

# CANTATA LED FRESNEL, TCW

Date: \_\_\_\_\_  
Type: \_\_\_\_\_  
Firm: \_\_\_\_\_  
Name: \_\_\_\_\_  
Project: \_\_\_\_\_

The Strand Cantata LED Fresnel is a modern LED theatrical Fresnel designed for midsized applications. The Cantata LED is available in a full color version as well as two tunable white versions. The full color version uses an RGBALC (Red, Green, Blue, Amber, Lime & Cyan) color mixing system for a wide mixable color spectrum, but it can be easily controlled with traditional CYM controls using the SmartColor Control system. To compliment the Full Color version, two white output versions are available—a warm tunable white (2700 K to 4500 K) and cold tunable white (4000 K to 7000 K) variety— both of which offer a consistent CRI exceeding >94 CRI across all color temperatures. Each of the three Cantata fixture versions use the same 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 new high-powered LED fixtures are suitable for use in the quietest of applications, the Strand Cantata LED utilizes new fan control technology with Standard, Studio, and Whisper modes.



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



# 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 in)
CRI RA	94
CRI R9	85
Tm30	Rf 88 / Rg 98
TLCI	93
DUV (Delta UV)	-0.11356

## Color System

Variable CTB	2700 K to 6500 K
--------------	------------------

## 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) 5 - Pin XLR Input and Thru
DMX Modes	
16-Bit (default)	7 Channels
8-Bit	5 Channels
2 Channel	2 Channels
Manual	Dial Mode

## 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
Advance Fan/Noise Control	SmartFan Control User Definable Variable Speed Fan Control by DMX

## Mounting

Yoke	Double clutch locking yoke >270° Swivel Yoke M12 (1/2") Centre hole
------	--

## Certification and Safety

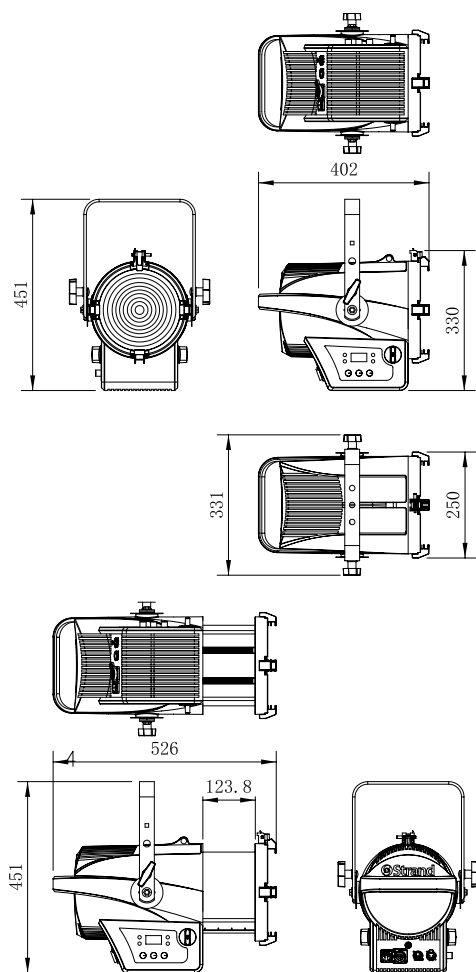
Approbations	CE, ETL, UL, FCC CSA, RoHS, ISO 9001
IP Rating	IP20

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

# 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

Product type	Order Code
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	

