

## C3S

SERPENTINE LED LINEAR ACCENT LIGHTING, LOW-POWER  
REMOTE POWER SYSTEM



### APPLICATION

C3S LED linear lighting produces uniform illumination designed to accent and highlight small spaces featuring curves and corners, such as small coves, under cabinets or millwork. The 3" articulating modules have multi-directional flexibility to provide seamless illumination along even the most intricate structures. Designed with modular CLiP<sup>®</sup> (Configurable Lighting Platform), C3S provides options to suit multiple application requirements. The serpentine C3S may be connected to Tempo's rigid C3R providing an elegant solution for combined curved and straight-run applications.

### CONSTRUCTION

- Designed with non-ferrous components and mounting brackets. Meets MRI room requirements
- Join sections and create continuous runs from one power supply
- Easily replaceable LED arrays
- Self-adhesive, flexible mounting track required for permanent installation
- Quick wire connection devices available as options
- CSA damp location listed

### OPTICS / LENS / DIFFUSER

- Standard convex, lightly frosted lens
- Half round, lightly frosted lens with high diffusion film

### POWER SYSTEM

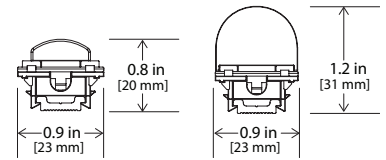
- Utilizes remote, Class II low voltage 12Volt or 24Volt Power Supply. Power supplies must be installed in an approved enclosure (by others) in close proximity to luminaire. Consult factory for guidance.
- Dimming options available

### PERFORMANCE

- Standard module spacing of 3" nominal on center. CLiP<sup>™</sup> - Configurable Lighting Platform module spacing options of 4", 6" & 8" on center available for specific applications. Consult factory.
- Light output ranges from 200 to 300 lm/ft (nominal) based on Watts/ft selection
- Dense Pack (DP) LED spacing (3.3W/ft only) places more LED's closer together in each 3" module for high uniformity illumination.
- Operating temperature range of -20°C to 50°C
- Rated for a minimum of 86,000 hours (L85) at 25°C ambient operating temperature
- Power Supply Total Harmonic Distortion <20%, Power Factor >0.9

### LIGHT CHARACTERISTICS

- Available in 1600K, 2200K, 2700K, 3000K, 3500K, 4000K, 5000K plus Red, Green, Blue and Amber
- Typical CRI of 80+, 90+ CRI option available with 2700K, 3000K and 3500K selection
- LED's are selected and placed on the printed circuit boards via Tempo Industries' UniBin<sup>™</sup> process which ensures consistent hue and color within the entire run. Color variations are held to a minimum, within a 2-step MacAdam ellipse.



### WARRANTY

Tempo provides a 5-year limited warranty.



### PERFORMANCE SUMMARY All data nominal. 3500K test data shown.

Watts/ft	2.0	3.3
Lumens/ft	200	300
Lumens/Watt	100	91

\*Based on use of (1) 60W power supply

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### ORDERING INFORMATION

Example: 25ft C3S00-12-2004-20ST27S-LG

25 feet of C3S00, 12" increment, 1/2 Round lens, 4" O.C., 2.0 W/Ft, Std LED Spacing, 2700K, Std UniBin, Light Gray

	C3	S	0	0	12							LG
Length in Feet <sup>1</sup>	PLATFORM					PERFORMANCE			LIGHT CHARACTERISTICS			
	Series	Platform	Profile	Type	Increment Length	Optic/Lens/Diffuser	Module Spacing	Watts/Foot	LED Spacing	ColorTemp	Attribute	Finish
	C3	S Serpentine	0 Rect.	0 Symmetric	12 12" base increment	10 Convex lens, lightly frosted 21 1/2 Round lens + high diffusion film	03 3" O.C. 04 4" O.C. 06 6" O.C. 08 8" O.C.	20 <sup>2</sup> 2.0 (DC) 33 <sup>3</sup> 3.3 (DC) Based on 3" module spacing	ST <sup>2</sup> Standard 12V DP <sup>3</sup> Dense Pack 24V	16 1600K 20 2000K 22 2200K 27 2700K 30 3000K 35 3500K 40 4000K 50 5000K RD Red GR Green BL Blue AM Amber	S Standard UniBin C High CRI (90+) 2700K, 3000K, 3500K only	LG Light Gray

#### NOTES:

- (1) Total ordered length may be specified in 0.5ft increments (Example: 27.5ft). Unless otherwise specified, Tempo will determine the section length of shipped product to comprise the total length, up to a maximum section length of 8ft (Example: 30ft of ordered product may ship as (6) 5ft sections or (3) 8ft and (1) 6ft section, etc.)
- (2) 2.0W/ft available with ST Standard LED spacing only.
- (3) 3.3 W/ft available with DP Dense Pack spacing only

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### SYSTEM INTEGRATION ACCESSORIES

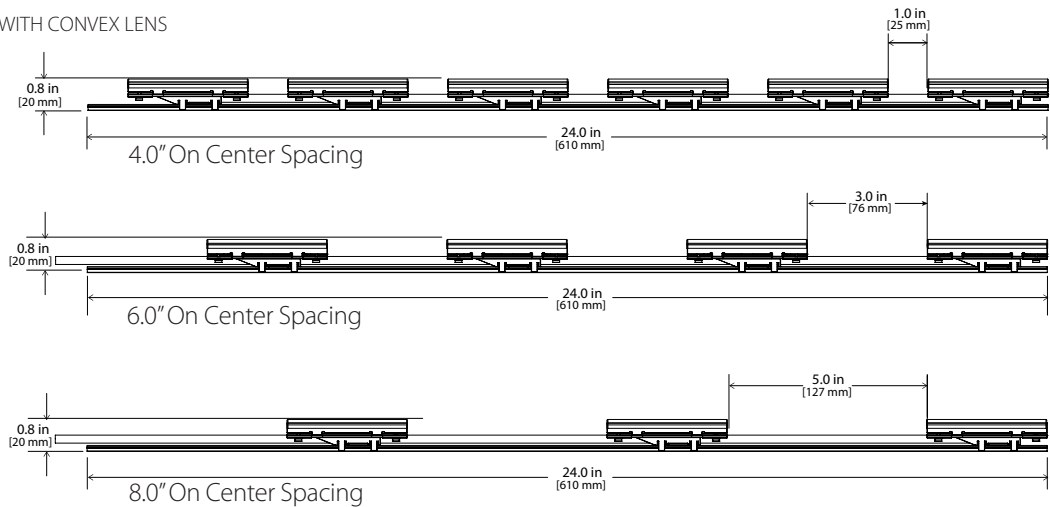
POWER SUPPLIES - 12V Output for 2.0 W/ft Standard LED Spacing <small>Require approved enclosure (by others) in close proximity to luminaire. Consult factory for guidance.</small>			Max Run Length 2.0W/ft
	<b>PWR-120-EL-040-T</b>	120V AC Input, 12V DC Output, 40W, Triac Dimming Lutron Hi-lume 1% 2-wire LED driver (120V forward phase) -LTEA2W	20ft
	<b>PWR-UNV-EL-060</b>	120-277V AC Input, 12V DC Output, 60W, Non-Dimming	30ft
	<b>PWR-UNV-EL-060-Z</b>	120-277V AC Input, 12V DC Output, 60W, 0-10V Dimming (100-10%)	30ft
POWER SUPPLIES - 24V Output for 3.3W/ft Dense Pack LED Spacing <small>Require approved enclosure (by others) in close proximity to luminaire. Consult factory for guidance.</small>			Max Run Length 3.3W/ft
	<b>PWR-120-EM-040-T</b>	120V AC Input, 24V DC Output, 40W, Triac Dimming Lutron Hi-lume 1% 2-wire LED driver (120V forward phase) -LTEA2W	12ft
	<b>PWR-UNV-EM-060</b>	120-277V AC Input, 24V DC Output, 60W, Non-Dimming	18ft
	<b>PWR-UNV-EM-060-Z</b>	120-277V AC Input, 24V DC Output, 60W, 0-10V Dimming (100-10%)	18ft
	<b>PWR-UNV-EM-100</b>	120-277V AC Input, 24V DC Output, 100W, Non-Dimming	30ft
SURGE SUPPRESSION DEVICE <small>A Tempo furnished surge suppression device must be installed on each supplying branch circuit to comply with Tempo's 5-year warranty terms</small>			
	<b>SSD-120</b>	120V Branch Circuit	
	<b>SSD-277</b>	277V Branch Circuit	
POWER FEED CABLES <small>Additional lengths available, contact factory</small>			
	<b>PFC3-F-12-36</b>	Female Connector, 12V for 2.0W/ft, Standard LED spacing, 36 inches	
	<b>PFC3-F-24-36</b>	Female Connector, 24V, for 3.3W/ft, Dense Pack LED spacing, 36 inches	
JUMPER FEED CABLES <small>Additional lengths available, contact factory</small>			
	<b>JFC3-MF-12-18</b>	Male/Female, 12V, 18 inches	
	<b>JFC3-MF-24-18</b>	Male/Female, 24V, 18 inches	
MOUNTING HARDWARE			
	<b>C3S-TK-FX</b>	Self-adhesive mounting track, 15 feet	
	<b>C3S-TK</b>	Mounting track, 15 feet	

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DIMENSIONAL INFORMATION WITH EXTENDED MODULE SPACING

WITH CONVEX LENS



PERFORMANCE

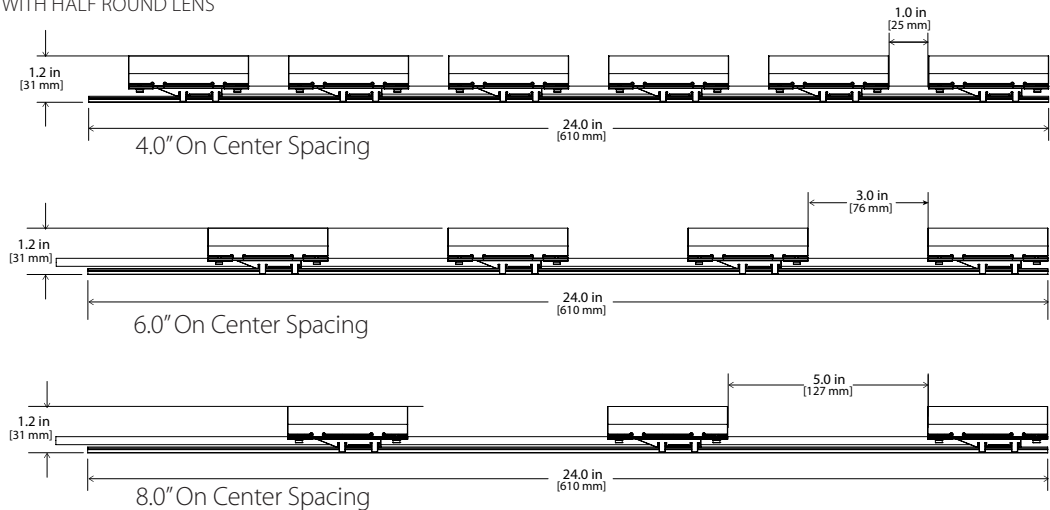
All data nominal. 3500K test data

Model	2.0	3.3
Lumens/ft	150	225
Watts/ft	1.5	2.5

Model	2.0	3.3
Lumens/ft	100	150
Watts/ft	1.0	1.65

Model	2.0	3.3
Lumens/ft	75	112.5
Watts/ft	0.75	1.24

WITH HALF ROUND LENS

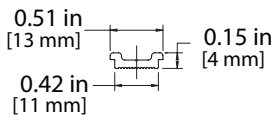


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Model	2.0	3.3
Lumens/ft	75	112.5
Watts/ft	0.75	1.24

MOUNTING TRACK



Tempo Industries reserves the right to change materials or modify the design of its product without notification as part of the company's continuing product improvement program. Please consult [www.tempollc.com](http://www.tempollc.com) for the most up-to-date specifications and technical data.