

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

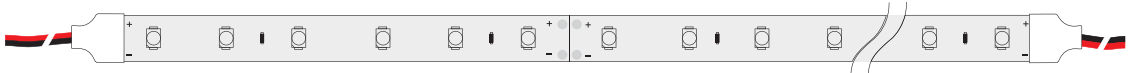
- Power : 5W, 8W, 10W, 12W, 15W & 19W (based on LED types)
- CCT : 2700K, 3000K, 4000K, Red, Green, Blue & Yellow
- LED type : SMD 3528 & SMD 5050
- CRI : 80 & 90
- IP Rating : IP65

HIGHLIGHTS

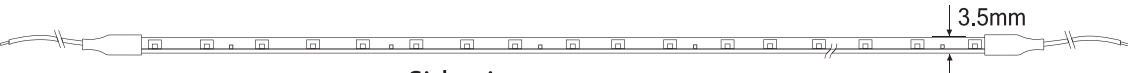
- High flexibility
- Low heat emission
- Field installation friendly

CERTIFICATIONS

- CE
- RoHS



Top view



Side view (For SMD 3528 only)



Side view (For SMD 5050 only)

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	Silicon Rubber	Silicon Rubber	Silicon Rubber	Silicon Rubber
	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	Silicon Rubber	Silicon Rubber	Silicon Rubber
	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)

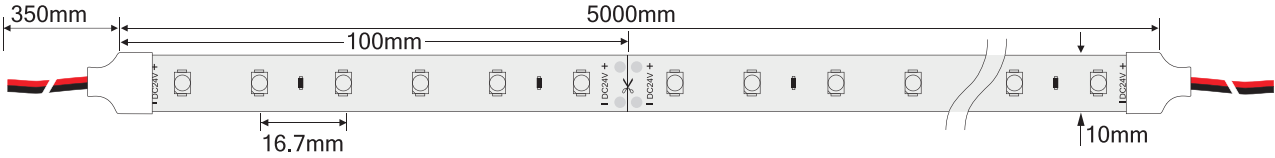
** All specifications are subjected to change without prior notice.

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

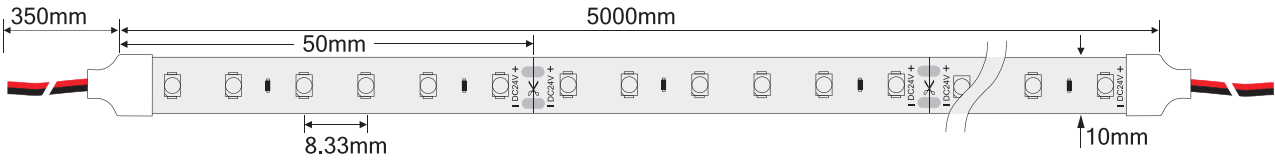
LED FLEXIBLE STRIP FLEXION CAST Dimension Chart

SMD 3528

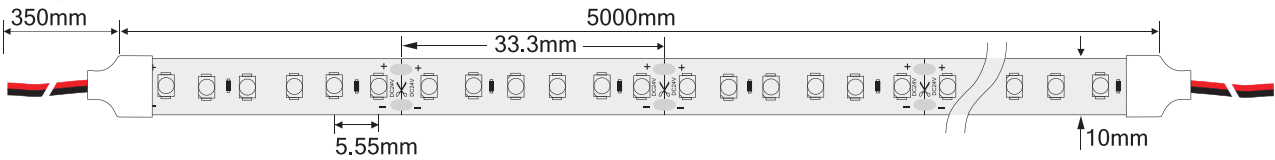
60 pcs LED/ Meter



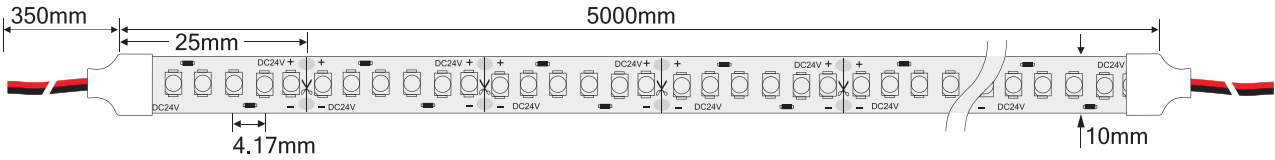
120 pcs LED/ Meter



180 pcs LED/ Meter

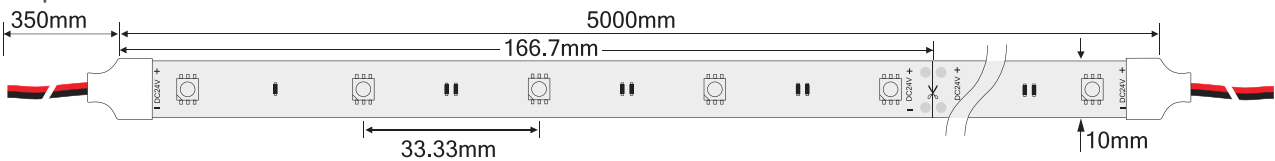


240 pcs LED/ Meter

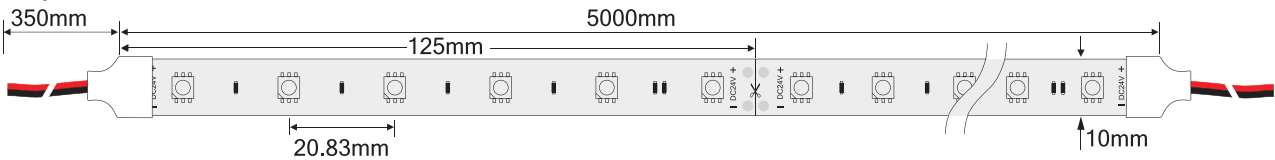


SMD 5050

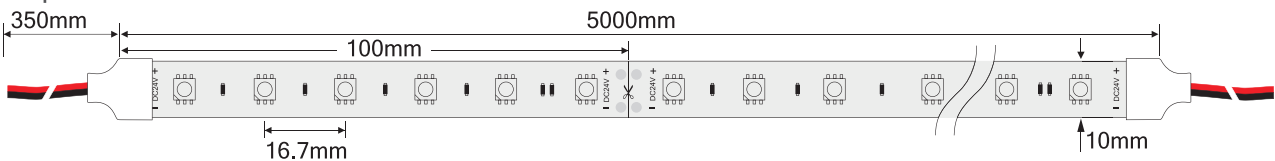
30 pcs LED/ Meter



48 pcs LED/ Meter



60 pcs LED/ Meter



Note:

1. Tolerance for dimensions = ± 1 mm

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

LED FLEXIBLE STRIP FLEXION SLEEVE

LED Flexible Strip Flexion Sleeve comes with high flexibility, water proof and easy installation. Flexion Sleeve is protected by a layer of silicon cover, however that does not obstruct the flexibility of the strip. Whether it is for home or commercial area, Flexion Sleeve is very easy to install and made to be customized to personal preferences and surroundings to create the perfect ambience and at the same time making sure energy spending saved.



SPECIFICATIONS

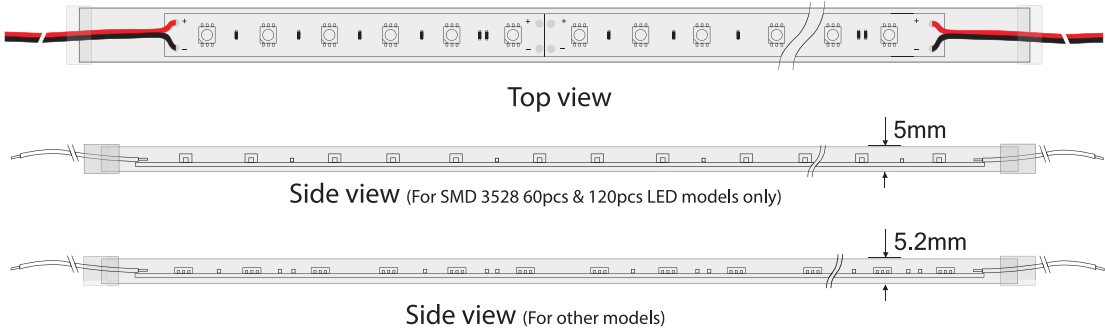
- Power : 5W, 8W, 10W, 12W & 15W (based on LED types)
- CCT : 2700K, 3000K, 4000K, Red, Green, Blue & Yellow
- LED type : SMD 3528 & SMD 5050
- CRI : 80 & 90
- IP Rating : IP68

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 SLEEVE

Technical Specifications

SMD 3528

Article Number		AD-AEG-FA-BCyAF3**	AD-AEE-FA-BCyAF3**	AD-AEC-FA-BCyAF3**
Optical	Brightness	320lm/ Meter ¹ , 250lm/ Meter ²	640lm/ Meter ¹ , 500lm/ Meter ²	960lm/ Meter ¹ , 750lm/ Meter ²
	LED type	SMD 3528	SMD 3528	SMD 3528
	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	IP68	IP68	IP68
	LED lifetime	50,000Hours	50,000Hours	50,000Hours
Power	Mains input	24VDC	24VDC	24VDC
	Power consumption maximum	5W/ Meter	10W/ Meter	15W/ Meter
Physical	Number of LEDs	60 pcs/ Meter	120 pcs/ Meter	180 pcs/ Meter
	Housing	Silicon Rubber	Silicon Rubber	Silicon Rubber
	Cover	Silicon Rubber	Silicon Rubber	Silicon Rubber
	Dimensions	10.8(W) x 5(H) mm	10.8(W) x 5(H) mm	13(W) x 5.2(H) mm

SMD 5050

Article Number		AD-AEK-FA-BCyAF1**	AD-AEL-FA-BCyAF1**	AD-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	IP68	IP68	IP68
	LED lifetime	50,000Hours	50,000Hours	50,000Hours
Power	Mains input	24VDC	24VDC	24VDC
	Power consumption maximum	7W/ Meter	12W/ Meter	15W/ Meter
Physical	Number of LEDs	30 pcs/ Meter	48 pcs/ Meter	60 pcs/ Meter
	Housing	Silicon Rubber	Silicon Rubber	Silicon Rubber
	Cover	Silicon Rubber	Silicon Rubber	Silicon Rubber
	Dimensions	13(W) x 5.2(H) mm	13(W) x 5.2(H) mm	13(W) x 5.2(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.

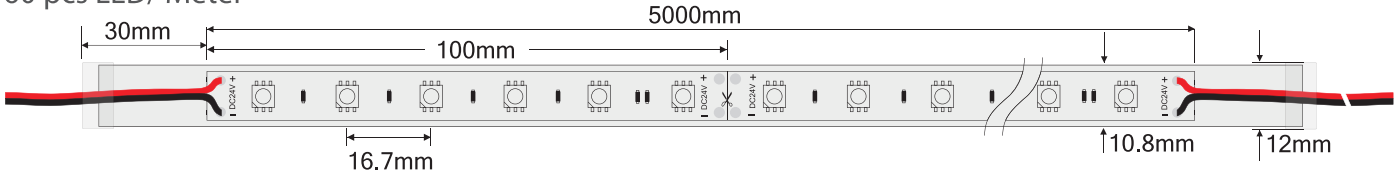
** Red, Green, Blue & Yellow do not come with brightness.

LED FLEXIBLE STRIP FLEXION SLEEVE

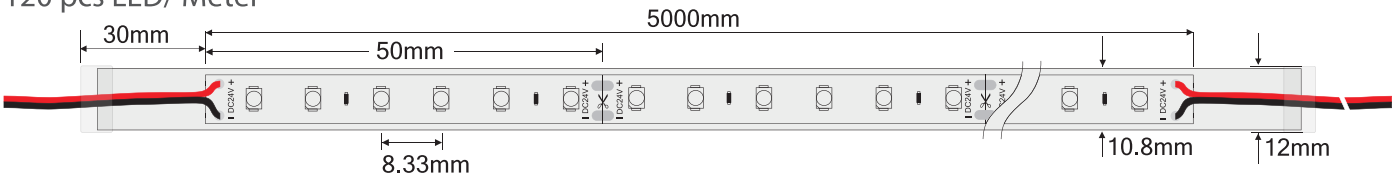
Dimension Chart

SMD 3528

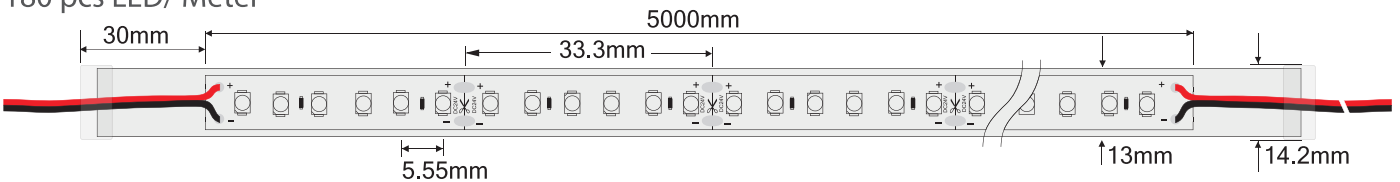
60 pcs LED/ Meter



120 pcs LED/ Meter

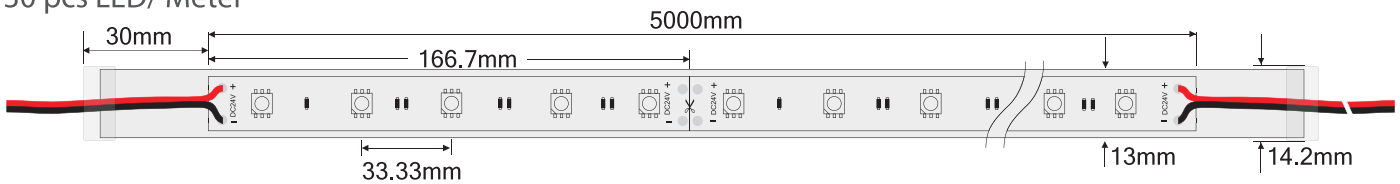


180 pcs LED/ Meter

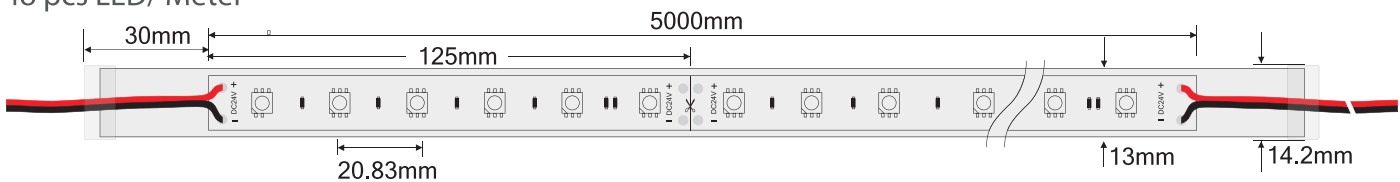


SMD 5050

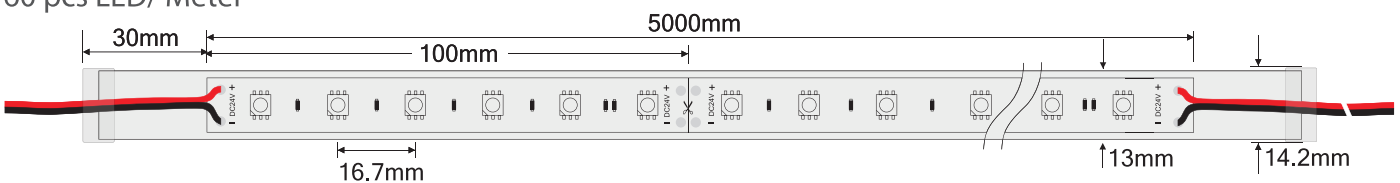
30 pcs LED/ Meter



48 pcs LED/ Meter



60 pcs LED/ Meter



Note:

1. Tolerance for dimensions = $\pm 1\text{mm}$