

LED FLEXIBLE STRIP FLEXION CAST

LED Flexible Strip Flexion Cast comes with high flexibility, water proof and easy installation. The LED types allow customers to choose between SMD 3528 and SMD 5050. Both types have their own characteristic, the former are more energy-efficient and cost effective, where the latter emits a brighter light beam. Flexion Cast comes in a protective layer of silicon for a greater protection against water and dust. It is an excellent product to be used with profile lighting.



SPECIFICATIONS

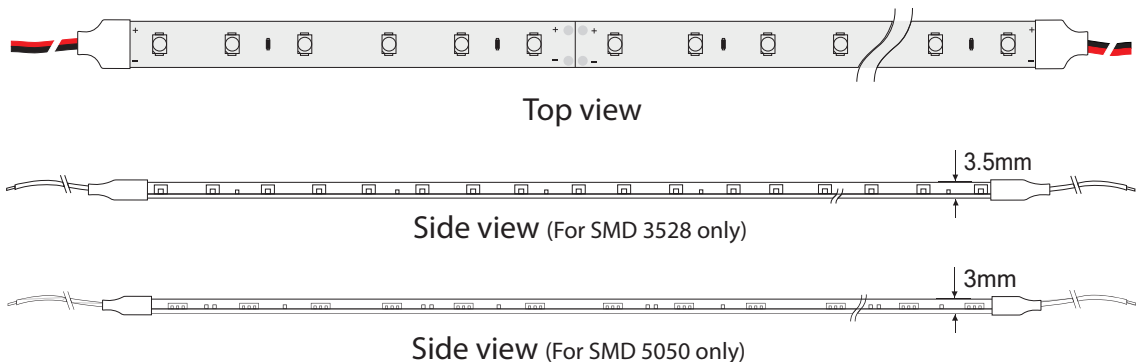
- Power : 5W, 8W, 10W, 12W, 15W & 19W (based on LED types)
- CCT : 2700K, 3000K, 4000K, Red, Green, Blue & Yellow
- LED type : SMD 3528 & SMD 5050
- CRI : 80 & 90
- IP Rating : IP65

HIGHLIGHTS

- High flexibility
- Low heat emission
- Field installation friendly

CERTIFICATIONS

- CE
- RoHS



Note:
For more details, please refer
to Dimension Chart in Pg3

LED FLEXIBLE STRIP FLEXION CAST

Technical Specifications

SMD 3528

Article Number		AA-AEG-FA-BCyAF3**	AA-AEE-FA-BCyAF3**	AA-AEC-FA-BCyAF3**	AA-AEP-FA-BCyAF3**
Optical	Brightness	320lm/ Meter ¹ , 250lm/ Meter ²	640lm/ Meter ¹ , 500lm/ Meter ²	960lm/ Meter ¹ , 750lm/ Meter ²	1280lm/ Meter ¹ , 1000lm/ Meter ²
	LED type	SMD 3528	SMD 3528	SMD 3528	SMD 3528
	Beam angle	120°	120°	120°	120°
Environmental	Operating temperature	-20°C - 40°C	-20°C - 40°C	-20°C - 40°C	-20°C - 40°C
	Operating humidity range	0 - 90%RH	0 - 90%RH	0 - 90%RH	0 - 90%RH
	Ingress protection	IP65	IP65	IP65	IP65
	LED lifetime	50,000Hours	50,000Hours	50,000Hours	50,000Hours
Power	Mains input	24VDC	24VDC	24VDC	24VDC
	Power consumption maximum	5W/ Meter	10W/ Meter	15W/ Meter	19W/ Meter
Physical	Number of LEDs	60pcs/ Meter	120 pcs/ Meter	180 pcs/ Meter	240 pcs/ Meter
	Housing	Polymer	Polymer	Polymer	Polymer
	Dimensions	10(W) x 3.5(H) mm	10(W) x 3.5(H) mm	10(W) x 3.5(H) mm	10(W) x 3.5(H) mm

SMD 5050

Article Number		AA-AEK-FA-BCyAF1**	AA-AEL-FA-BCyAF1**	AA-AEC-FA-BCyAF1**
Optical	Brightness	480lm/ Meter ¹ , 375lm/ Meter ²	768lm/ Meter ¹ , 600lm/ Meter ²	960lm/ Meter ¹ , 750lm/ Meter ²
	LED type	SMD 5050	SMD 5050	SMD 5050
	Beam angle	120°	120°	120°
Environmental	Operating temperature	-20°C - 40°C	-20°C - 40°C	-20°C - 40°C
	Operating humidity range	0 - 90%RH	0 - 90%RH	0 - 90%RH
	Ingress protection	IP65	IP65	IP65
	LED lifetime	50,000Hours	50,000Hours	50,000Hours
Power	Mains input	24VDC	24VDC	24VDC
	Power consumption maximum	8W/ Meter	12W/ Meter	15W/ Meter
Physical	Number of LEDs	30 pcs/ Meter	48 pcs/ Meter	60 pcs/ Meter
	Housing	Polymer	Polymer	Polymer
	Dimensions	10(W) x 3(H) mm	10(W) x 3(H) mm	10(W) x 3(H) mm

** Note :

y = Color Temperature

A= 2700K CRI>80, L= 2700K CRI>90

B= 3000K CRI>80, M= 3000K CRI>90

C= 4000K CRI>80, O= 4000K CRI>90

H= Red, J= Green, I= Blue, K= Yellow

¹ = Lumen (White, CRI>80), ² = Lumen (White, CRI>90)

** All specifications are subjected to change without prior notice.

** Red, Green, Blue & Yellow do not come with brightness.

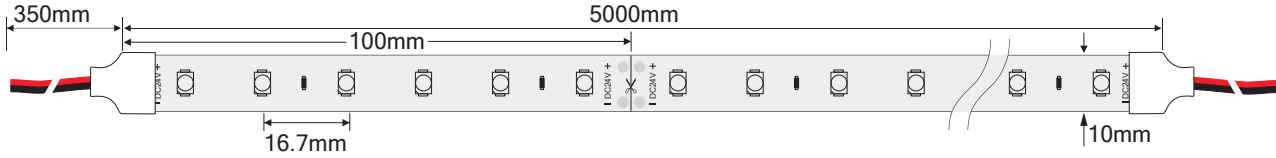
** Light strip with 12VDC input is available upon request

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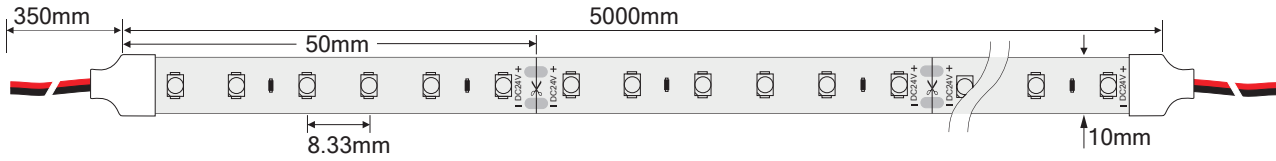
Dimension Chart

SMD 3528

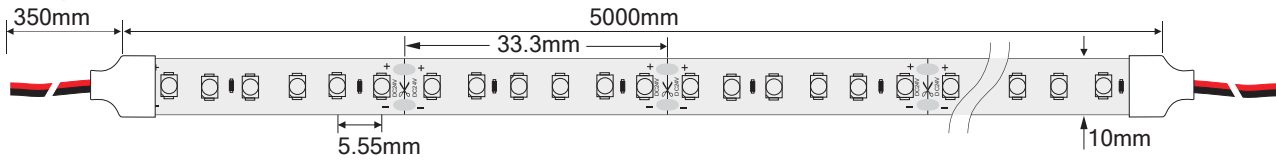
60 pcs LED/ Meter



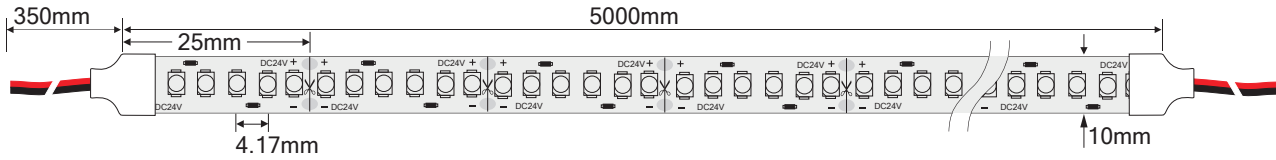
120 pcs LED/ Meter



180 pcs LED/ Meter

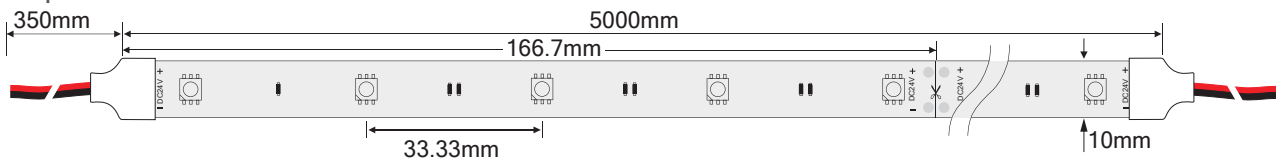


240 pcs LED/ Meter

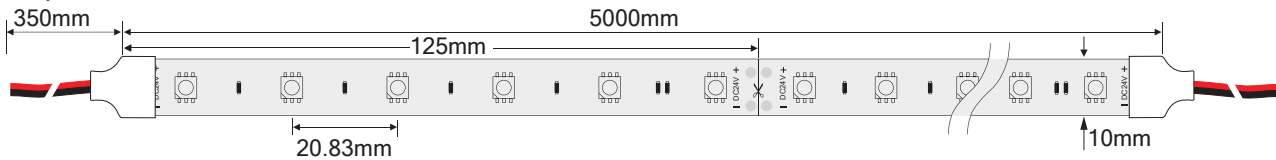


SMD 5050

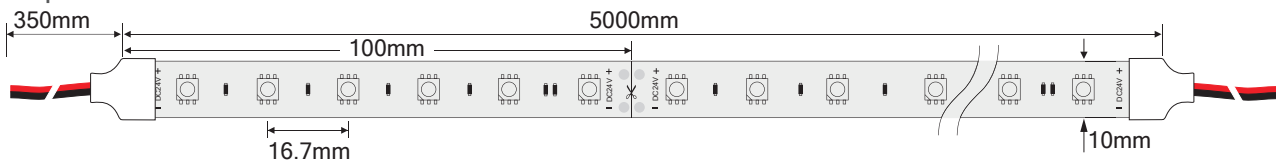
30 pcs LED/ Meter



48 pcs LED/ Meter



60 pcs LED/ Meter



Note:

1. Tolerance for dimensions = ±1mm

* 240pcs LED/ Meter (SMD3528) Flexion Cast have 1 LED covered by the sleeve at each ends