to adapt to every application. The advanced mechanics and the ease of combining matrix products make Tambora Flash a **versatile and fun-to-use system**. Tambora Flash offers an **IP66 degree of protection**, guaranteeing ideal use outdoors.

Specifications

- **Light Source**
  4x 100W RBGWW LEDs and 2 lines of cold white strobe LEDs splitted into 16 areas (120° beam angles) 6000°K CCT

- **Light Output**

8,458 lm (Integrating Sphere) @ full color

- **Zoom range**
  31° reflector

- **Effects**
  Advanced Layer Management; Electronic linear dimmer; Electronic strobe @25 f/sec; Pixel mapping and strobe split into 8 different areas per line (16 in total); Individual LED control of four central RGBWW LED with reflector; Pre-programmed shape selection of static and dynamic patterns, adjustable in color, speed, direction, fade, strobe.

Light Source Type

Source type

- LED RGBWW with 31° reflectors
- 2 lines cold white strobe LEDs split into 16 areas (120° beam angles)

Power

100W (x4)

Color temperature

6000 K CCT (cold white strobe LEDs lines)

CRI

Up to 70

LED life expectancy

50.000 Hrs L70*

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

Photometric Data

Zoom

- 31°: Beam Mode
- 45°: Field Mode

Lumen output

8458 Lm (integrating sphere)

Front lens

Ø 85 mm (x4)

Optical system

High efficiency

Noise Level

Controlled by

Able to control linearly the speed of the fans

Fixed presets

- Silent mode: 36,7 dBA
- Theatre mode: 36,7 dBA
- Constant mode: 49,2 dBA
- Auto mode: 49,3 dBA

Control and Connections

Personalities

- Main engine: 5 modes with 16 / 20 / 34 / 42 / 36 control ch.
- Pixels engine: 2 modes with 12 / 16 control ch.
- Strobe engine: 1 mode with 16 control ch.

Protocols

DMX, Art-Net, RDM, sACN

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

Colors

- Advanced layers management (color, internal shape, pixel mapping + strobe)
- Pixel mapping and strobe split into 8 different areas per line (Tot. 16)
- Individual LED control of four central RGBWW LEDs with reflectors
- Pre-programmed shape selection of static and dynamic patterns, adjustable in color, speed, direction, fade and strobe
- Red shift

Dimmer/Shutter

- High resolution electronic dimmer – 24 bit, 5 curves
- Electronic strobe 25f/sec
- Strobe shape, speed, fade duration ranging from 1Hz to 25Hz

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
- Adjustable angle from 0° to 20°

- Optional safety chain

Electrical

Operating Voltage

100-240V, 50/60 Hz – In/Out Max 1(0) fixtures @ 200-240Vac (@ 100-120Vac)

In/Out MAX

1 (0) fixtures @200-240Vac (@100-120Vac)

Power Supply

Electronic auto range with active PFC

MAX power consumption

1150VA @230Vac 50Hz

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

3928 BTU/hr ±10% / 4140 kJ/hr ±10%

Saftey 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
Compliance	**CE Marking (in conformity to the following)**	• 2014/35/EU – Safety of electrical equipment supplied at low voltage (LVD) • 2014/30/EU – Electromagnetic compatibility (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 (4 position)	
Weight - Size	**Weight**	10.4 Kg (22.9 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 9,60 In

Accessories

Omega bracket	183102-805 (Included)
ETL Power	CAB02B-802* (Optional) * Cord 1.5 m (bare end with IP65 PowerConTrue1 connector)
Connecting Bracket Kit	3038000102 (Optional)
Aliscaf holder	CA3031000102 (Optional)
Ground Supporter Straight	CA3044000102 (Optional)
Ground Supporter Inclined	CA3043000102 (Optional)
Ground Stander	CA3042000102 (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