



Auto-Dimming high density FlexLED Tape

1800K - 2700K CRI >90

New for the residential and commercial markets is our Dim-To-Warm (Auto-Dim) FlexLED strip. Designed to work with any PWM dimming circuit it starts at 2700k when at full and smoothly dims down to 1800k both reducing brightness and colour temperature at the same time. High density of 224 LED/meter and high CRI allows for mimicking of traditional halogen and incandescent sources. This LED works directly with our FFDCV dimmable drivers and is suitable for most residential, commercial, and industrial lighting systems. (TRIAC / 0-10V / 1-10V / 10V PWM / Potentiometer)

Suitable for residential, industrial, and commercial applications where high CRI white output and auto-dimming is required. Our standard 5 meter reel (16'4") is designed to work within Class 2 parameters drawing only 87 watts.

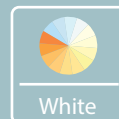
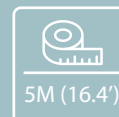
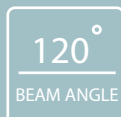
Single bin LED chip ensures CCT accuracy within +/- 100k.

TESA 4965 high tack double-sided tape on the back makes installation as easy as peel n stick. When used in damp or wet locations it is advised to use silicone caulking or glue to ensure proper adhesion.

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.

Controller, Power supply and Extension Cables are sold separately. Custom Color Temperatures are available. Please contact us for specifics.



TECHNICAL SPECIFICATIONS

NO:

WHITE

1	PRODUCT TYPE	Auto-Dim 224
2	PRODUCT CODE	I24VBC182711202216
3	CRI / TLCI	≥90
4	COLOUR TEMP. OR WAVELENGTH	1800K - 2700K
5	PCB COLOUR	WHITE
6	CURRENT, RATING	0.75 A / METER
7	VOLTAGE	24 VDC
8	WATTAGE	18 W / METER
9	CC / CV	CONSTANT VOLTAGE
10	IP RATING	IP43
11	LUMENS/METER@FULL	1678 lm / METER @ FULL
12	LUMEN / WATT	100
13	LIFETIME*	50,000 HOURS (5 YEAR WARRANTY)
14	CUTTING LENGTH	6.25
15	LEDS/METER QUANTITY	224 LED / METER
16	NUMBER OF CONTACTS	2
17	LED TYPE	2216
18	PCB COPPER QUANTITY	3 Oz.
19	OPERATING TEMPERATURE RANGE	-40° TO +70° C
20	AGENCY RATINGS	UL - E489028, CE, RoHS
21	PCB WIDTH	10MM
22	MAXIMUM RECOMMENDED LENGTH	10 METERS
23	VIEWING ANGLE	120°
24	ADHESION	TESA 4965

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

TECHNICAL SPECIFICATIONS

FLEXLED BI-COLOUR SKU ORDERING CODES

-	I	24	V	BC1827	1120	2216	-	-	-
1	1	1	1	1	1	1	1	1	1
1	2	3	4	5	6	7	8	9	10
Series	IP Rating (IP43)	Operating Voltage	Voltage	Colour Temperature Range	LED Qty.	LED Chip	PCB Colour	PCB Coating	Connector

1 Family Series -	2 IP Rating I IP41 - Indoor Use Only O IP67 - Weatherproof Sleeve W IP68 - Waterproof	3 Voltage 24 24VDC (Standard) 12 12VDC (Optional) 5-36 Custom Order	4 Voltage Type V Constant Voltage (Standard) C Constant Current (Optional)	5 Colour Temperature Range BC2756 Bi-Colour 1800k - 2700k Custom CCT ranges available
6 LEDs per 5 meter Reel 1120 224 LED/meter (1120 LEDs)	7 LED Chip 2216 2216 Chip Size	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 Barrel Connector 5PM 5P Male Connector

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)

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Dim-To-Warm (Auto-Dim) FlexLED Dynamic White 1800K - 2700K 24V

