

## C4S

SERPENTINE LED LINEAR COVE LIGHTING, MID-POWER  
24V REMOTE POWER SYSTEM



### APPLICATION

C4S LED linear lighting produces uniform illumination designed to accent and highlight spaces featuring curves and corners, such as coves and soffits. The 6" articulating modules pivot smoothly up to 90 degrees for seamless illumination along curvilinear segments. Designed with modular CLiP<sup>®</sup> (Configurable Lighting Platform), C4S provides options to suit multiple application requirements.

### CONSTRUCTION

- Thermally optimized die cast aluminum housing
- Unique sliding expansion link can expand luminaire up to 1" in length per foot maintaining even light and providing field adjustability
- Ability to articulate 90°+ while maintaining uniform distribution
- Modular design allows for simple field service of 6" units
- Sections quick connect together to form extended runs
- CSA damp location listed

### OPTICS / LENS / DIFFUSER

- Convex, lightly frosted lens with 120° x 120° distribution.

### POWER SYSTEM

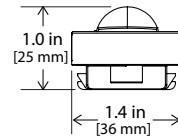
- Utilizes remote, low voltage (24V) DC power supply. Power supplies must be installed in an approved enclosure (by others) in close proximity to luminaire. See Driver Remote Distance Chart for guidance.
- Triac dimming to 1%  
0-10V dimming to under 10%  
DMX/RDM dimming to 1%  
Non-dimming also available

### PERFORMANCE

- 7W/ft light output up to 812 lm/ft
- 5W/ft light output up to 575 lm/ft
- Dense Pack (DP) LED spacing places more LED's closer together in each 6" module for high uniformity illumination.
- Operating temperature range of -20°C to 50°C
- Power Supply Total Harmonic Distortion <20%, Power Factor >0.9

### LIGHT CHARACTERISTICS

- Typical CRI of 80+ in 2000K to 5000K.
- 90+ CRI option available with 2700K, 3000K and 3500K.
- Static Red, Green or Blue available. (5W/ft model only.)
- LED's are selected and placed on the printed circuit boards via Tempo Industries' UniBin™ process which ensures consistent hue and color within the entire run. Color variations are held to a minimum, within a 2-step MacAdam ellipse.



**Buy Tempo**  
**Buy American**

**MADE IN**  
**USA**  
OF US AND IMPORTED COMPONENTS

### WARRANTY

Tempo provides a 5-year limited warranty.

### 86,000 HOURS

**L85 LUMEN MAINTENANCE**  
LED Luminaires will reach 85% of initial lumen output at or beyond 86,000 hours at 25°C.



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### PERFORMANCE SUMMARY

All data nominal. 3500K test data shown.

Watts/ft	5	7
Lumens/ft	575	812
Lumens/Watt	124	117

Static Colors

Watts/ft	5	7
RED Lumens/ft	116	N/A
RED Lumens/Watt	23	N/A
GREEN Lumens/ft	318	N/A
GREEN Lumens/Watt	64	N/A
BLUE Lumens/ft	88	N/A
BLUE Lumens/Watt	18	N/A

### DRIVER REMOTE DISTANCE

	Wire Gauge	Maximum Lead Length
24VDC Driver	18 AWG	15ft (4.5m)
	16 AWG	25ft (7.5m)
	14 AWG*	40ft (12m)
	12 AWG*	60ft (1m)

\*Terminal blocks on the drivers accept 18AWG or 16AWG wire. To use wire gauges larger than 16AWG connect up to 3 ft of 18AWG or 16AWG, then connect 14AWG or 12AWG with UL approved wire nuts up to the maximum lead length in the above table.

### MAXIMUM RUN LENGTHS

24V Driver	5W/ft	7W/ft
100W	20 feet	14 feet
60W	12 feet	8 feet
40W	8 feet	5 feet

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### ORDERING INFORMATION

Example: **C4S-LL-0-5-30NA-4**

4ft, C4S, lightly frosted lens, 24V 5W/Ft, 3000K, Natural Anodized

<b>C4</b>	<b>S</b>	<b>LL</b>	<b>0</b>				
Series	Platform	Optic/Lens/Diffuser	Module Spacing	Watts/Foot	Color Temp	Finish	Fixture Length <sup>1</sup>
<b>C4</b>	<b>S</b> Serpentine	<b>LL</b> Lightly frosted lens	<b>0</b>	<b>5</b> 5W/ft	<b>20</b> 2000K (CRI 80+) <b>22</b> 2200K (CRI 80+) <b>27</b> 2700K (CRI 80+) <b>30</b> 3000K (CRI 80+) <b>35</b> 3500K (CRI 80+) <b>40</b> 4000K (CRI 80+) <b>50</b> 5000K (CRI 80+) <b>RD</b> Red (5W/ft model only) <b>GR</b> Green <b>BL</b> Blue  <b>27H</b> 2700K High CRI (90+) <b>30H</b> 3000K High CRI (90+) <b>35H</b> 3500K High CRI (90+)	<b>NA</b> Natural Anodized  Due to the unique design with multiple moving parts, C4S does not have color finish options.	
				<b>7</b> 7W/ft	<b>20</b> 2000K (CRI 80+) <b>22</b> 2200K (CRI 80+) <b>27</b> 2700K (CRI 80+) <b>30</b> 3000K (CRI 80+) <b>35</b> 3500K (CRI 80+) <b>40</b> 4000K (CRI 80+) <b>50</b> 5000K (CRI 80+)  Static Colors N/A  <b>27H</b> 2700K High CRI (90+) <b>30H</b> 3000K High CRI (90+) <b>35H</b> 3500K High CRI (90+)		

**NOTES:**

(1) Fixture length measured in feet with maximum of 6 feet.

**C4S ADJUSTABLE EXPANSION LINK**

Tempo's exclusive Adjustable Expansion Link allows for 1/2" per module extension to fit perfectly around tight curved and corners with no noticeable affect on light uniformity.

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### SYSTEM INTEGRATION ACCESSORIES

POWER SUPPLIES - 24V Output		
Require approved enclosure (by others) in close proximity to luminaire. Consult factory for guidance.		
<b>PWR-120-EM-040-T</b>	120V AC Input, 24V DC Output, 40W, Triac Dimming (dim to 1%) Lutron Hi-lume 1% 2-wire LED driver, 120V forward phase; 3.0"W x 1.0"H x 4.9"L	
<b>PWR-120-EM-040-T1</b>	120V AC Input, 24V DC Output, 40W, Triac Dimming (dim to 1%) Lutron Hi-lume 1% 2-wire LED driver, 120V forward phase; 1.2"W x 1.0"H x 14.25"L	
<b>PWR-UNV-EM-100-N</b>	120-277V AC Input, 24V DC Output, 100W, DMX/RDM Dimming; 3.2"W x 1.2"H x 9.1"L	
<b>PWR-UNV-EM-100-N1</b>	120-277V AC Input, 24V DC Output, 100W, DMX/RDM Dimming; 1.6"W x 1.2"H x 14.6"L	
<b>PWR-UNV-EM-060</b>	120-277V AC Input, 24V DC Output, 60W, Non-Dimming; 1.7"W x 1.2"H x 9.5"L	
<b>PWR-UNV-EM-060-Z</b>	120-277V AC Input, 24V DC Output, 60W, 0-10V Dimming (dim to under 10%); 1.7"W x 1.2"H x 9.5"L	
<b>PWR-UNV-EM-100</b>	120-277V AC Input, 24V DC Output, 100W, Non-Dimming; 1.7"W x 1.2"H x 9.5"L	
<b>PWR-UNV-EM-100-Z</b>	120-277V AC Input, 24V DC Output, 100W, 0-10V Dimming (dim to under 10%); 1.9"W x 1.3"H x 9.2"L	
<b>PWR-UNV-EM-100-Z-JB</b>	Plenum Rated J-Box Driver, 120-277V AC Input, 24V DC Output, 100W, 0-10V Dimming (dim to under 10%); 2.5"W x 1.7"H x 12.4"L	

SURGE SUPPRESSION DEVICE		
A Tempo furnished surge suppression device must be installed on each supplying branch circuit to comply with Tempo's 5-year warranty terms		
<b>SSD-120</b>	120V Branch Circuit; 2.9"W x 1.75"H x 3.3"L	
<b>SSD-277</b>	277V Branch Circuit; 2.9"W x 1.75"H x 3.3"L	

POWER FEED CABLES Additional lengths available, contact factory		
<b>PFC3-F-24-36</b>	Female Connector, 24V, 36 inches	
<b>PFC3-M-24-36</b>	Male Connector, 24V 36 inches	

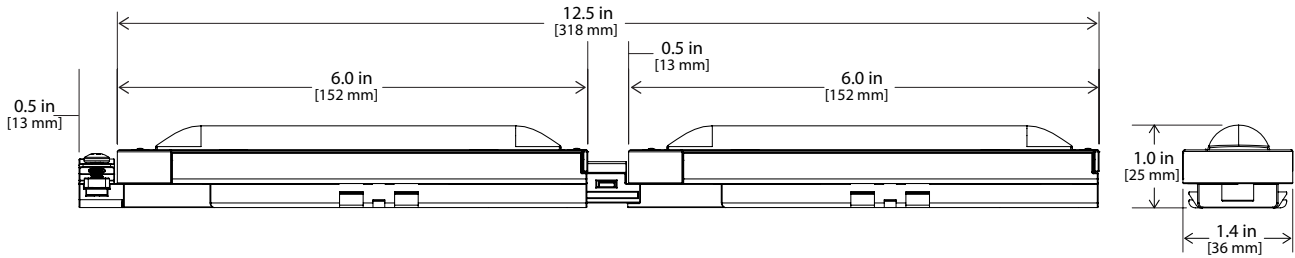
JUMPER FEED CABLES Additional lengths available, contact factory		
<b>JFC3-FF-24-18</b>	Female/Female Connector, 24V, 18 inches	
<b>JFC3-MF-24-18</b>	Male/Female, 24V, 18 inches	
<b>JFC3-MM-24-18</b>	Male/Male, 24V, 18 inches	

MOUNTING HARDWARE		
<b>C4A-MTGBRKT</b>	Stainless Steel Surface Mount Bracket (set of 12)	
<b>C4A-MTGBRKT-SURF</b>	Stainless Steel Surface Mount Bracket with Screw Ears (set of 12)	
<b>C4A-MTGBRKT-COVE</b>	Stainless Steel Front Cove Mount (set of 12)	
<b>C4A-MTGBRKT-WALL</b>	Plastic Wall Mount Bracket (set of 12)	

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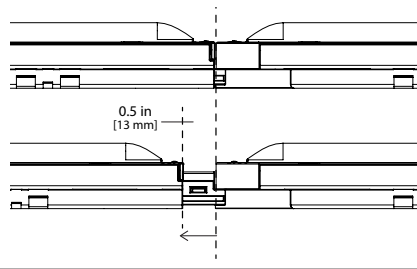
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### DIMENSIONAL INFORMATION

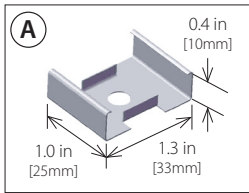


#### C4S ADJUSTABLE EXPANSION LINK

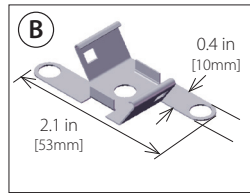
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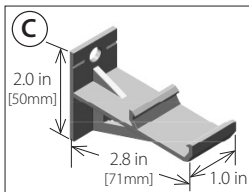
### MOUNTING HARDWARE



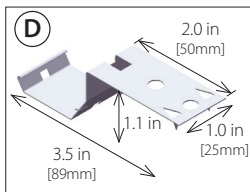
**A**  
SURFACE MOUNT  
(C4A-MTGBRKT)



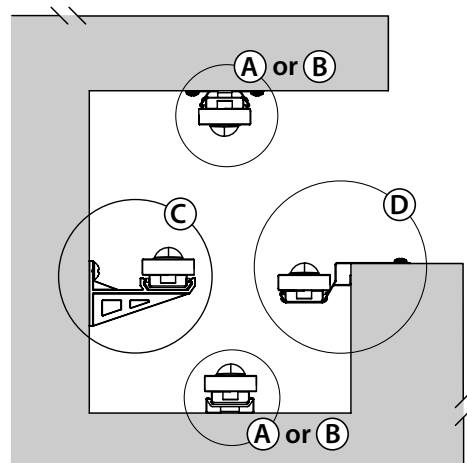
**B**  
SURFACE MOUNT W/  
MOUNTING EARS  
(C4A-MTGBRKT-SURF)



**C**  
WALL MOUNT  
(C4A-MTGBRKT-WALL)



**D**  
COVE MOUNT  
(C4A-MTGBRKT-COVE)



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