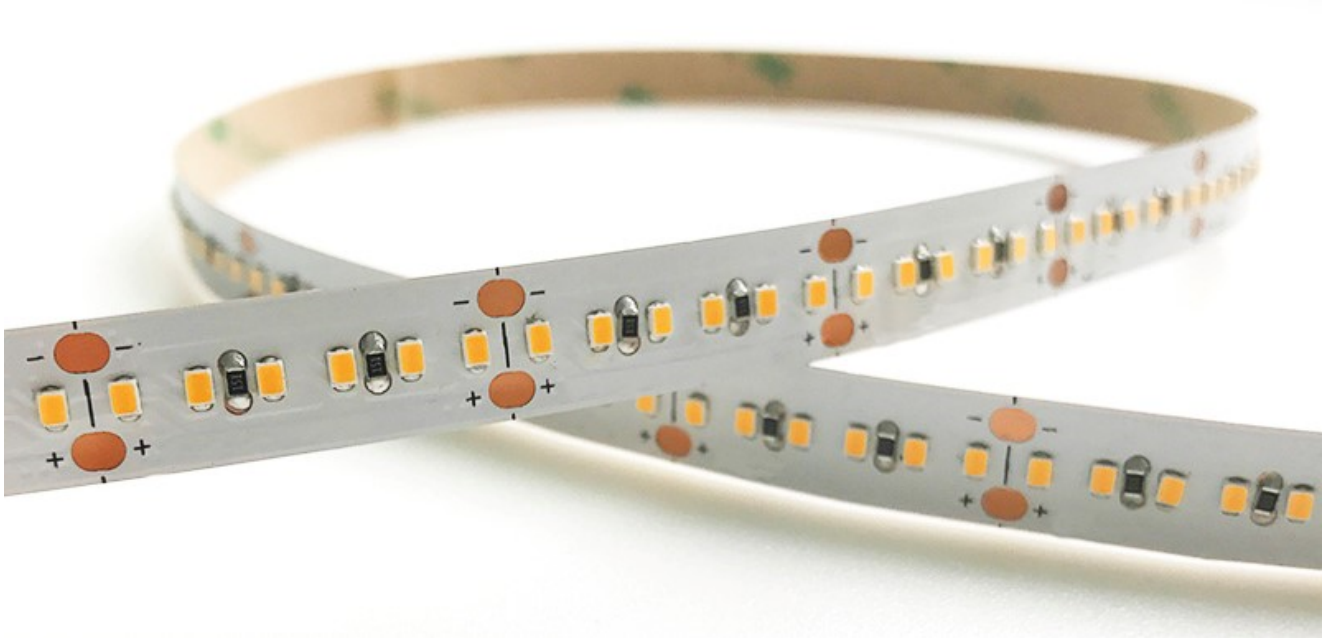
LED – FLEXIBLE LED STRIP **IP20**

LED TYPE: EPISTAR 2216 **CRI>90**



1. Electrical Parameters

Input voltage	DC 24V
IP Grade	IP20
Standard Meter	5 MTS
Wide	8mm
Working temperature	-20 ~+60°C
Storage temperature	-40 ~+60°C
Humidity	40-70% RH
Warranty	3 years
Certification	CE
Viewing Angle	120°
CRI	>90

2. Features and benefits:

- Dimmable 24V constant voltage strip (SELV)
- Small colour tolerance (MacAdam 3)
- Self-adhesive 3M tape at the backside for simple mounting on different surfaces
- High design freedom due to individual cut-options
- Colour temperature 2300, 2700, 3000, 4000 and 6500 K with SDCM3
- System solution in combination with KGP constant voltage LED Driver (fixed output and dimmable)
- LED - Epistar

KGP Electronics GmbH
Hueckstraße 19
DE-58511 Lüdenscheid

3. Optical Parameters

4,8W/m / 120 LEDs/m

Model No.	color temperature	Luminous flux (1 meters)	LED distance	Divisibility	Power
FS048242300R520	2300K	430lm/m	8,3mm	50mm	4,8W/m
FS048242700R520	2700K	445lm/m	8,3mm	50mm	4,8W/m
FS048243000R520	3000K	455lm/m	8,3mm	50mm	4,8W/m
FS048244000R520	4000K	470lm/m	8,3mm	50mm	4,8W/m
FS048246500R520	6500K	485lm/m	8,3mm	50mm	4,8W/m

9,6W/m / 120 LEDs/m

Model No.	color temperature	Luminous flux (1 meters)	LED distance	Divisibility	Power
FS096242300R520	2300K	865lm/m	8,3mm	50mm	9,6W/m
FS096242700R520	2700K	890lm/m	8,3mm	50mm	9,6W/m
FS096243000R520	3000K	915lm/m	8,3mm	50mm	9,6W/m
FS096244000R520	4000K	940lm/m	8,3mm	50mm	9,6W/m
FS096246500R520	6500K	965lm/m	8,3mm	50mm	9,6W/m

14,4W/m / 180 LEDs/m

Model No.	color temperature	Luminous flux (1 meters)	LED distance	Divisibility	Power
FS144242300R520	2300K	1295lm/m	5,6mm	33,33mm	14,4W/m
FS144242700R520	2700K	1330lm/m	5,6mm	33,33mm	14,4W/m
FS144243000R520	3000K	1365lm/m	5,6mm	33,33mm	14,4W/m
FS144244000R520	4000K	1400lm/m	5,6mm	33,33mm	14,4W/m
FS144246500R520	6500K	1450lm/m	5,6mm	33,33mm	14,4W/m

19,2W/m / 240 LEDs/m

Model No.	color temperature	Luminous flux (1 meters)	LED distance	Divisibility	Power
FS192242300R520	2300K	1725lm/m	4,17mm	25mm	19,2W/m
FS192242700R520	2700K	1770lm/m	4,17mm	25mm	19,2W/m
FS192243000R520	3000K	1815lm/m	4,17mm	25mm	19,2W/m
FS192244000R520	4000K	1860lm/m	4,17mm	25mm	19,2W/m
FS192246500R520	6500K	1950lm/m	4,17mm	25mm	19,2W/m

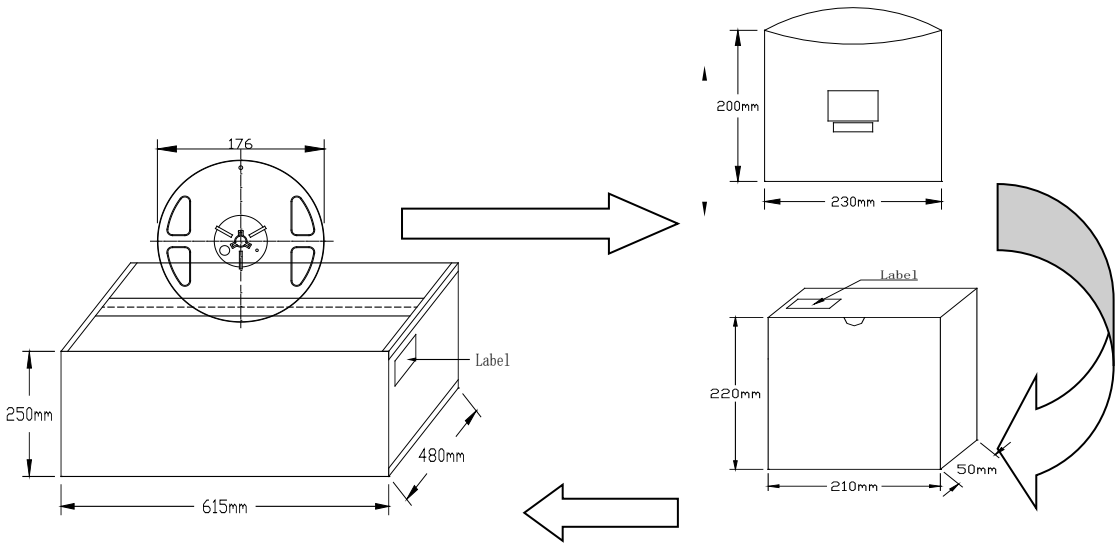
24W/m / 300 LEDs/m

Model No.	color temperature	Luminous flux (1 meters)	LED distance	Divisibility	Power
FS240242300R520	2300K	2155lm/m	3,33mm	20mm	24W/m
FS240242700R520	2700K	2210lm/m	3,33mm	20mm	24W/m
FS240243000R520	3000K	2265lm/m	3,33mm	20mm	24W/m
FS240244000R520	4000K	2320lm/m	3,33mm	20mm	24W/m
FS240246500R520	6500K	2410lm/m	3,33mm	20mm	24W/m

32W/m / 420 LEDs/m

Model No.	color temperature	Luminous flux (1 meters)	LED distance	Divisibility	Power
FS320242300R520	2300K	3020lm/m	2,22mm	16mm	32W/m
FS320242700R520	2700K	3100lm/m	2,22mm	16mm	32W/m
FS320243000R520	3000K	3180lm/m	2,22mm	16mm	32W/m
FS320244000R520	4000K	3260lm/m	2,22mm	16mm	32W/m
FS320246500R520	6500K	3390lm/m	2,22mm	16mm	32W/m

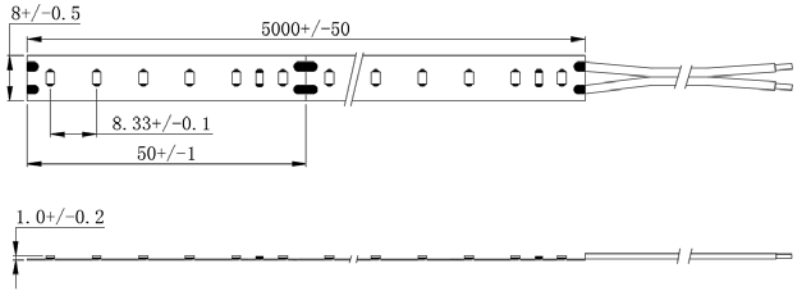
4. Packing:



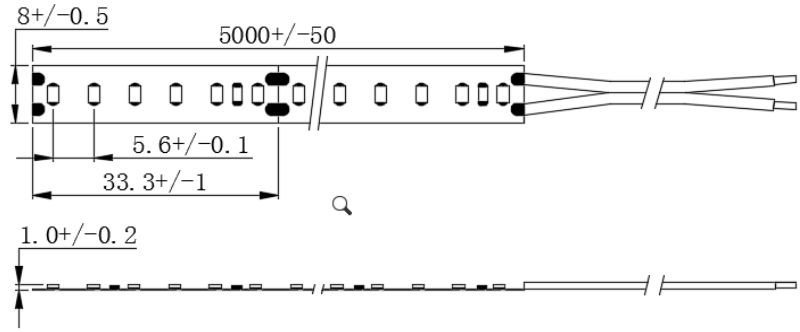
Note: 5 meters/reel, 1 reel/antistatic bag, 4 antistatic bags/box, 20 box/export carton

5. Drawing (5 Meter unit : mm)

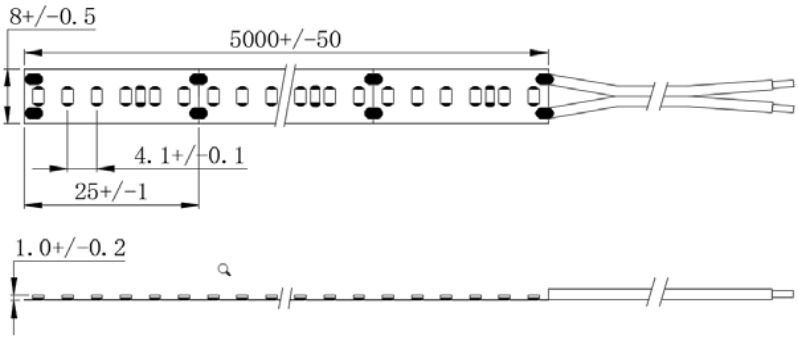
4.8W / 9.6W 120LEDs/m



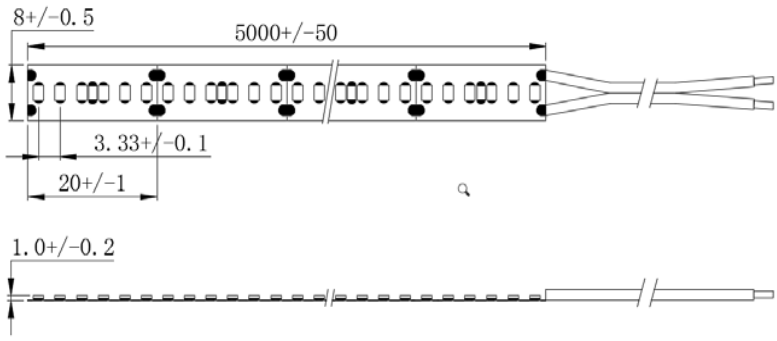
14.4W 180LEDs/m



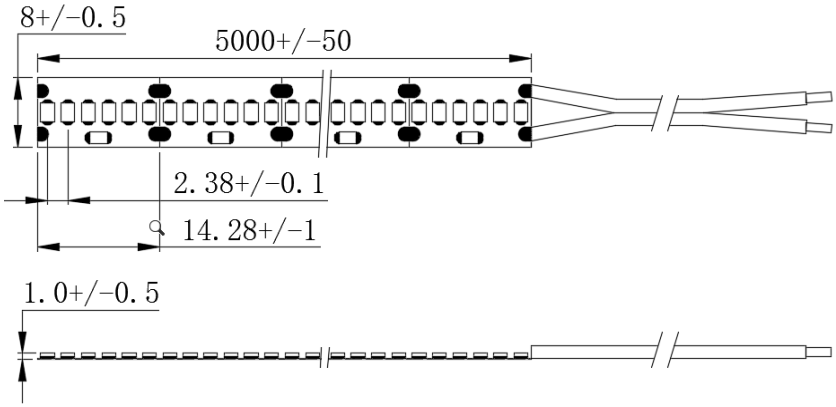
19.2W 240LEDs/m



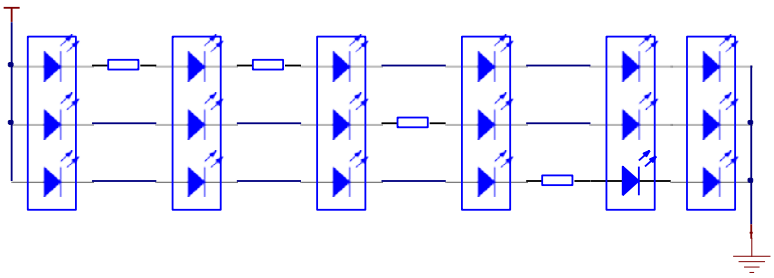
24W 300LEDs/m



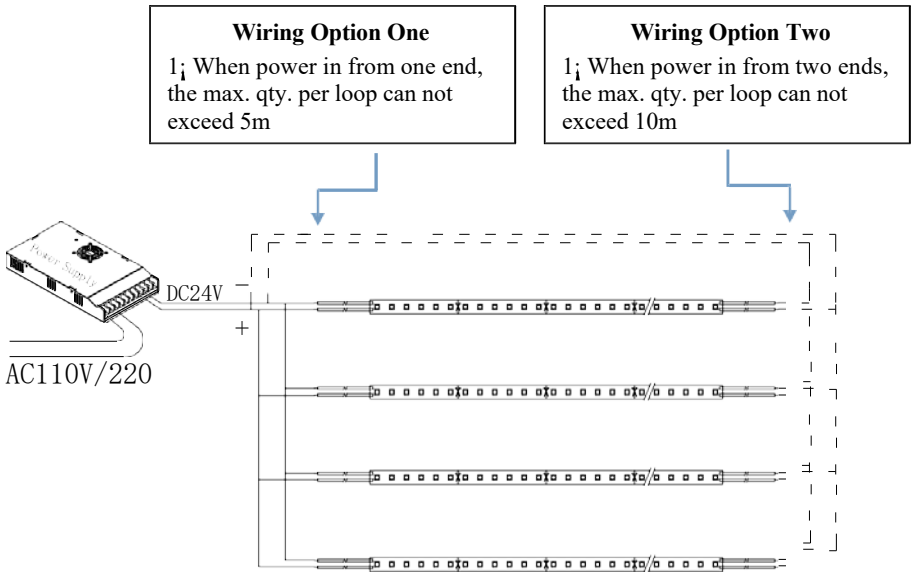
32W420LEDs/m



6. Schematic Diagram:



7. Installation Drawing:



8. Instructions:

● Please use this product with 24V DC. The LED strip does not have protection against short circuit overload or overheating. Therefore it is absolutely necessary to operate the strips with an electronically stable power supply offering protection against the above mentioned safety risks.
● There is 3M double side adhesive tape on the backside for easy installation. Care must be taken to provide a clean and dry surface. The mounting substrate must have sufficient structural integrity. Take care to completely remove the protective backing.
Once the strip is appropriately positioned, press on the strip to fasten it. The wire with gray line is anode, whiles the white is cathode. Wrong polarity will lead to no light emission only; the strip will not be destroyed. What only needs to is to correct polarity.
● Cut off the bared wires if there is any, and use electrical insulation tape or wiring end cap to insulate the end of the wires to prevent short circuits.
● Installation of LED strips (with power supplies) should be made with regard to all applicable electrical and safety standards. Only qualified personnel should be allowed to perform installations.