

# CANTATA LED FRESNEL, TCW

Date: \_\_\_\_\_

Type: \_\_\_\_\_

Firm Name: \_\_\_\_\_

Project: \_\_\_\_\_

The Strand Cantata LED Fresnel Tunable Cold White (TCW) is a modern LED theatrical Fresnel designed for midsize applications, offering adjustable color temperature of 4000K to 7000K, 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 barn door or third-party accessories. To ensure these high-powered LED fixtures are suitable for use in the quietest of applications, the Strand Cantata LED utilizes SmartFan Control technology with Standard, Studio, and Whisper modes.



- High output midsize LED theatrical luminaires - modern fixtures with quality you can trust.
- Full Color, Warm White, and Cool White Versions with Consistent High CRI - perfect fixture for any application.
- High CRI RGBALC Color System with SmartColor Control - wide range of vivid color options that can be programmed using CYM.
- Tunable white with >94 CRI - adjust color temperature without compromising output or quality of light.
- Independent color mixing and temperature controls - match color palette to color temperature without manual adjustment for simpler programming.

- 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 [www.strandlighting.com/global/products/cantata-led-fresnel-tcw](http://www.strandlighting.com/global/products/cantata-led-fresnel-tcw)



 **Strand**

# Specifications

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

## Source

LED	Bichromatic Light Engine
Source Max Power Consumption	121 x 4.5 W
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
Tungsten Fade	Selectable on/off
Strobe	Electronic
Strobe Speed	0 - 30Hz
Strobe Modes	Standard, Lightening, Random

## Optical Performance

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

## Color System

Variable CTB	2700 K to 6500 K
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## Electrical

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

## 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	Forced Air Cooling

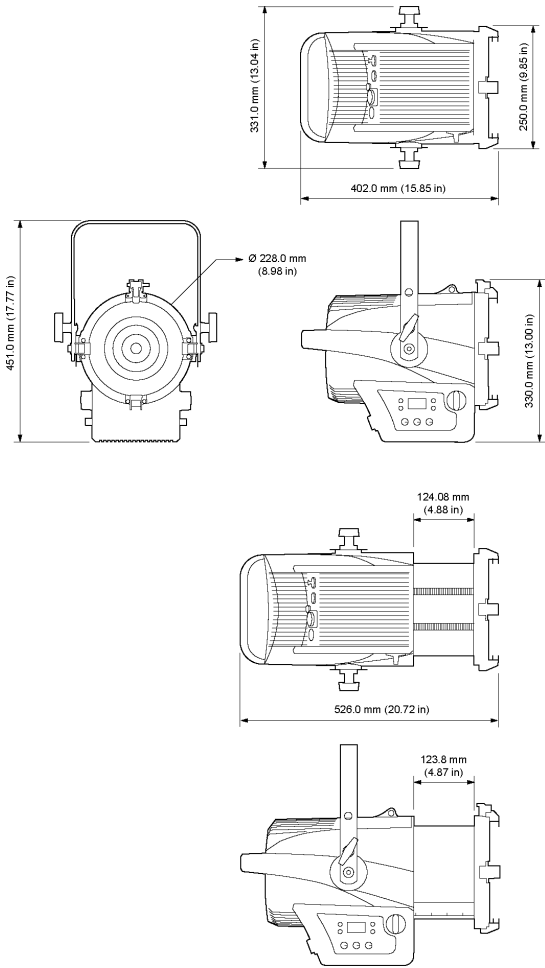
## Mounting

Yoke	Double clutch locking yoke >270° Swivel Yoke M12 (1/2") Centre hole
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## Certification and Safety

Approbations	CE, ETL, UL, FCC CSA, RoHS, ISO 9001
IP Rating	IP20

# Dimensions



## Physical

Construction	Cast aluminium
Standard Finish	Black, White
Dimensions	250 x 300 x 403 mm (10.0 x 12.0 x 16.0 in)
Fixture Weight	9.8 kg (21.6 lb)
Operating Temperature	0-45°C (32-113°F)

# Luminaire and Accessories

<b>Product type</b>	<b>Order Code</b>
CANTATA LED FRESNEL, Tunable Cold White, Black	64507-001
CANTATA LED TCW, 400w 4000 to 6500k Bichromatic Light Engine , c/w Power input connector, Black	
CANTATA LED FRESNEL, Tunable Cold White , White	64507-101
CANTATA LED TCW, 400w 4000 to 6500k Bichromatic Light Engine , c/w Power input connector, White	
<b>Accessories</b>	
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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