

C3R Color Changing

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



APPLICATION

C3R Color Changing LED linear lighting produces uniform illumination designed to accent and highlight spaces such as small coves, under cabinets or millwork. Designed with modular CLiP[®] (Configurable Lighting Platform), C3R provides options to suit multiple application requirements.

CONSTRUCTION

- Low profile cross section (0.9" wide x 0.9" high)
- Join sections and create continuous runs up to 12' from one 100W power supply
- Easily replaceable LED printed circuit boards
- Quick wire connection device options
- CSA damp location listed

OPTICS / LENS / DIFFUSER

- Standard convex, lightly frosted lens

POWER SYSTEM

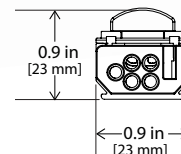
- Utilizes remote, Class II low voltage, DMX/RDM compatible 24Volt power supply
- Fully dimmable

PERFORMANCE

- Dense Pack (DP) LED spacing places more LED's closer together in each 12" 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

- Red, Green and Blue lighting class LEDs for color changing with standard 3 channel DMX controller (by others)
- All 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.



No Factory in the Field[®]

C3R Color Changing is designed for ease of installation and maintenance.

WARRANTY

Tempo provides a 5-year limited warranty.



PERFORMANCE SUMMARY All data nominal.

Watts/Foot	8.0W
Watts/ft. (RED)	2.7W
Lumens/ft. (RED)	106
Lumens/Watt (RED)	39
Watts/ft. (GREEN)	2.7W
Lumens/ft. (GREEN)	172
Lumens/Watt (GREEN)	64
Watts/ft. (BLUE)	2.7W
Lumens/ft. (BLUE)	50
Lumens/Watt (BLUE)	19
TOTAL LUMENS/FT.	328
Maximum Run Length*	12 feet

*Based on use of (1) 100W power supply

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ORDERING INFORMATION

Example: 25ft C3R00-12-1003-80DPRGBS-LG

25 feet of C3R00, 12" increment, Convex lens, 12" O.C., 8.0 W/Ft DC, Dense Pack Spacing, RGB, Std UniBin, Light Gray

	C3	R	0	0	12	10	12	80	DP	RGB	S	LG
Length in Feet ¹	PLATFORM				PERFORMANCE				LIGHT CHARACTERISTICS			
	Series	Platform	Profile	Type	Increment Length	Optic/Lens/Diffuser	Module Spacing	Watts/Foot	LED Spacing	Color Temp	Attribute	Finish
	C3	R Rigid	0 Rect.	0 Symmetric	12 12" base increment	10 Convex lens, lightly frosted	12 12" O.C.	80 8.0 (DC) (2.7w/ft x 3 channels)	DP Dense Pack 24V only	RGB Red Green Blue	S Standard UniBin	LG Light Gray

NOTES:

(1) Total ordered length may be specified in 1ft increments (EXAMPLE 28ft). Unless otherwise specified, Tempo will determine the section lengths 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.)

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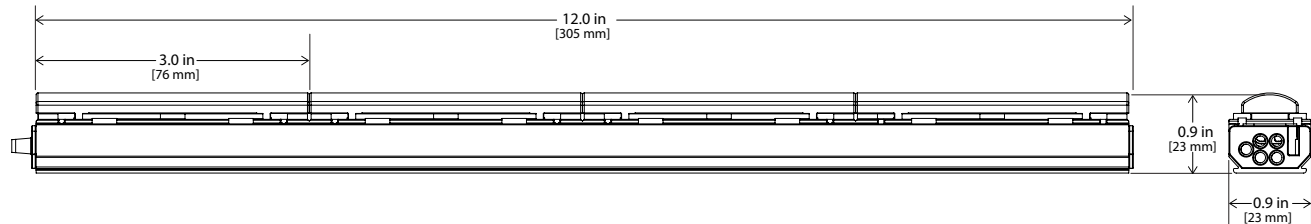
SYSTEM INTEGRATION ACCESSORIES

POWER SUPPLIES - 24V Output for Dense Pack LED Spacing <small>Require approved enclosure (by others) in close proximity to luminaire. Consult factory for guidance.</small>		
	PWR-UNV-EM-100-N	120-277V AC Input, 24V DC Output, 100W, DMX/RDM
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>		
	SSD-120	120V Branch Circuit
	SSD-277	277V Branch Circuit
POWER FEED CABLES <small>Additional lengths available, contact factory</small>		
	PFC5-F-24-36	Female Connector, 24V, 36 inches
	PFC5-M-24-36	Male Connector, 24V 36 inches
JUMPER FEED CABLES <small>Additional lengths available, contact factory</small>		
	JFC5-FF-24-18	Female/Female Connector, 24V, 18 inches
	JFC5-FM-24-18	Female/Male, 24V, 18 inches
	JFC5-MM-24-18	Male/Male, 24V, 18 inches
MOUNTING HARDWARE <small>18" maximum recommended spacing between mounting clips</small>		
	C3A-MTGBRKT-SURF	Set of 25 Mounting clips (screws included)
	C3A-MTGBRKT-SURF-20	Set of 25, 20° Mounting clips (screws included)

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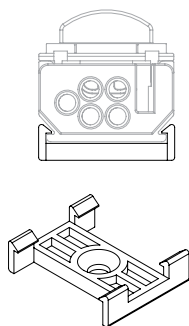
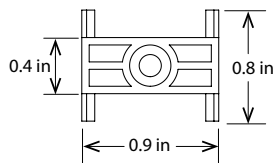
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DIMENSIONAL INFORMATION

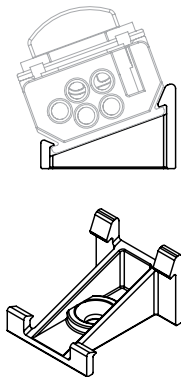
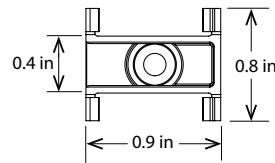


MOUNTING CLIP (Mounting screw provided)

C3A-MTGBRKT-SURF



C3A-MTGBRKT-SURF-20



18" maximum recommended spacing between mounting clips.

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