

RGB+W Series

Specification

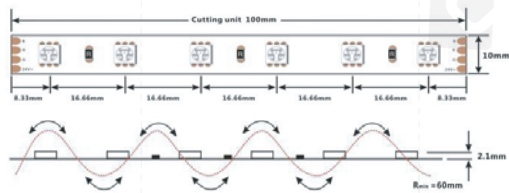
D560RGB

24V-10mm



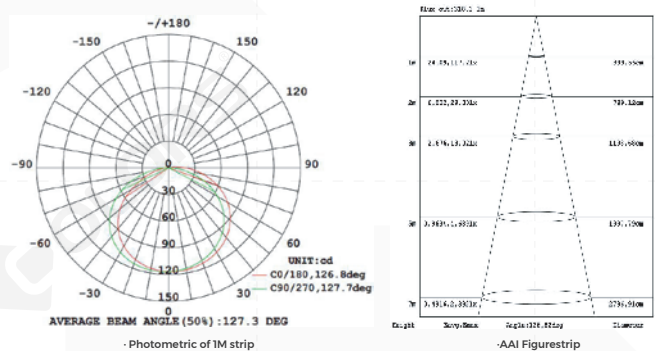
【General description】

- RGB colorful strip
- 5050 LED with broader luminous surface
- Widely adaptable to all types of controllers, Self-encapsulated design
- High quality FPC, high thermal 3M adhesive
- With life span over 60000H
- Ta: -25~40°C; Tc: 75°C (max)



【Dimension】

Input voltage: DC24V	Max.length: 5000mm
CRI: >0	Cutting unit: 6leds/100mm
Max.power: 14.4W(1m)	LED pitch: 16.66mm
Power range: 11.1~14.4W(1m)	Min. bend diameter: Φ 60mm
Rated current: 0.52A(1m) /2.22A(5m)	Mounting: 3M tape
Typical Power: 12.5W(1m) /53.3W(5m)	Copper foil: 2oz
tape IP: IP20/IP65/IP67	
On-off times: 10000 (test times)	
Warranty: 5years	



【Photo-electric Parameters】

CRI	Color	Wavelength	Lumen(lm)	lm/W	Energy efficiency class
0	Red	625	108	/	/
0	Green	525	279	/	/
0	Blue	470	55	/	/
0	RGB	/	415	/	/

- 1.The tolerance of output data can be vary up to 15%.
- 2.the output data tested according to IES TM-30-15.
- 3.the output data is based on IP20/1merter, data of 5m in only for reference.
- 4.IP protection process leads changes to size, CCT and luminous flux.

【IP process information】

ET

IP65

Gluing

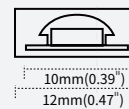
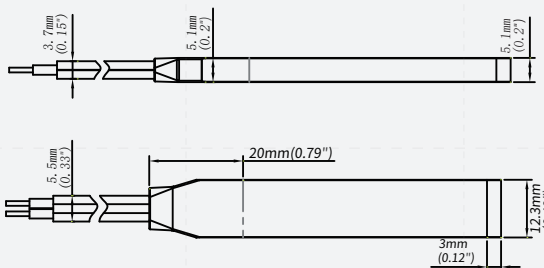
End Cap



IP67

Molded

End Cap



EF

IP65

Gluing

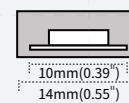
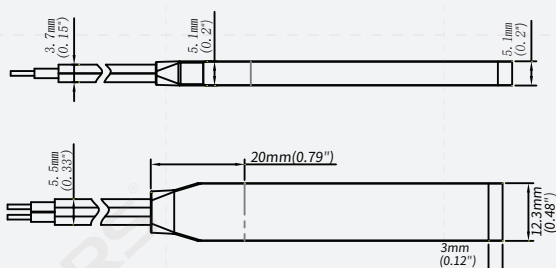
End Cap



IP67

Molded

End Cap

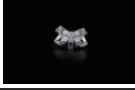


【IP Process Parameters】

IP Process	Picture	Picture description	Size	optional CCT/color for finished product	lumen output rate
NO		No proof	10mm*2.1mm	RGB	100%
NA		Nano-proof	10mm*2.1mm	RGB	98%
ET		Extrusion tube	12 mm*4.8mm	RGB	88%
EF		Extrusion filling	12 mm*5mm	RGB	86%

【Accessories Information】

• Connector Accessories

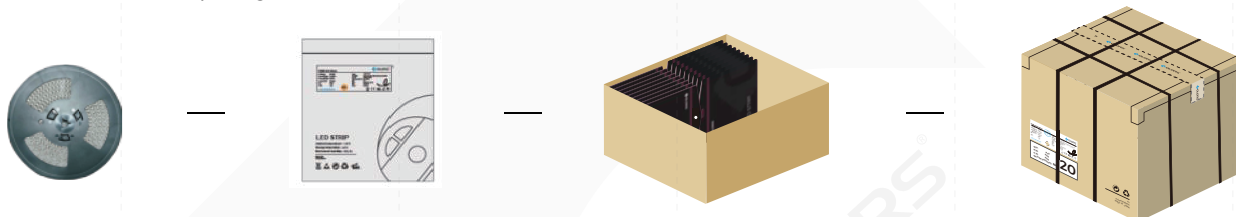
Name	Picture	Code	coding	description
Connector for wire and FPC		94-42-621040001	TXB410-NOGA	10mm width, 4PIN connector of wire and FPC, suitable for RGB color strip, NO/NA
Connector for FPC and FPC		94-42-621040002	TBB410-NOGA	10mm width, 4PIN connector of FPC and FPC, suitable for RGB color strip, NO/NA
Fixed Clip		94-02-00-0003	FSW10SA	Silicone clip, screw: PA 3*8mm, suitable for 10mm FPC, EF/ET strip
Silicone Plug Kit		94-02-00-0046	DT10EA-A	Silicone plug kit is suitable for 10mm board width, ET/EF series silicone extrusion light strip
Silicone stopper kit		94-02-00-0047	DW10EA-A	Silicone tail plug kit is suitable for 10mm board width, ET/EF series silicone extrusion light strip
Mounting groove		94-02-00-0025	CVT10EA-14100100	Transparent PVC mounting groove, suitable for 10mm FPC, silicone extruded EF/ET strip
Stopper glue		94-16-03010001	AS-PG-0003	Silicone gel, suitable for ET/EF/EG waterproof LED strip
RGB RF Controller		402-01-000000-00003	CR3-GBA	Input voltage: 12-48VDC Maximum loaded current: 6A*3CH Max 18A Maximum loaded power: 216W/432W@12V/24V 648W/864W@36V/48V
RGB RF Remote		402-02-000000-00003	CK4-GBA	Working voltage : 3VDC Remote Distance : 30m Output Singal: RF2.4GHz

【Packing】

Colors brand package



General customized package



IP Process	Product size(mm)	Product quantity (m/reel)	Product quantity (m/case)	Product net weight(kg)	Net weight per box(kg)	Gross weight(kg)	Package size (cm)
NO	5000*10*2.1	5	250	0.15	7.5	8.625	41*41*26
NA	5000*10*2.1	5	250	0.153	7.65	8.798	41*41*26
ET	5000*12*4.8	5	200	0.5	20	23	41*41*26
EF	5000*12*5.0	5	200	0.567	22.68	26.082	41*41*26

Remark: data with 10% tolerance

· Engineering packaging of ET(IP67)/EF(IP67)

(free-soldering end caps with 40 cover per box could be ordered separately if needed)



50m/reel

· Engineering packaging of NO(IP20)/NA(IP65).



50m/reel

IP Process	Product size(mm)	Product quantity (m/reel)	Product quantity (m/case)	Product net weight(kg)	Net weight per box(kg)	Gross weight(kg)	Package size (cm)
NO	5000*10*2.1	50	500	1.5	15	17.25	41*41*26
NA	5000*10*2.1	50	500	1.53	15.3	17.595	41*41*26
ET	5000*12*4.8	50	100	5.1	10.2	11.73	25.5*25.5*26
EF	5000*12*5.0	50	100	5.72	11.44	13.156	25.5*25.5*26

Remark data with 10% tolerance

【Precautions】

- Please drive the led strip with 24VDC isolated power, and the ripple of the constant voltage source should be less than 5%.
- Please do not bend the strip into an arc with a diameter less than 60mm to ensure the longevity and reliability.
- Do not fold it in case any damage of LED beads.
- Do not pull the power wire hard to ensure the longevity. Any Crash may damage the LED light is prohibited.
- Please make sure the wire is connected to the anode and cathode correctly. The power output should be consistent with the voltage of the strip to avoid damage.
- LED lights should be stored in dry, sealed environment. Please only unpack it before usage. Ambient temperature: -25℃~40℃. Storage temperature: 0℃~60℃. Please use the strips without waterproof within indoor environment with humidity less than 70%.
- Please be careful during operation. Do not touch the AC power supply in case of electric shock.
- Please leave at least 20% power for the power supply during using to ensure there is enough power supply to drive the product.
- Do not use any acid or alkaline adhesives to fix the product (e.g.: glass cement).
- Do not scratch the product when IP process of the product is NA. Ultraviolet rays will damage the nano-layers on the product and seriously affect the life of the product.