CANTATA LED FRESNEL, TCW

The Cantata LED Fresnel Tunable Cold White (TCW) is a modern LED theatrical Fresnel designed for midsized applications, offering adjustable color temperature of 4000K to 6500K, with a consistent CRI exceeding >94 CRI across the range. The Cantata LED Fresnel is also available in full color (RGBALC) and tunable warm white (2700K to 4500K) versions. Cantata uses a manually operated zoom system located on either side near the front of the luminaire, providing a smooth zoom range of 10° to 55°. The locking default standard size accessory rails located at the front of the fixture allows for further beam shaping using the optional 8 leaf barndoor or third-party accessories. To ensure these high-powered LED fixtures are suitable for use in the quietest of applications, the Cantata LED utilizes SmartFan Control technology with Standard, Studio, and Whisper modes.

- High output midsized LED theatrical luminaires - modern fixtures with quality you can trust.
- Tunable white with >94 CRI - adjust color temperature without compromising output or quality of light.
- Standard-size accessory rails to support optional 8 leaf barn door or third - party accessories- multiple, easily-accessible options to get the perfect look.

- Adjustable frequency to exceed camera frame rates - camera-friendly fixtures for IMAG, event recordings, or TV and film applications.
- Quiet operation with variable fan control (Standard, Studio, and Whisper) - perfect for use in quiet environments.

For detailed product information, please refer to the Product Guide at https://www.vari-lite.com/global/products/cantata-led-fresnel-tcw

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CANTATA_LED_FRESNEL

Specifications

Due to continuous improvements and innovations, specifications may change without notice.

Source

LED	Bichromatic Light Engine
Source Max Power Consumption	240W
Source CCT	Variable, 4000 K to 6500 K
LED Refresh Rate	12 Hz to 25kHz
Dimming	Electronic 16-bit
Dimmer Curves	Square Law (Default), Linear, S -Curve
Dimmer Control Option	Dimmer Snap On/Off
	On reduces auto dimmer smoothing
Strobe Speed	0 - 30Hz
Strobe Modes	Standard, Lightening, Random

Optical Performance

Lens Size	215 mm (9.0 in)
Beam Angle	10 - 55°
Zoom Control	Manual control
Output Lumens	Standard - 13,653
CRI RA	94
CRI R9	85
Tm30	Rf 88 / Rg 98
TLCI	93

Color System

Variable CTB	4000 K to 6500 K

Electrical

Max output Power Consumption	300 W @ 120 V, 300 W @ 240 V
Power Connection	TrueOne Compatible - In / Thru
	Power cable not included - input connector only
Input Voltage	100–240 VAC, 50 / 60 Hz

Data

Supported Protocols	DMX512-A (RDM)
DMX Modes	
16-Bit (default)	7 Channels
8-Bit	5 Channels
2 Channel	2 Channels
Manual	Dial Mode
Data Connections	5 - Pin XLR Input and Thru
Manual Preset Mode	Advanced Feature local control

Noise Level / Fan Control (Base Level 30 dB @ 1 m (3.3 ft))

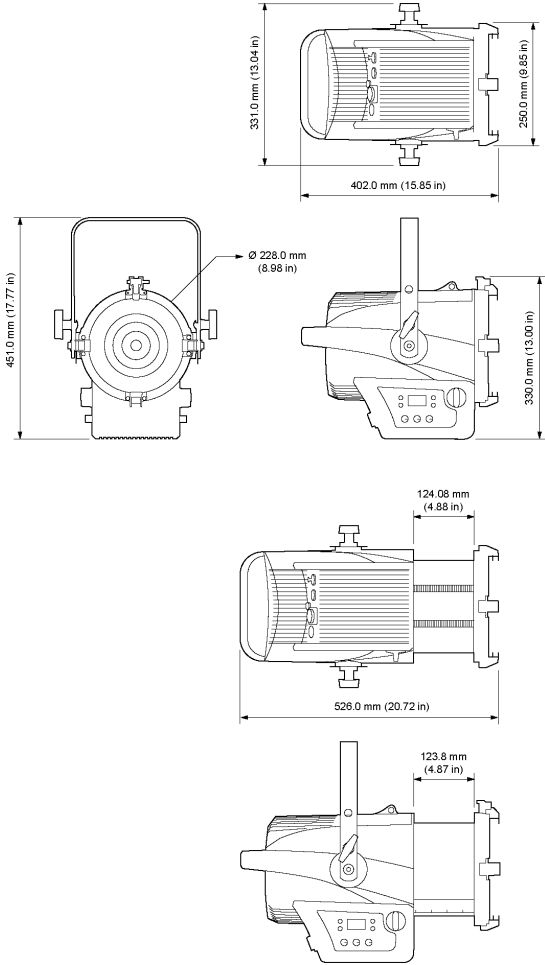|	
Standard Mode	43 dB
Studio Mode	34 dB
Whisper Mode	30 dB
Fan Mode	Continuous (On) / Auto Ramping
Fan Level Preset	Standard, Studio, Whisper
Cooling System Type	Hybrid sealed liquid and forced air system

Mounting

Yoke	Double clutch locking yoke >270° Swivel Yoke M12 (1/2") Centre hole
Fixture mounting/Hanging orientation	Hanging - Floor - Side
Secondary Safety Wire Point	1 x Safety point located on rear of fixture housing Safety Wire not included

Photometrics and IES Files

Narrow @ 5 m / 16.4 ft	7,400 lux (687 fc)
Mid @ 5 m / 16.4 ft	1,749 lux (162 fc)
Wide @ 5 m / 16.4 ft	456 lux (42 fc)
Narrow @ 10 m / 32.8 ft	1,850 lux (172 fc)
Mid @ 10 m / 32.8 ft	437 lux (41 fc)
Wide @ 10 m / 32.8 ft	115 lux (11 fc)

For IES files and photometric reports, please refer to the product page:
https://www.vari-lite.com/global/products/cantata-led-fresnel-tcw

Dimensions

Physical

Construction	Superstructure made of Aluminum, and steel metal plates, Covers Aluminum
IP Rating	IP20
Standard Finish	Black, White
Dimensions	250 x 300 x 403 mm (10.0 x 12.0 x 16.0 in)
Fixture Weight	10.0 kg (22.0 lb)
Operating Temperature	0-45°C (32-113°F)

Certification and Safety

Approbations	CE, ETL, UL, FCC CSA, RoHS, ISO 9001

Luminaire and Accessories

Product type	Order Code
CANTATA LED FRESNEL, Tunable Cold White, Black	64507-001
CANTATA LED TCW, 240w 4000 to 6500k Bichromatic Light Engine , c/w Power input connector, Black	
CANTATA LED FRESNEL, Tunable Cold White , White	64507-101
CANTATA LED TCW, 240w 4000 to 6500k Bichromatic Light Engine , c/w Power input connector, White	

Accessories	
CANTATA LED BARNDOOR	64507-004
CANTATA LED , Barn door - 8 Leaf,Black	
CANTATA LED GEL FRAME	2440118375
CANTATA LED , Gel frame	

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