



CANTATA LED FRESNEL



The Strand Cantata LED Fresnel is a modern LED theatrical Fresnel designed for mid-sized 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 (2700k to 4500k) and cold tunable white (4000k to 7000k) 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.



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FEATURES AND BENEFITS

- **High output midsized LED Fresnel** - modern theatrical fresnel 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 of warm or cold white fixtures without compromising output or quality of light
- **Independent color mixing and temperature controls** - match color pallet 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
- **Quiet operation with variable fan control (Standard, Studio, and Whisper)** - perfect for use in quiet environments
- **Adjustable frequency to exceed camera frame rates** - camera friendly fixtures for IMAG, event recordings, or TV & film applications.



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		FULL COLOR	TUNABLE WARM WHITE	TUNABLE COLOR WHITE			
SOURCE							
Type		Luxeon C RGBALC LED	2700K+4500K	4000K+6500K			
Wattage		100pcs x 3W	121pcs x 4.5W	121pcs x 4.5W			
OPTICAL PERFORMANCE							
Lens size		215mm / 8.5 in	215mm / 8.5 in	215mm / 8.5 in			
Dimming		16-bit dimming; Dim snap on/off DMX control; Tungsten amber shift optional on/off DMX control	16-bit dimming; Dim snap on/off DMX control	16-bit dimming; Dim snap on/off DMX control			
Dimming curves		Square Law Linear S-Curve	Square Law Linear S-Curve	Square Law Linear S-Curve			
CCT		2,700 - 10,000k	2700 - 4500k	4000 - 6500k			
Strobe		Standard, Lightning and Random	Standard, Lightning and Random	Standard, Lightning and Random			
Max lumen output		8700	11550	13653			
		Lux	fc	Lux	fc	Lux	fc
Narrow	5m / 16 ft	4068	378	6270	582	7400	687
	10m / 32 ft	1017	94	1056	98	1850	172
Mid	5m / 16 ft	896	83	980	91	1749	162
	10m / 32 ft	212	20	245	23	437	41
Wide	5m / 16 ft	240	22	400	37	456	42
	10m / 32 ft	66	6	100	9	115	11
CRI	RA	95 (CCT3200)		96		94	
	R9	84		80		85	
TM30-15	Rf	92		92		88	
	Rg	101		102		98	
TLCI		82		94		93	
Duv (Delta UV)		0.00045		-0.00611		-0.11356	
TV flicker free		Yes; adjustable 12 Hz-25 kHz		Yes; adjustable 12 Hz-25 kHz		Yes; adjustable 12 Hz-25 kHz	
BEAM							
Beam Angle		10-55°		10-55°		10-55°	
Zoom		Manual dial controlled		Manual dial controlled		Manual dial controlled	
Accessory holder		Dual rail locking system		Dual rail locking system		Dual rail locking system	



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	FULL COLOR	TUNABLE WARM WHITE	TUNABLE COLOR WHITE
Gel Frame Size (H x W)			
Barndoor	8 leaf option accessory	8 leaf option accessory	8 leaf option accessory
COLOR CONTROL			
Color mixing	RGBALC Direct control or CYM, CTO+ green magenta	<i>not applicable</i>	<i>not applicable</i>
CTO / CTB	Variable control 2,700 - 10,000K	Variable control 2,700 - 4,500K	Variable control 4,000 - 6,500K
Camera adjustments	Magenta / Green shift control	<i>not applicable</i>	<i>not applicable</i>
Color presets	33 predefined calibrated colors; 20 user-definable color presets	<i>not applicable</i>	<i>not applicable</i>
CONTROLS			
Control data protocols	DMX RDM	DMX RDM	DMX RDM
Data input	5-pin DMX in/thru	5-pin DMX in/thru	5-pin DMX in/thru
DMX modes	Smart Color Control - 14 Channels (default); Q Color - 4 Channels; Open Color Control - 19 Channels; Manual - Dial Mode	16-bit - 7 channels (default); 8 Bit - 5 channels; 2 Ch - 2 channels; Manual - Dial Mode;	16-bit - 7 channels (default); 8 Bit - 5 channels; 2 Ch - 2 channels; Manual - Dial Mode;
Fan control	On (continuous) or Auto	On (continuous) or Auto	On (continuous) or Auto
Fan level presets	Standard Studio Whisper	Standard Studio Whisper	Standard Studio Whisper
User variable fan control	User-definable variable fan speed level via DMX Whisper - Standard	User-definable variable fan speed level via DMX Whisper - Standard	User-definable variable fan speed level via DMX Whisper - Standard
ACOUSTIC LEVELS @ 1M FULL OPERATION*			
Standard	43	43	43
Studio	34	34	34
Whisper	30	30	30

* 30dBA base fan continuous mode



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		FULL COLOR	TUNABLE WARM WHITE	TUNABLE COLOR WHITE			
POWER							
Range		100-240VAC	100-240VAC	100-240VAC			
Connector type		Input/Thru	Input/Thru	Input/Thru			
Max wattage	120V	250W	<300W	<300W			
	240V	247W	<300W	<300W			
ENVIRONMENT							
Cooling system		Forced air cooling	Forced air cooling	Forced air cooling			
Operating temp		0-45°C	0-45°C	0-45°C			
Construction		Cast aluminium	Cast aluminium	Cast aluminium			
Standard finish		Raven Black	Raven Black	Raven Black			
IP rating		IP20	IP20	IP20			
PHYSICALS							
Yoke		Double clutch yoke with built-in short yoke adjustment	Double clutch yoke with built-in short yoke adjustment	Double clutch yoke with built-in short yoke adjustment			
DIMENSIONS (H x W x D)		mm	in	mm	in	mm	in
Fixture only		300 x 250 x 403	12 x 10 x 16	300 x 250 x 403	12 x 10 x 16	300 x 250 x 403	12 x 10 x 16
Packed		TBC	TBC	TBC	TBC	TBC	TBC
WEIGHT		kg	lb	kg	lb	kg	lb
Fixture only		9.8	21.6	9.8	21.6	9.8	21.6
Packed	Net	TBC	TBC	TBC	TBC	TBC	TBC
	Gross	TBC	TBC	TBC	TBC	TBC	TBC
SOFTWARE / FIRMWARE							
Update kit		PEGASUS	PEGASUS	PEGASUS			
WARRANTY & APPROBATIONS							
Warranty		2 Years	2 Years	2 Years			
Approvals / listings		CE, ETL, UL, FCC CSA, RoHS, ISO 9001	CE, ETL, UL, FCC CSA, RoHS, ISO 9001	CE, ETL, UL, FCC CSA, RoHS, ISO 9001			



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PRODUCT NAME	ORDER CODE
CANTATA LED TCW, Tunable Cold White Fresnel c/w power input connector	64507-001
CANTATA LED TWW, Tunable Warm White Fresnel c/w power input connector	64507-002
CANTATA LED FC, Full Color Fresnel c/w power input connector	64507-003

ACCESSORIES	ORDER CODE
CANTATA LED, 8 Leaf Barndoor	64507-004
CANTATA LED Gel Frame	2440118375

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