

C6R

RIGID LED LINEAR LIGHTING, HIGH LUMEN
INTEGRAL POWER SYSTEM



APPLICATION

The C6R linear LED product line is designed for high lumen cove lighting as well as wall washing and wall grazing. Designed with modular CLiP[®] (Configurable Lighting Platform), C6R provides options to suit multiple application requirements.

CONSTRUCTION

- Aluminum housings painted in light gray, standard
- C6R2 available in section lengths of 2ft, 4ft or 6ft. Sections may be joined to form extended linear runs.
- 1 foot C6R also available as "Caboose" to finish runs or connect multiple 1 footers together to make serpentine curves and bends.
- C6R housings clip into adjustable angle brackets that rotate up to 90°.
- Fully compliant with NEC Article 400
- CSA damp location listed

OPTICS / LENS / DIFFUSER

5 watt model:

Half Dome lens with 60° x 115°, Asymmetric, 10° x 60°, 30° x 50° & 50° x 30° optics

10 watt model:

Half Dome lens with Asymmetric, 10° x 10°, 10° x 60°, 30° x 50° & 50° x 30° optics

- Molded plastic snap-on glare shield accessory available for all wattage and lens options.

POWER SYSTEM

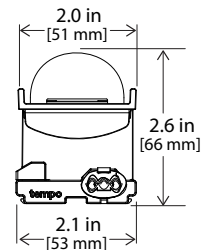
- Integral drivers.
- Universal (120V-277V) Input with Electronic Low Voltage (ELV) dimming to 5%
- 120V Input with Triac dimming to 0%. (10W/ft model only)
- 0-10V dimming with tempo Dimming Interface Module (DIM-Z)

PERFORMANCE

- Nominal 400 lm/ft (5W/ft model)
- Nominal 870 lm/ft (10W/ft model)
- 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 2700K to 5000K; plus static Red, Green & Blue.
- 90+ CRI option available with 2700K, 3000K and 3500K.
- 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.



Buy Tempo
Buy American



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.



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

Watts/ft	5	10
Lumens/ft	400	870
Lumens/Watt	80	87
120V Maximum Run Length	200ft	100ft
277V Maximum Run Length	450ft	225ft

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ORDERING INFORMATION

5 WATT MODEL

C6			0	UNV	E	5			
Platform		Optic/Lens/Diffuser		Voltage	Dimming	Watts/Foot	Color Temp	Finish	Fixture Length ¹
C6	R ¹ 1 ft module	ASY	Half dome lens + Asymmetric optic	UNV 120-277V	E ELV (Electronic Low Voltage) dim to 5%	5 5W	27	2700K (CRI 80+)	LG Light Gray BK Black WH White
	R2 ¹ 2 ft module	1060	Half Dome lens + 10° x 60° optic				30	3000K (CRI 80+)	
		3050	Half dome lens + 30° x 50° optic				35	3500K (CRI 80+)	
		5030	Half dome lens + 50° x 30° optic				40	4000K (CRI 80+)	
						50	5000K (CRI 80+)		
							RD	Red	
							GR	Green	
							BL	Blue	
							27H	2700K (High CRI 90+)	
							30H	3000K (High CRI 90+)	
							35H	3500K (High CRI 90+)	

NOTES: (1) C6R 1 foot fixture for end of runs or combine multiple 1 footers together for Serpentine curves & bends. C6R2 sold in 2 foot increments - 2ft, 4ft, 6ft only.

10 WATT MODEL

C6			0			10			
Platform		Optic/Lens/Diffuser		Voltage	Dimming	Watts/Foot	Color Temp	Finish	Fixture Length ¹
C6	R ¹ 1 ft module	ASY	Half dome lens + Asymmetric optic	UNV 120-277V	E ELV (Electronic Low Voltage) dim to 5%	10 10W	27	2700K (CRI 80+)	LG Light Gray BK Black WH White
	R2 ¹ 2 ft module	1010	Half Dome lens + 10° x 10° optic				30	3000K (CRI 80+)	
		1060	Half Dome lens + 10° x 60° optic				35	3500K (CRI 80+)	
		3050	Half dome lens + 30° x 50° optic				40	4000K (CRI 80+)	
		5030	Half dome lens + 50° x 30° optic	50	5000K (CRI 80+)				
							RD	Red	
							GR	Green	
							BL	Blue	
				120 120V	ET ELV and Triac Dimming dim to 0%		27H	2700K (High CRI 90+)	
							30H	3000K (High CRI 90+)	
							35H	3500K (High CRI 90+)	

NOTES: (1) C6R 1 foot fixture for end of runs or combine multiple 1 footers together for Serpentine curves & bends. C6R2 sold in 2 foot increments - 2ft, 4ft, 6ft only.

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SYSTEM INTEGRATION ACCESSORIES

SURGE SUPPRESSION DEVICE		
Tempo furnished surge suppression device must be installed on each supplying branch circuit to comply with 5-year warranty.		
	SSD-120	120V Branch Circuit
	SSD-277	277V Branch Circuit
DIMMING INTERFACE MODULE (DIM-Z)		
600W max at 120V and 1350W max at 277v. See tempollc.com for full specifications.		
	DIM-Z	Dimming Interface Module converts 0-10V dimming signals to ELV Dimming output, 120 - 277 Universal Line Voltage. DIM-Z used with the ET driver limits dimming to 1%.
POWER FEED CABLES		
Additional lengths available, contact factory		
	PFC6-F-36	Female connector, 36 inches
	PFC6-M-36	Male connector, 36 inches
JUMPER FEED CABLES		
Additional lengths available, contact factory		
	JFC6-FM-12	Female/Male connector, 12 inches
	JFC6-FM-18	Female/Male connector, 18 inches
	JFC6-FM-24	Female/Male connector, 24 inches
	JFC6-FM-120	Female/Male connector, 10 feet (120 inches)
MOUNTING HARDWARE		
	C6A-MC	Stainless Steel Surface Mount Clips for up lighting applications only, no finish (set of 12)
	C6A-IMB	Stainless Steel Inverted Mounting Bracket for down light & wall mount applications, no finish (set of 12)
	C6A-MTGBRKT-1020	Plastic Mounting Bracket with 10° or 20° angle (set of 12)
	PA-8	Aluminum 90°+ Adjustable Mounting Bracket. Minimum of 2 required per section.
GLARE CONTROL		
	GS-C6R-LG	C6R snap on 1 ft plastic glare shield, Light Gray (only for use on C6R 1 foot "Caboose") <i>Note: Not available in Black or White finishes; Non-Stock Item - Consult factory for lead time.</i>
	GS-C6R2-LG	C6R2 snap on 2 ft molded plastic glare shield, Light Gray (only for use on C6R2) <i>Note: Not available in Black or White finishes.</i>

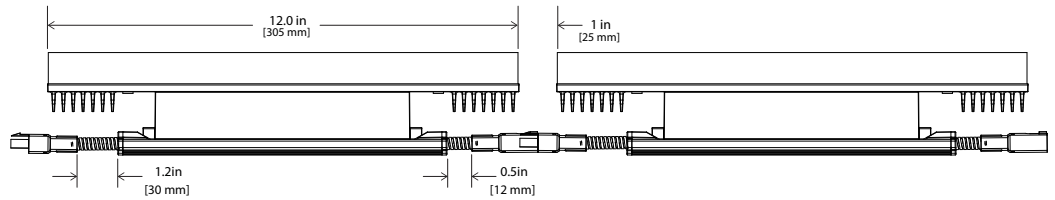
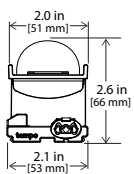
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DIMENSIONAL INFORMATION

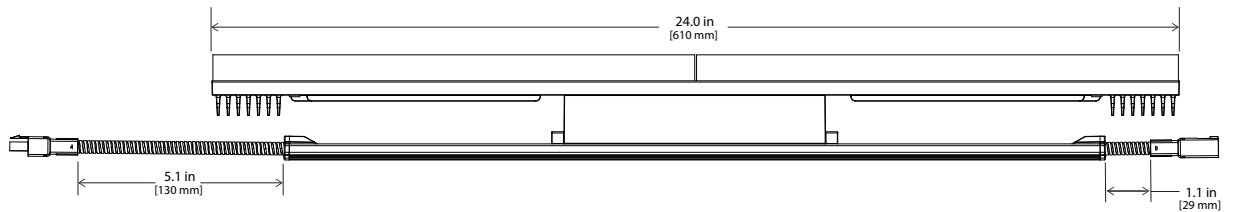
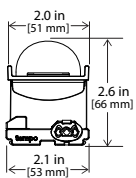
C6R 1FT MODULE

HALF DOME LENS WITH ASY, 10X10, 10X60, 30X50, 50X30 OPTICS

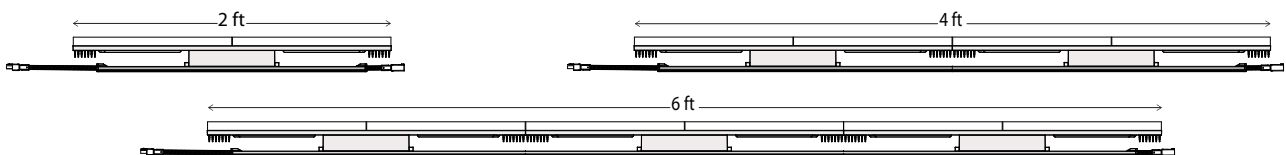


C6R2 2FT MODULES

HALF DOME LENS WITH ASY, 10X10, 10X60, 30X50, 50X30 OPTICS



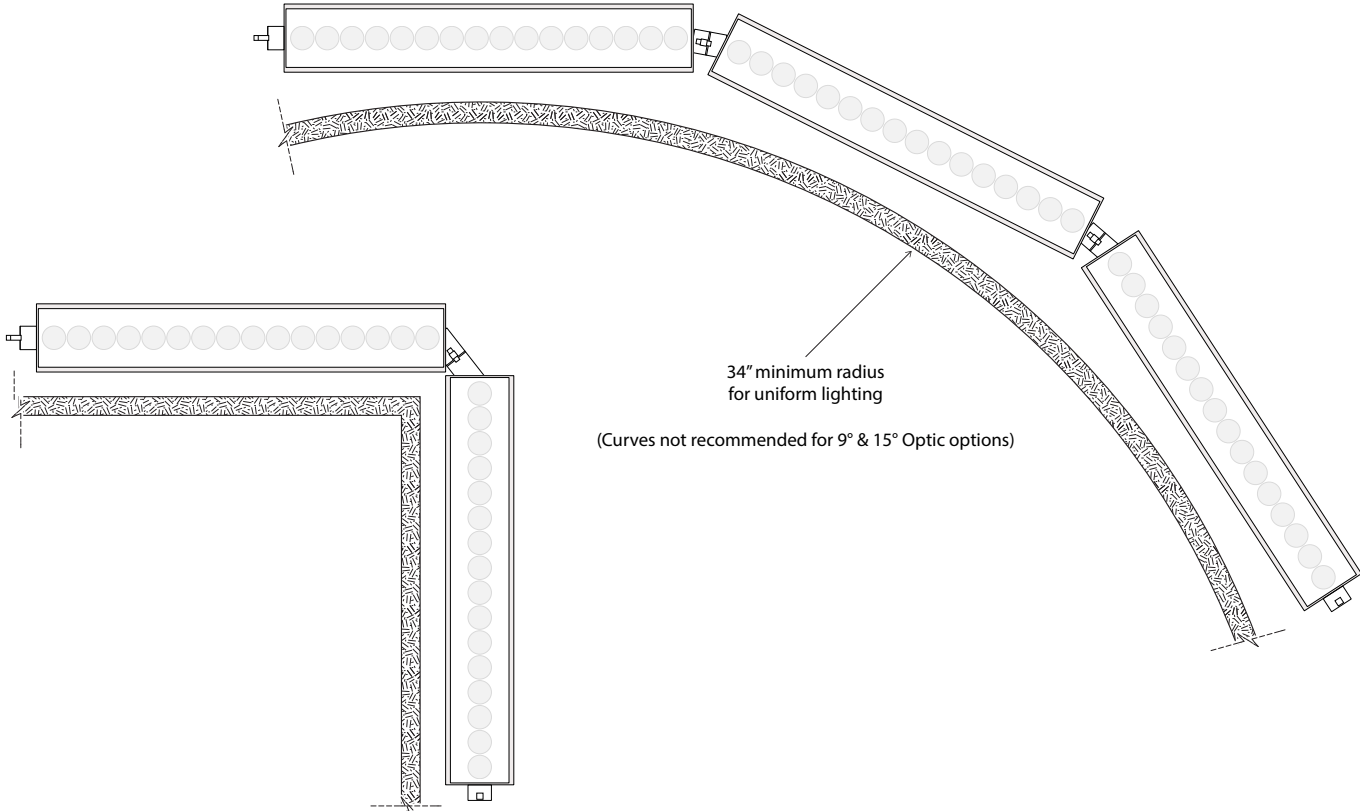
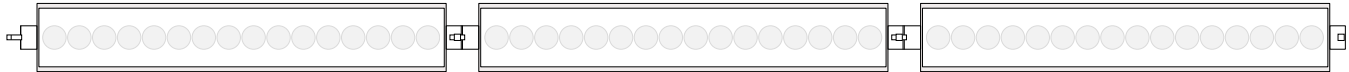
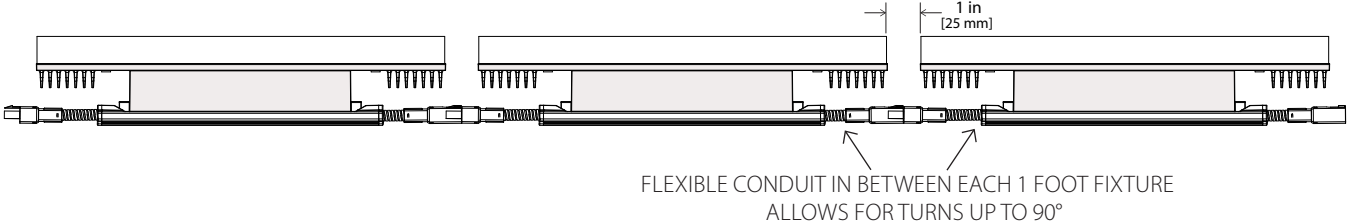
C6R2 2FT FIXTURE LENGTH OPTIONS



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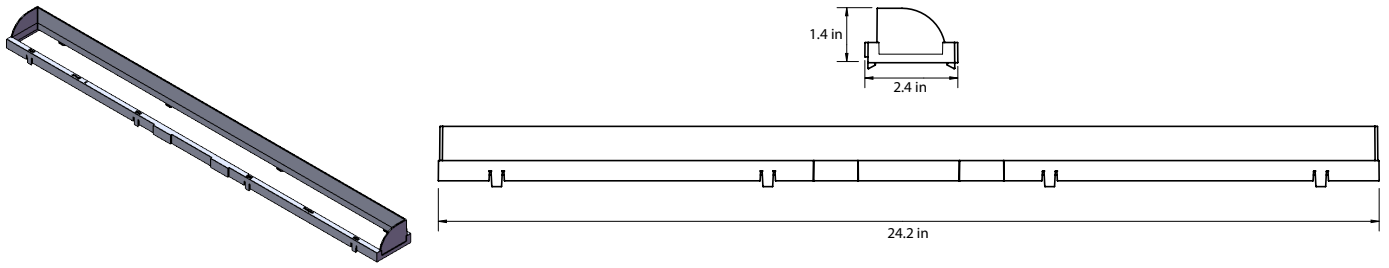
SERPENTINE CURVES & BENDS WITH 1 FOOT C6R



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GS-C6R2-LG SNAP ON GLARE SHIELD (FOR USE ONLY WITH C6R2 MODELS)



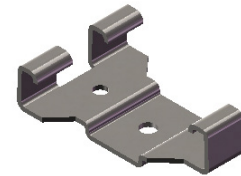
MOUNTING HARDWARE

SURFACE MOUNT CLIP (C6A-MC)
FOR UPLIGHT APPLICATIONS ONLY



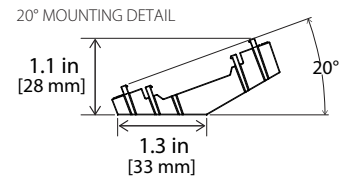
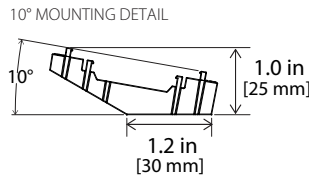
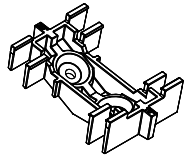
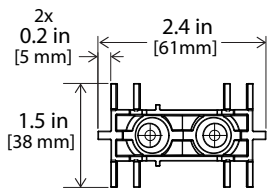
2.0"(l) x 1.0"(w) x 0.2"(h)

INVERTED MOUNTING BRACKET (C6A-IMB)
EXTRA SUPPORT FOR DOWN LIGHT & SIDE MOUNT APPLICATIONS

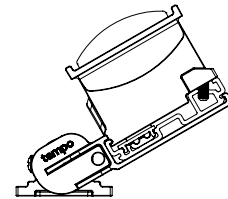
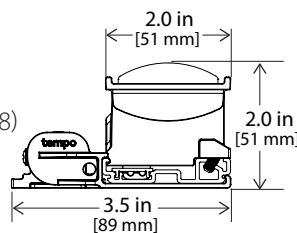


2.25"(l) x 1.6"(w) x 0.7"(h)

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



90° ADJUSTABLE MOUNTING BRACKET (PA-8)



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