

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

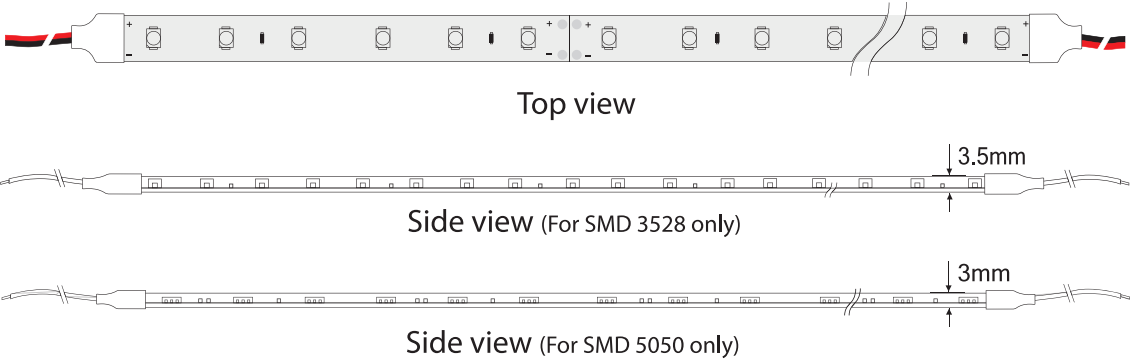
- Power : 5W, 8W, 10W, 12W, 15W & 19W (based on LED types)
- CCT : 2700K, 3000K, 4000K, Red, Green, Blue & Yellow
- LED type : SMD 3528 & SMD 5050
- CRI : 80 & 90
- IP Rating : IP65

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 | 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)

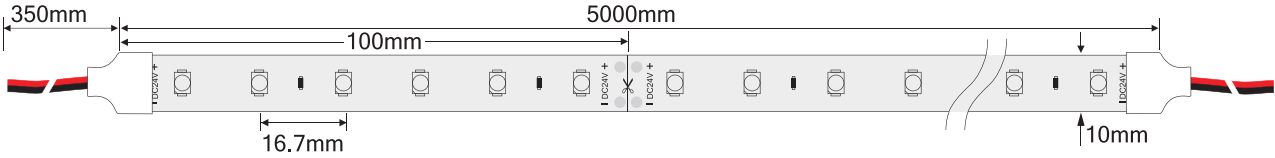
** All specifications are subjected to change without prior notice.

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

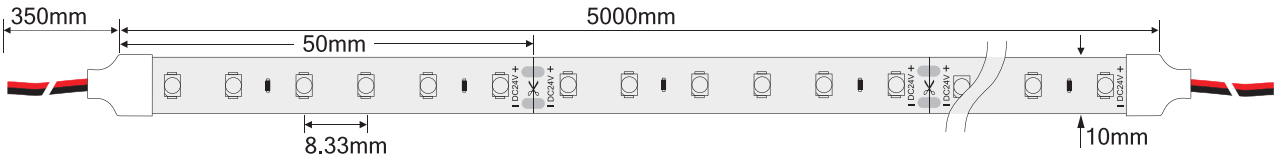
LED FLEXIBLE STRIP FLEXION CAST Dimension Chart

SMD 3528

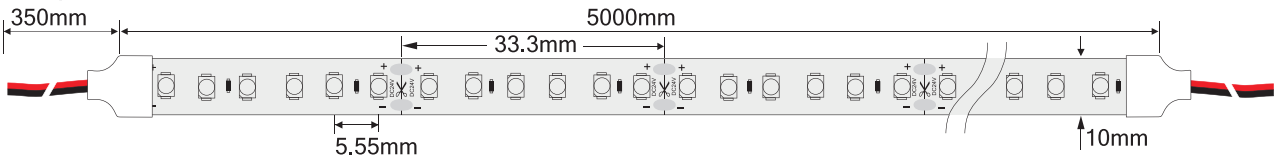
60 pcs LED/ Meter



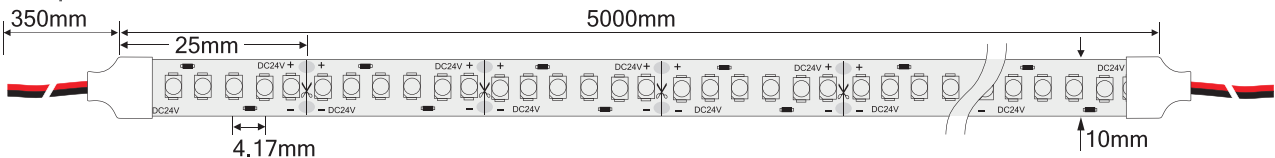
120 pcs LED/ Meter



180 pcs LED/ Meter

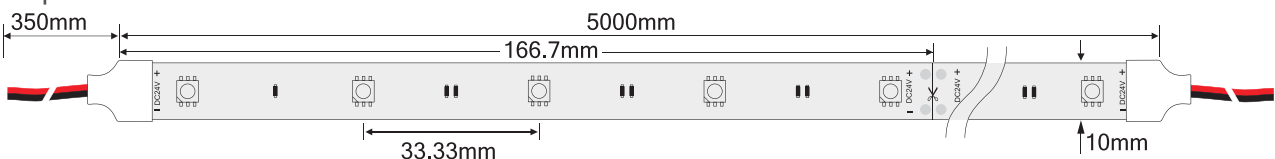


240 pcs LED/ Meter

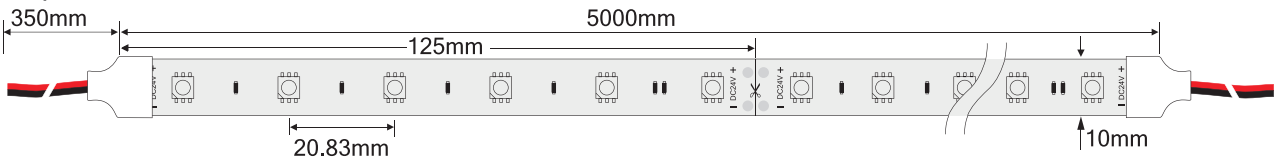


SMD 5050

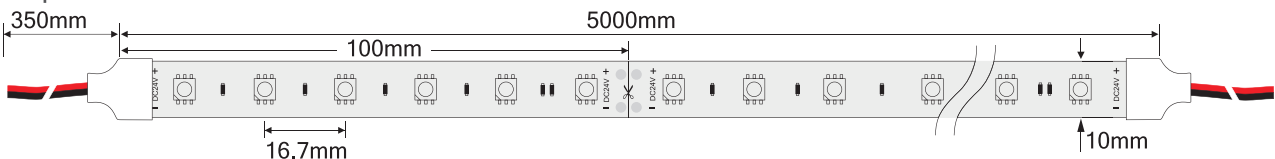
30 pcs LED/ Meter



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