

DIGITAL Series Specification

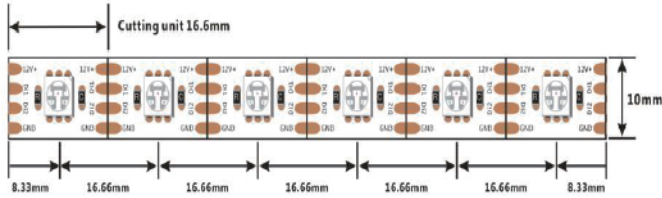
# DS560RGB

## 12V-10mm



## 【General description】

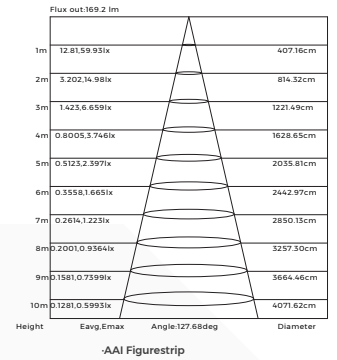
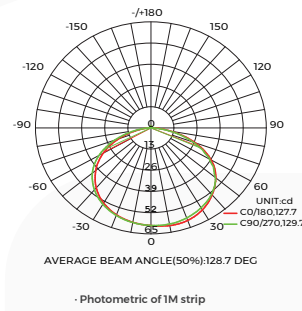
- SPI RGB strips,60 pixels per meter,IC model:MT1809F
- LED built into IC,and IC has break point transmission function
- controllers which support UCS19\*\*,UCS29\*\*,TM18\*\*, SM167\*\*,WS28\*\*,GS82\*\*,SK6812, DM613P are recommended
- Life longer than 36000H, Ta: -25~40°C; Tc: 75°C (max)
- UACK/CE/ROHS/REACH certification



## 【Dimension】

Input voltage: DC12V  
 CRI: /  
 Max.power: 9.3W(1m)  
 Power range: 7.5~9.3W(1m)  
 Rated current: 0.7A(1m) 3.2A(5m)  
 Typical Power: 8.4W(1m) 38.4W(5m)  
 tape IP: IP20/IP65/IP67  
 On-off times: 10000 (test times)  
 Warranty: 3 years indoors / 2 years outdoors

Max.length: 5000mm(16.4')  
 Cutting unit: 16.66mm(0.66")  
 LED pitch: /  
 Min. bend diameter:  $\Phi$ 60mm(2.36")  
 Mounting: 3M tape  
 Copper foil: 3oz  
 IC: MT1809F (Switched from TX1818BW1 to MT1809F on August 14, 2025)



## 【Photo-electric Parameters】

CRI	Color	CCT	Lumen(lm/m)	Lumen(lm/ft)	lm/W	ErP 2019
/	R	R:620-625nm	/	/	/	/
/	G	G:520-525nm	/	/	/	/
/	B	B:455-460nm	/	/	/	/
/	RGB	/	207	63	27	/

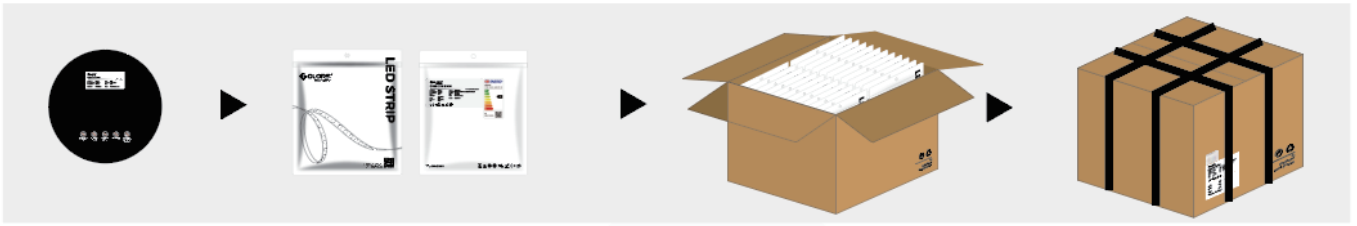
- 1.The tolerance of output data can be vary up to 10%.
- 2.the output data tested according to IES TM-30-15.
- 3.the output data is based on IP20/Imertex, data of 5m in only for reference.
- 4.IP protection process leads changes to size, CCT and luminous flux.

## 【Electronic & output data】

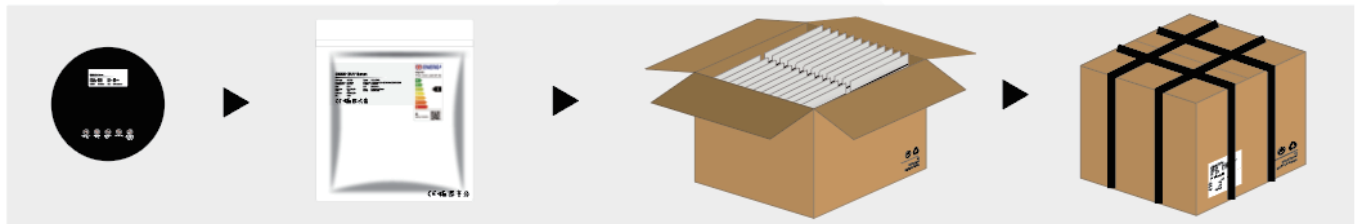
IP Process	Picture	Picture description	Size	optional CCT/color for finished product	lumen output rate
NO		No proof	10mm*2.1mm	RGB	100%
NA		Nano-proof	10mm*2.1mm	RGB	98%

## 【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*1.6	5	250	0.125	6.25	7.19	41*41*26
NA	5000*10*1.6	5	250	0.131	6.55	7.53	41*41*26

Remark: data with 10% tolerance

## 【Precautions】

- Please drive the led strip with 12VDC 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.