KPLED

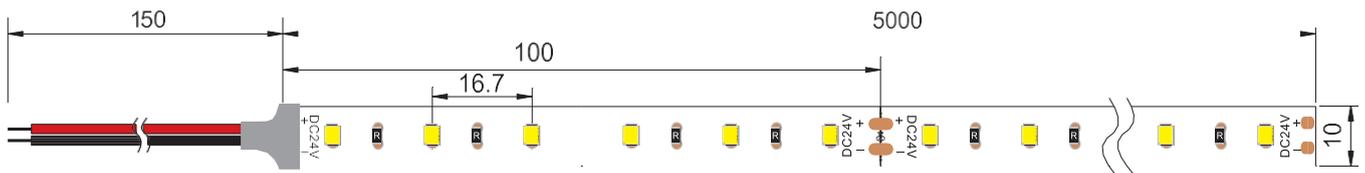Model:KP0030-32, KP0047-49

SMD2835 60LEDs/m

SMD 2835

Product Features

Good chip with golden wire

Thick copper double-sided PCB

12V 24V DC input

Geniue 3M tape on backaside

Easy to cut in 50mm or 100mm

segments (based od voltage)

Structure & Parameter (24V DC)

Optical Parameter

Model No.	KP0030-32, KP0047-49
Input voltage	DC 12 / 24V
Power/m	12W/M
Max current / LED	50mA
CRI(Ra)	>80 (90-95 – KP0047-49)
Color temperature	3000/4000/6000K
Lumen / m	1150-1380LM/m

Basic Parameter

LED Q'ty/m	60/m
SMD Type	2835
Working hour	30000h
Warranty	5 years
Working temperture	-20℃~+45℃
Minim cuttable length	50mm(12V)100mm(24V)
PCB Width	10mm

Bin Range of Chromaticity Coordinate

| CCT	Bin code Bin		CIE-X	CIE-Y
6500k	65B	6200-6800	0.313	0.337
6000K	60B	5800-6300	0.322	0.336
5000K	50B	4800-5200	0.346	0.359
4000K	40B	3800-4200	0.380	0.380
3500k	35B	3250-3650	0.409	0.394
3000K	30B	2900-3100	0.44	0.403
2700K	27B	2600-2800	0.463	0.42

CIE Chromaticity Diagram
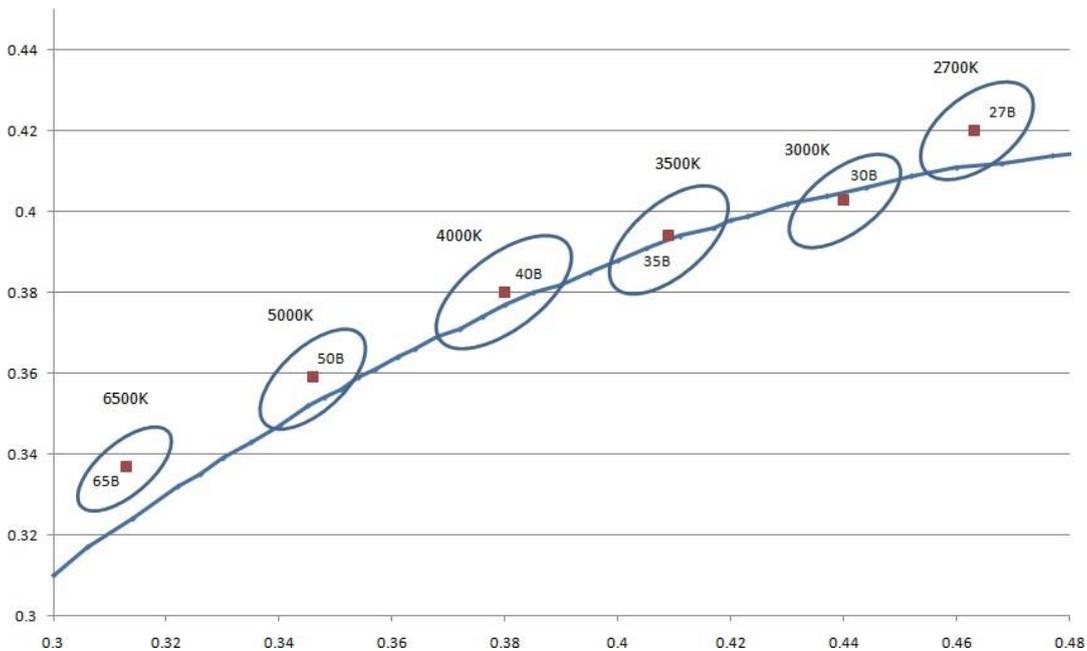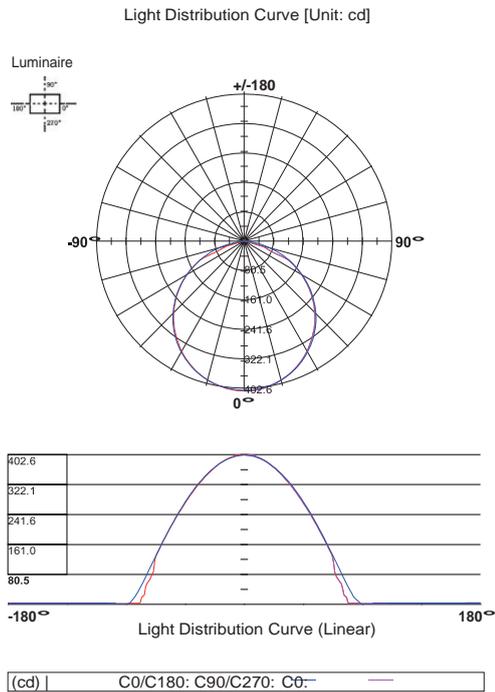
Voltage & Current Curve
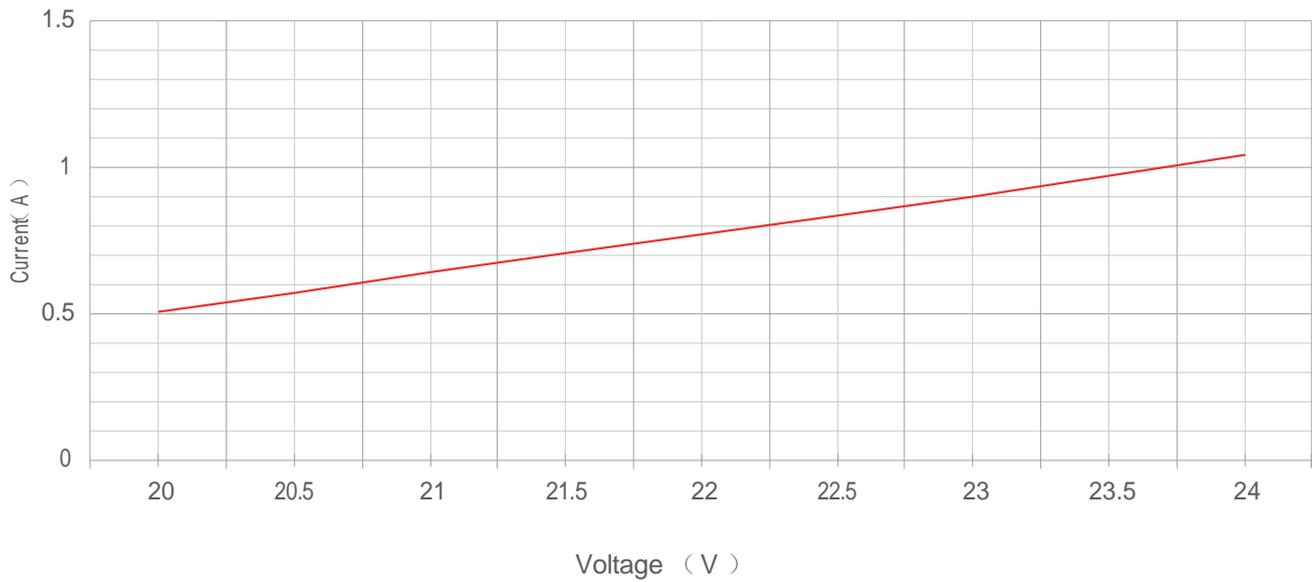
Note: This curve is tested when the IP20 1M LED Strip is under thermal stability after 2h continuous working in 15℃ room temperature.
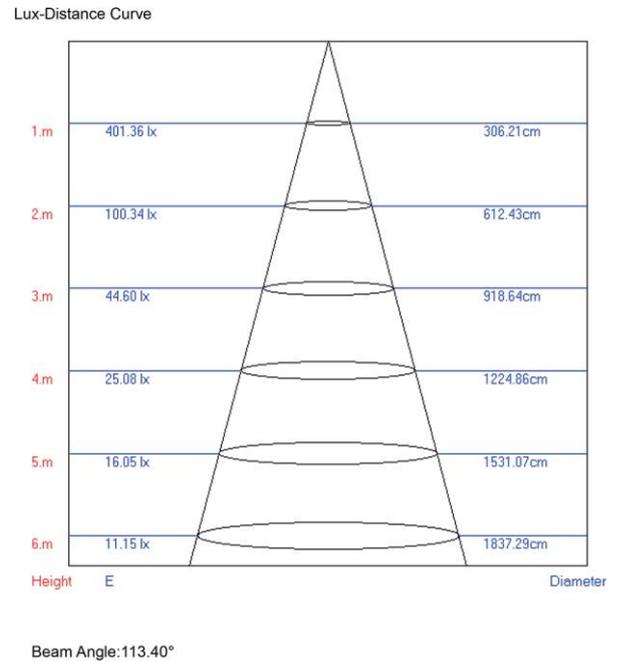
Temperature & Current Curve
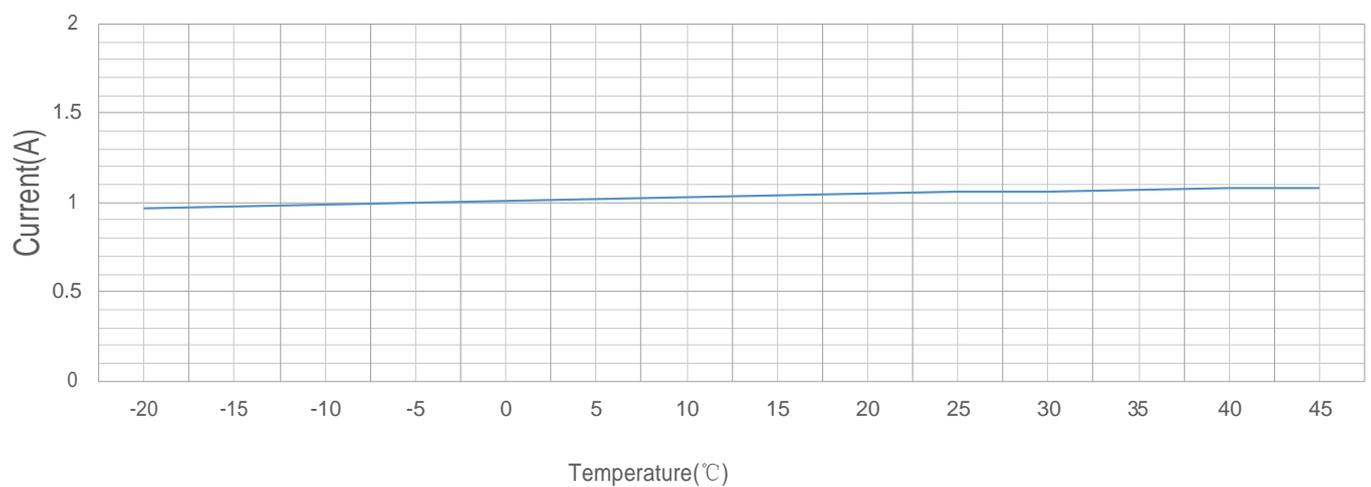
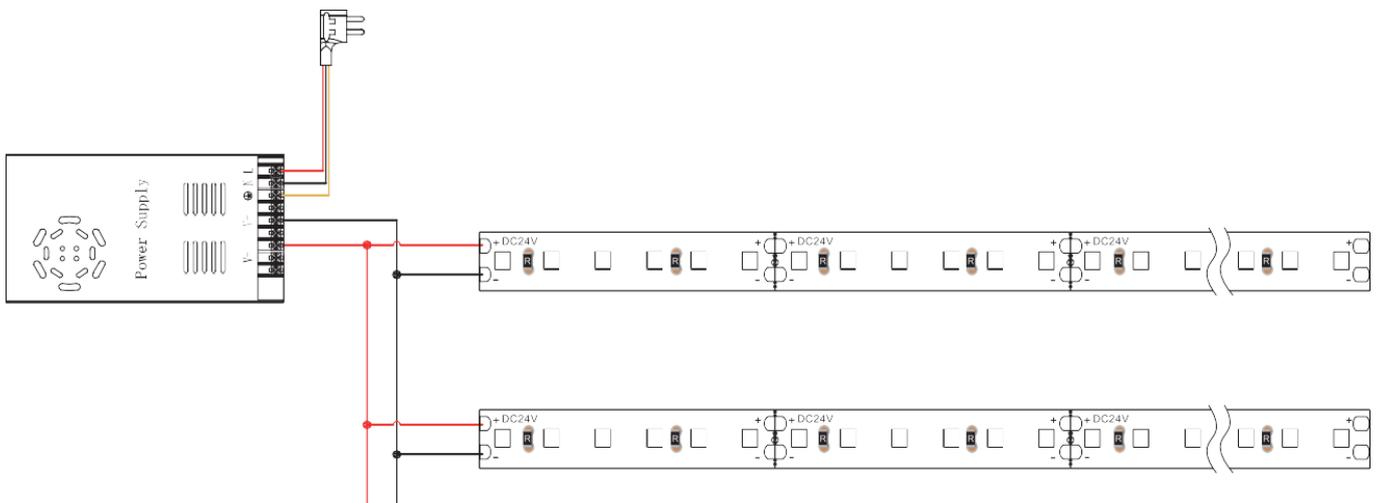Note: This curve is test data of 1M LED Strip.

Light Distribution Curve

Light Distribution Curve [Unit: cd]

Luminaire

+/-180

-90   90

0

402.6
322.1
241.6
161.0
80.5

-180   180

Light Distribution Curve (Linear)

(cd) | C0/C180: C90/C270: C0:

Light Distribution Curve

Lux-Distance Curve

Height	E		Diameter
1.m	401.36 lx		306.21cm
2.m	100.34 lx		612.43cm
3.m	44.60 lx		918.64cm
4.m	25.08 lx		1224.86cm
5.m	16.05 lx		1531.07cm
6.m	11.15 lx		1837.29cm

Beam Angle:113.40°

Wiring Diagram

Power Supply

+DC24V   +DC24V   +DC24V

+DC24V   +DC24V   +DC24V

⚠ Cautions

When install the led strip, please note the installation technique. The led strip can be bent, but not distorted, as shown below.
LED strips needs to be place into aluminium profile to keep warranty, LED profile serves as heat sing to increase lifetime.

R ≥ 50mm
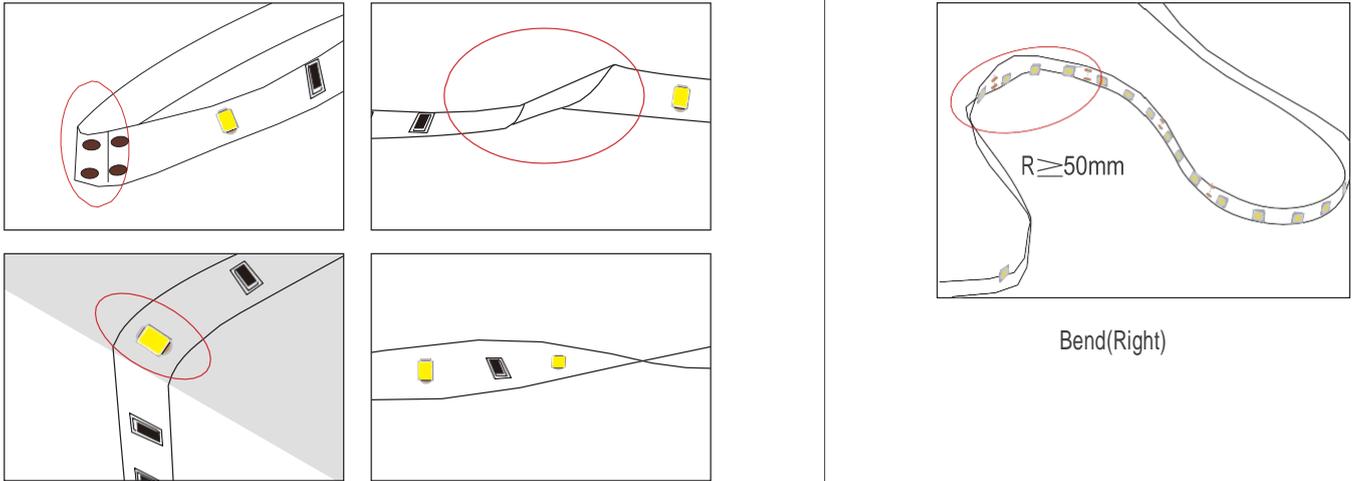
Bend(Right)

Distortion(Wrong)

➤ LED strips are low votage products,you must use the power supply(transformer).Please don,t connect the led strip directly to the AC 110v or AC 220v,otherwise it will burn out the LED strips.

➤ Clean up the installation surface,it will ensure the reliability of the adhesive,The electrical connection process must be operated by a professional person.

Package

LED Strip

Anti-static bag