

C3R

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



APPLICATION

C3R 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. The rigid C3R may be connected to Tempo's serpentine C3S 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
- For combined curved and straight-run sections, C3R may be easily connected to Tempo's C3S linear serpentine system
- Easily replaceable LED printed circuit boards
- Quick wire connection device options
- CSA damp location listed

OPTICS / LENS / DIFFUSER

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

POWER SYSTEM

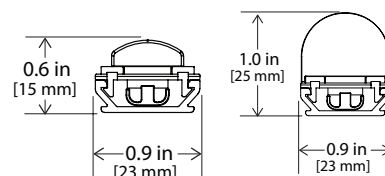
- Utilizes remote, Class II low voltage 12Volt or 24Volt Power Supply. Power supplies must be installed in an approved enclosure (by others) in close proximity to luminaire. Consult factory for guidance.
- Dimming options available

PERFORMANCE

- Standard module spacing of 3" nominal on center. CLiP[™] - 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 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, 2000K, 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
- 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. Color variations are held to within a maximum of 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

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ORDERING INFORMATION

Example: 25ft C3R00-12-1003-20ST35S-LG

25 feet of C3R00, 12" increment, Convex lens, 3" O.C., 2.0 W/Ft DC, Std LED Spacing, 3500K, Std UniBin, Light Gray

	C3	R	0	0	12		03					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	03 3" O.C.	20 ² 2.0 (DC)	ST ² Standard 12V	16 1600K 20 2000K 22 2200K 27 2700K 30 3000K 35 3500K 40 4000K 50 5000K	S Standard UniBin C High CRI (90+) 2700K, 3000K, 3500K only	LG Light Gray
						21 1/2 Round lens + high diffusion film		33 ³ 3.3 (DC)	DP ³ Dense Pack 24V	RD Red GR Green BL Blue AM Amber		

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
	PWR-120-EL-040-T	120V AC Input, 12V DC Output, 40W, Triac Dimming Lutron Hi-lume 1% 2-wire LED driver (120V forward phase) -LTEA2W	20ft
	PWR-UNV-EL-060	120-277V AC Input, 12V DC Output, 60W, Non-Dimming	30ft
	PWR-UNV-EL-060-Z	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
	PWR-120-EM-040-T	120V AC Input, 24V DC Output, 40W, Triac Dimming Lutron Hi-lume 1% 2-wire LED driver (120V forward phase) -LTEA2W	12ft
	PWR-UNV-EM-060	120-277V AC Input, 24V DC Output, 60W, Non-Dimming	18ft
	PWR-UNV-EM-060-Z	120-277V AC Input, 24V DC Output, 60W, 0-10V Dimming (100-10%)	18ft
	PWR-UNV-EM-100	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>		
	SSD-120	120V Branch Circuit
	SSD-277	277V Branch Circuit

POWER FEED CABLES <small>Additional lengths available, contact factory</small>		
	PFC3-F-12-36	Female Connector, 12V for 2.0W/ft, Standard LED spacing, 36 inches
	PFC3-F-24-36	Female Connector, 24V, for 3.3W/ft, Dense Pack LED spacing, 36 inches

JUMPER FEED CABLES <small>Additional lengths available, contact factory</small>		
	JFC3-MF-12-18	Male/Female, 12V, 18 inches
	JFC3-MF-24-18	Male/Female, 24V, 18 inches

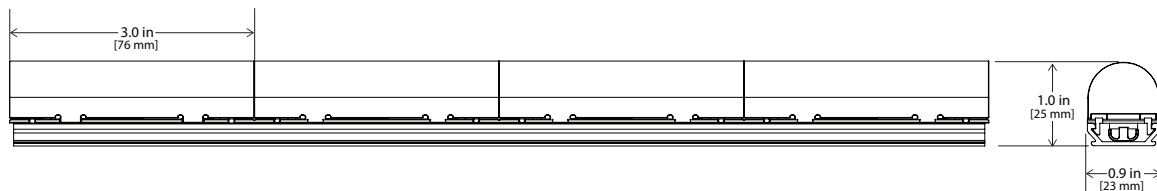
MOUNTING HARDWARE		
	C3A-MTGBRKT-SURF	Set of 25 Mounting clips (screws included) 18" maximum recommended spacing between mounting clips.
	C3A-MTGBRKT-SURF-20	Set of 25, 20° Mounting clips (screws included) 18" maximum recommended spacing between mounting clips.
	C3A-MTGBRKT-SHIELD	Extruded aluminum mounting bracket with light shield, 6ft, clear anodized standard. Contact factory for additional finish options.

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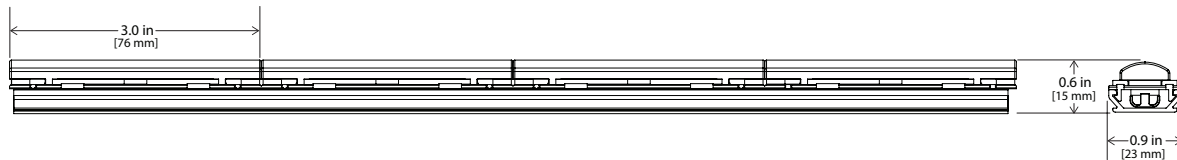
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DIMENSIONAL INFORMATION

WITH HALF ROUND LENS

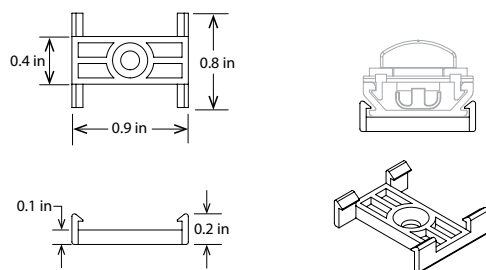


WITH CONVEX LENS



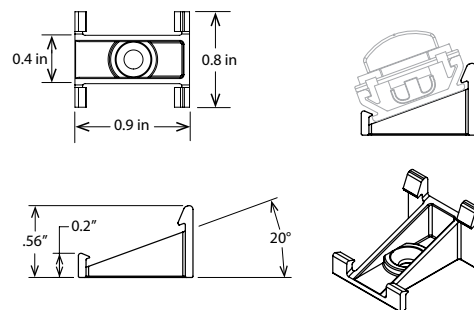
MOUNTING HARDWARE

C3A-MTGBRKT-SURF

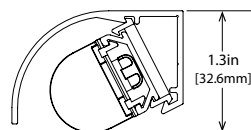
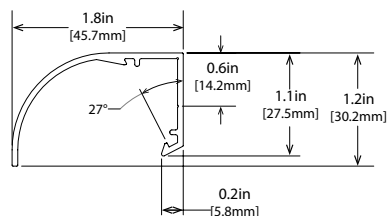


18" maximum recommended spacing between mounting clips.

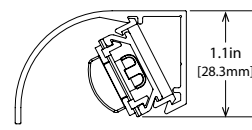
C3A-MTGBRKT-SURF-20



C3A-MTGBRKT-SHIELD



WITH DOME LENS



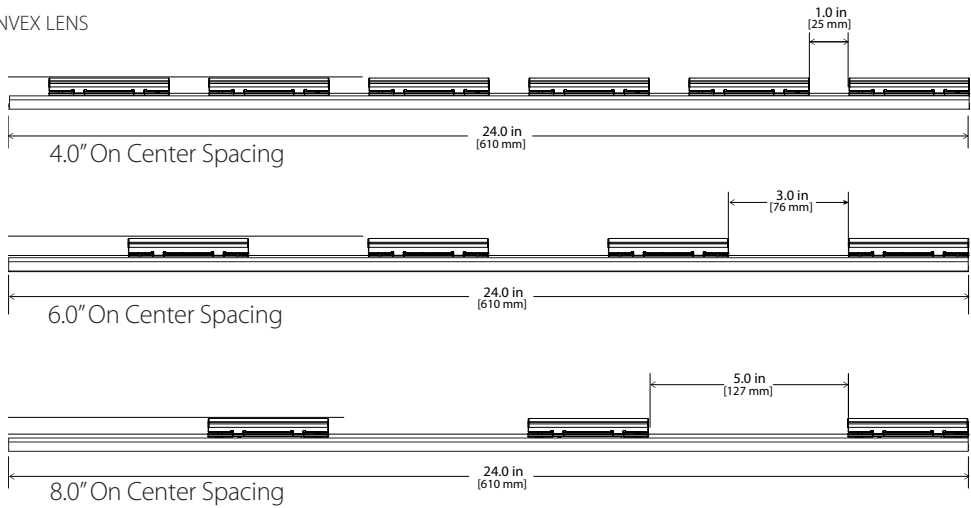
WITH LOW PROFILE LENS

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DIMENSIONAL INFORMATION WITH EXTENDED MODULE SPACING

WITH CONVEX LENS



WITH HALF ROUND 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

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

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