



FlexLED Chameleon 24V (Fully Bendable)

Omni-Directional Bending FlexLED Tape

This tape is bendable in any direction and highly flexible due to the V-shaped cuts in the circuit board as well as a lower amount of copper used. In order to accommodate the reduced copper quantity, this tape is less dense, less bright and draws less watts/meter than our standard FlexLED. However, it is extremely useful in many situations where standard linear FlexLED will not work.

Suitable for residential, television, industrial, commercial applications and signage applications.

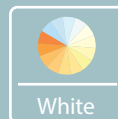
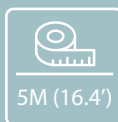
Available in the following variants:

- 2700K
- 3000K
- 4100K
- 5600K
- Dynamic White (Bi-Colour)
- RGB
- RGBA
- RGB+W (2700k / 4100k / 5600k)

3M double-sided tape on the back makes installation as easy as peel n stick.

Controller, power supply and extension cables sold separately. Custom color temperatures available. Please call to inquire.

RGBA variant are currently non-stock items and may take 3 - 4 weeks for delivery.



TECHNICAL SPECIFICATIONS

NO:

WHITE / RGB / RGBA / RGB+W

1	PRODUCT TYPE	CHAMELEON Dynamic White	CHAMELEON White	CHAMELEON RGB	CHAMELEON RGBA	CHAMELEON RGB+W
2	PRODUCT CODE	I24VCHAMBC27604802835	I24VCHAMXX3002835	I24VCHAMRGB2105050	I24VCHAMRGBA2405050	I24VCHAMRGBWXX2405060
3	CRI / TLCI	≥90	≥90	N / A		≥90
4	COLOUR TEMP. OR WAVELENGTH	2700k - 6000k	2700K / 3000K / 4100K / 5600K	RGB	RGBA	Colour Changing + 2700K/ 5600K
5	PCB COLOUR	WHITE				
6	CURRENT, RATING / METER	0.625A	0.45A	0.42A	0.64A	0.64A
7	VOLTAGE	24 VDC				
8	WATTAGE / METER	15 W	10.8 W	10 W	15.36 W	15.4 W
9	CC / CV	CONSTANT VOLTAGE				
10	IP RATING	IP43				
11	LUMENS/METER@FULL	TBD	926.4 lm / METER @ 2700K 1097 lm / METER @ 5600K	TBD		345.4 lm / meter @ 5600K @ Full
12	LUMEN / WATT		83.32 @ 2700K - 98.52 @ 5600K	N / A		87.6
13	LIFETIME*	30,000 HOURS (5 YEAR WARRANTY)				
14	CUTTING LENGTH	12.4 CM	10 CM	14.1 CM	12.5 CM	
15	LEDS/METER QUANTITY	96	60	42	48	
16	NUMBER OF CONTACTS	3	2	4	5	
17	LED TYPE	2835	2835	5050		
18	PCB COPPER QUANTITY	1 Oz. (low copper count for flexibility)				
19	OPERATING TEMPERATURE RANGE	-40° TO +70° C				
20	AGENCY RATINGS	UL - E489028, CE, RoHS				
21	PCB WIDTH	12MM	6.5MM	12MM		
22	MAXIMUM RECOMMENDED LENGTH	5 METERS	2 METERS	5 METERS		
23	VIEWING ANGLE	120°				
24	ADHESION	3M 200MP				

* - NOMINAL LIFETIME BASED ON IDEAL INSTALLATION LOCATION CONDITIONS & ASSUMING MAXIMUM OF 16 HOURS PER DAY OF USE

TECHNICAL SPECIFICATIONS

FLEXLED CHAMELEON SKU ORDERING CODES

I	24	V	CHAM	XXXX	27	300	XXXX	-	-	-
1	2	3	4	5	6	7	8	9	10	11
IP Rating (IP43)	Operating Voltage	Voltage	Series	Colour Temperature Range	Kelvin	LED Qty.	LED Chip Type	PCB Colour	PCB Coating	Connector

1 IP Rating I IP41 - Indoor Use Only O IP65 - Weatherproof W IP68 - Waterproof	2 Voltage 24V 24VDC (Standard) 12V 12VDC (Standard) 5-36V Custom Order	3 Voltage Type V Constant Voltage (Standard) C Constant Current (Optional)	1 Family Series CHAM Chameleon	5 Colour Range - White BC Dynamic White (Bi-Colour) RGB Red Green Blue RGBA Red Green Blue Amber RGBWXX Red Green Blue White
6 Colour Temperature 27 2700K 30 3000K 41 4100K 56 5600K	6 LED Chip 2835 2835 Chip Size 5050 5050 Chip Size	7 LEDs per 5 meter Reel 300 300 LEDs (Standard White) 210 210 LEDs (Standard RGB) 240 240 LEDs (Standard RGBW/A) 480 480 LEDs (Standard BC)	8 PCB Colour Options - White (Standard - Not Shown) B Black (Optional) G Green (Optional) R Red (Optional) Y Yellow (Optional) L Blue (Optional)	9 PCB Coating - No Coating (Standard) GS ENIG Gold Series
				10 Connector - No Connector (Standard) DC DC 2.5 X 5.1MM Barrel Connector SPM 5-Pin Male

Lead time for custom products are typically 6 - 8 weeks. Please contact us to discuss your project requirements.

INSTALLATION NOTES

Follow all instructions on bag label

Install indoor product in dry locations only

Weatherproof is rated at IP67 and Waterproof is rated at IP68.

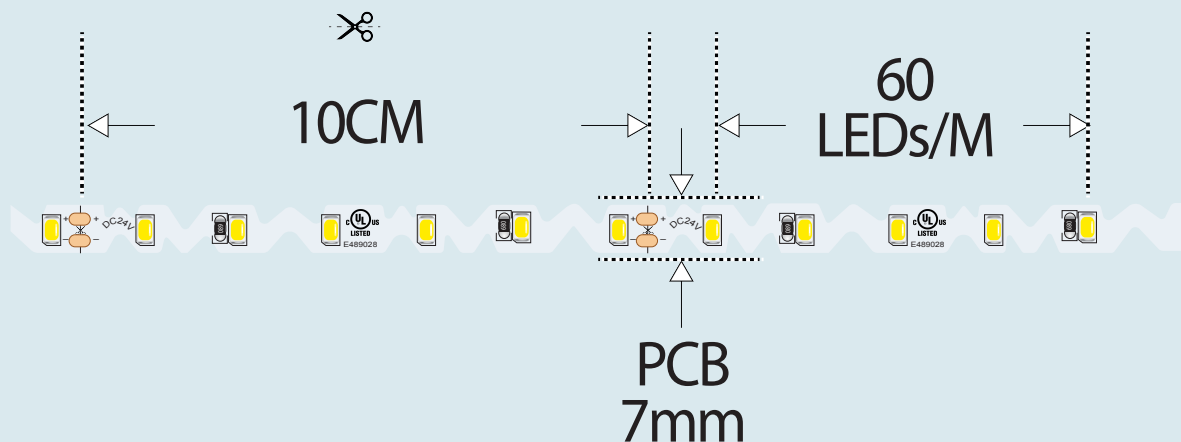
Waterproof FlexLED must be mounted using silicone (not provided)

Soldering Guidelines:

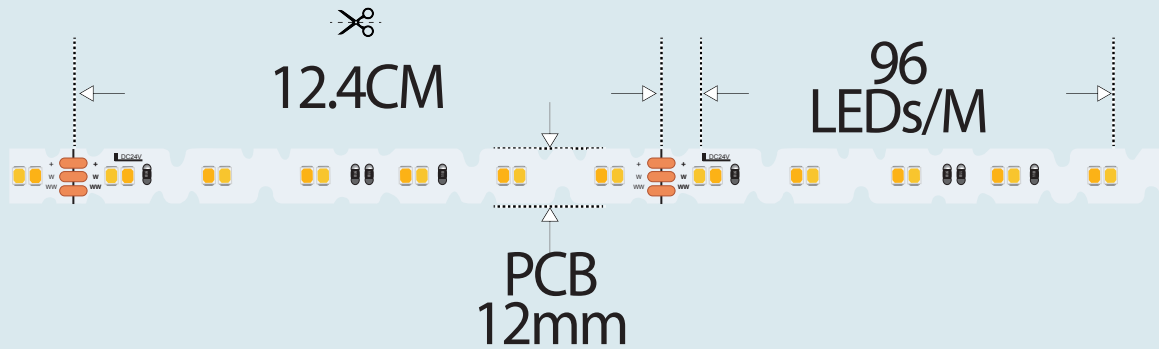
Soldering iron should be between 360°C and 372°C.

Please ensure not to heat each solder pad for longer than 3 seconds otherwise separation of the solder pads can occur.

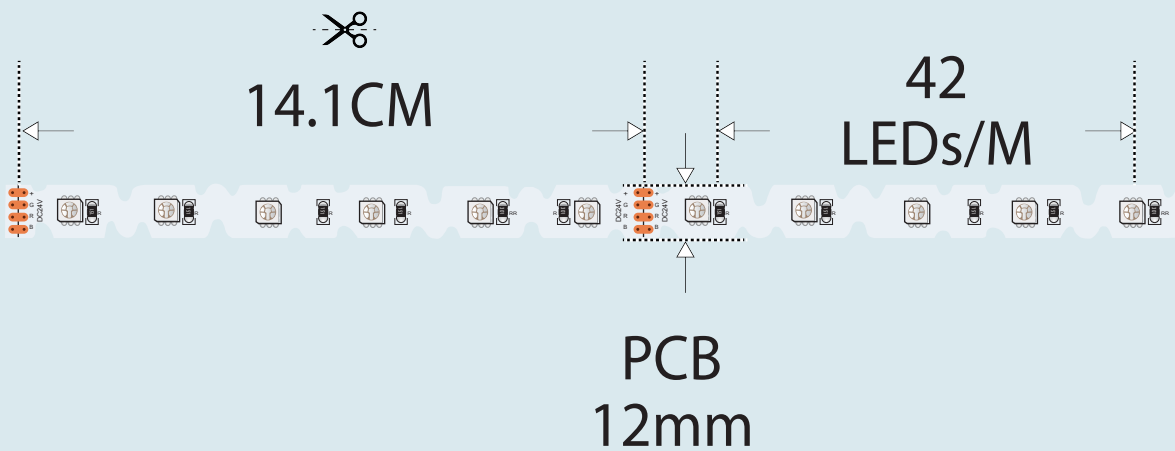
White 60 LED/meter Dimensional Diagram



Dynamic White 96 LED/meter Dimensional Diagram



RGB 42 LEDs/meter Dimensional Diagram



RGBW & RGBA 48 LEDs/meter Dimensional Diagram

