

C6R 0-10V Integral Dimming

RIGID LED COVE LINEAR LIGHTING, HIGH LUMEN
INTEGRAL POWER SYSTEM



APPLICATION

C6R LED linear lighting produces uniform illumination designed to illuminate coves and soffits. Designed with modular CLiP[®] (Configurable Lighting Platform), C6R provides options to suit multiple application requirements.

The 0-10V integral dimming C6R is ideal for small runs under 10 feet where the use of external DIM-Z 0-10V dimming interface module is not feasible. For continuous runs of more than 10 feet Tempo suggests using C6R ELV dimming model combined with the DIM-Z 0-10V dimming interface.

CONSTRUCTION

- Aluminum housings painted in light gray and assembled onto extruded aluminum track.
- Housing clips on to adjustable angle brackets that rotate up to 90°.
- Positioning locking screw may be positioned on either side for maximum adjustability and ease of access.
- Sections available in lengths of 1ft, 2ft, 3ft, 4ft, 5ft or 6ft. Sections may be joined to form extended linear runs.
- Fully compliant with NEC Article 400
- CSA damp location listed

OPTICS / LENS / DIFFUSER

- Lightly frosted polycarbonate lens
- Half dome lens with 10° x 10°, 10° x 60°, 60° x 115°, 30° x 50°, 50° x 30°, or asymmetric wall wash optic available

POWER SYSTEM

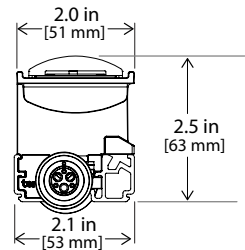
- 120V-277V input Integral driver with 0-10V dimming

PERFORMANCE

- Nominal 510-970 delivered lumens per foot
- 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

- 2700K, 3000K, 3500K and 4000K Color Temperature options
- Typical CRI of 80+, 90+ CRI option available with 2700K, 3000K or 3500K selection
- 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 installation. Color variations are held to a minimum, within a 2-step MacAdam ellipse.



Shown with lightly frosted lens (10)

WARRANTY

Tempo provides a 5-year limited warranty.



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

Watts/ft	5	9	10
Lumens/ft	510	900	970
Lumens/Watt	102	102	97
Maximum Run Length*	190ft	110ft	95ft

*Based on 120V input.

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ORDERING INFORMATION - 5 WATT & 9 WATT MODELS

Example: C6R00-12-1012-UNVZ5-D27S-LG

C6R, 12" increments, lightly frosted lens, 12" on center, UNV, 0-10V dimming, 5W/Ft, Dense Pack LED Spacing, 2700K, Std UniBin, Light Gray

C6		0	0	12			UNV	Z			D			
PLATFORM				PERFORMANCE						LIGHT CHARACTERISTICS				
Series	Platform	Profile	Type	Increment Length	Optic/Lens/Diffuser	Module Spacing	Voltage	Dimming	Watts/Foot	LED Spacing	Color Temp	Attribute	Finish	
C6	R 1ft Rigid module	0 Rect.	0 Symmetric	12 12" base increment	10	12 12" O.C.	UNV 120-277V	Z 0-10V (5%)	5 5W/ft 9 9W/ft	D Dense Pack	27	S Standard UniBin	LG Light Gray	
											30			
											35			
											40			
					72						C High CRI (90+) 2700K, 3000K, 3500K only	BK Black		
					76							WH White		
												SPL Special Color - Consult Factory		

NOTES:

(1) Total ordered length may be specified in 1.0ft increments (EXAMPLE 24ft). Unless otherwise specified, Tempo will determine the section lengths of shipped product to comprise the total length, up to a maximum section length of 6ft (EXAMPLE: 30ft of ordered product may ship as (5) 6ft sections or (6) 5ft sections, etc.)

ORDERING INFORMATION - 10 WATT MODELS

Example: C6R00-12-1012-UNVZ10-D27S-LG

C6R, 12" increments, lightly frosted lens, 12" on center, UNV, 0-10V dimming, 10W/Ft, Dense Pack LED Spacing, 2700K, Std UniBin, Light Gray

C6		0	0	12			UNV	Z	10	S				
PLATFORM				PERFORMANCE						LIGHT CHARACTERISTICS				
Series	Platform	Profile	Type	Increment Length	Optic/Lens/Diffuser	Module Spacing	Voltage	Dimming	Watts/Foot	LED Spacing	Color Temp	Attribute	Finish	
C6	R 1ft Rigid module	0 Rect.	0 Symmetric	12 12" base increment	31	12 12" O.C.	UNV 120-277V	Z 0-10V (5%)	10 10W/ft	S Standard	27	S Standard UniBin	LG Light Gray	
											30			
											35			
											40			
					37						C High CRI (90+) 2700K, 3000K, 3500K only	BK Black		
					3050							WH White		
					5030							SPL Special Color - Consult Factory		

NOTES:

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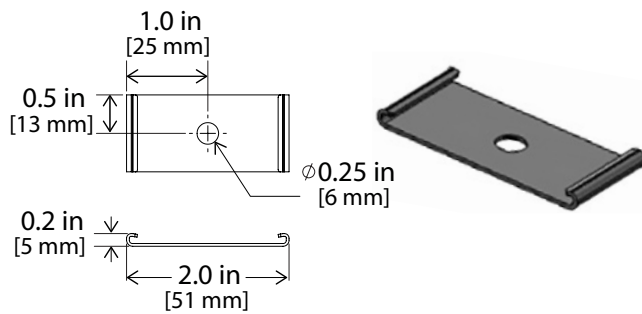
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SYSTEM INTEGRATION ACCESSORIES

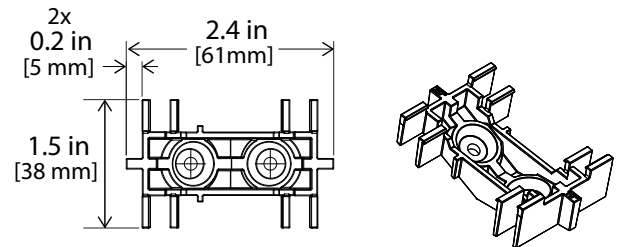
SURGE SUPPRESSION DEVICE A Tempo furnished surge suppression device must be installed on each supplying branch circuit to comply with Tempo's 5-year warranty terms		
	SSD-120	120V Branch Circuit
	SSD-277	277V Branch Circuit
POWER FEED CABLES Additional lengths available, contact factory		
	PFC-Z-6-F-36	Female connector, 36 inches, includes 0-10V control wires
JUMPER FEED CABLES Additional lengths available, contact factory		
	JFC6-Z-FM-12	Female/Male connector, 12 inches, includes 0-10V control wires
SIGNAL FEED CABLES Additional lengths available, contact factory		
	96090	0-10V Signal Feed Cables, 36 inches
MOUNTING HARDWARE		
	C6A-MC	Surface Mount Clips, no finish (set of 12)
	C6A-MTGBRKT-1020	Mounting Bracket with 10° or 20° angle (set of 12)
	PA-8	+90° Adjustable Mounting Bracket. Minimum of 2 required per section.

MOUNTING HARDWARE

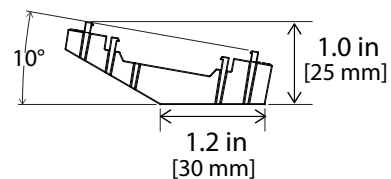
SURFACE MOUNT CLIP (C6A-MC)



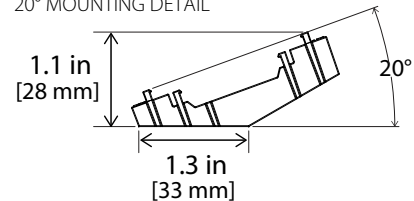
MOUNTING BRACKET 10° OR 20° ANGLE (C6A-MTGBRKT-1020)



10° MOUNTING DETAIL



20° MOUNTING DETAIL



ADJUSTABLE MOUNTING BRACKET (PA-8)



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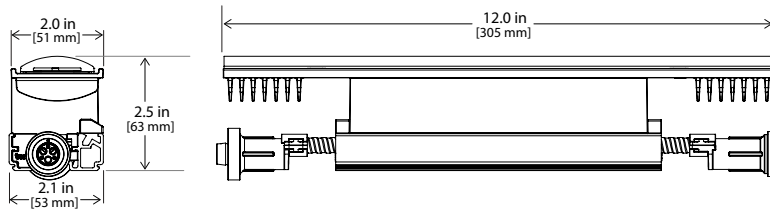
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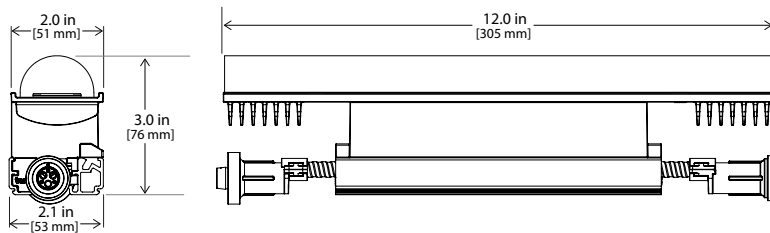
DIMENSIONAL INFORMATION

C6R 1FT MODULES

LIGHTLY FROSTED LENS (10) NO OPTIC



HALF DOME LENS USED WITH ALL OPTICS OPTIONS



WIRING



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Tempo 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 for the most up-to-date specifications and technical data.