

CLASSIC Series Specification

# D8120

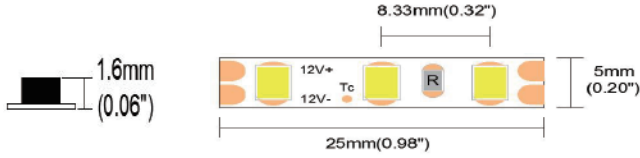
## 12V-5mm

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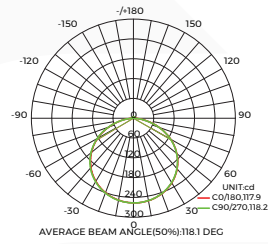
## 【General description】

- Super slim width with board width only 5mm, High quality FPC, high thermal 3M adhesive
- Self-encapsulated design offers 8 optional 1900-6000K white lights
- With life span over 60000H
- Ta: -25~40°C; Tc: 75°C(max)
- UL/UACK/CE/ROHS/REACH certification

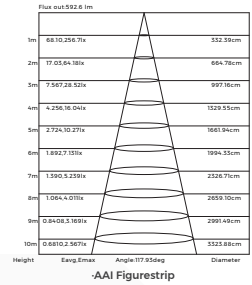


## 【Dimension】

- |  |  |
|--|--|
| Input voltage: DC12V                       | Max.length: 5000mm(16.4')              |
| CRI: 90                                    | Cutting unit: 3leds/25mm(0.98")        |
| Max.power: 9.6W(1m)                        | LED pitch: 8.33mm(0.32")               |
| Power range: 7.6~9.6W(1m)                  | Min. bend diameter: $\Phi$ 60mm(2.36") |
| Rated current: 0.7A(1m) 2.8A(5m)           | Mounting: 3M tape                      |
| Typical Power: 8.4W(1m) 33.6W(5m)          | Copper foil: 3oz                       |
| tape IP: IP20/IP65                         |  |
| On-off times: 10000 (test times)           |  |
| Warranty: 5 years indoor / 3 years outdoor |  |



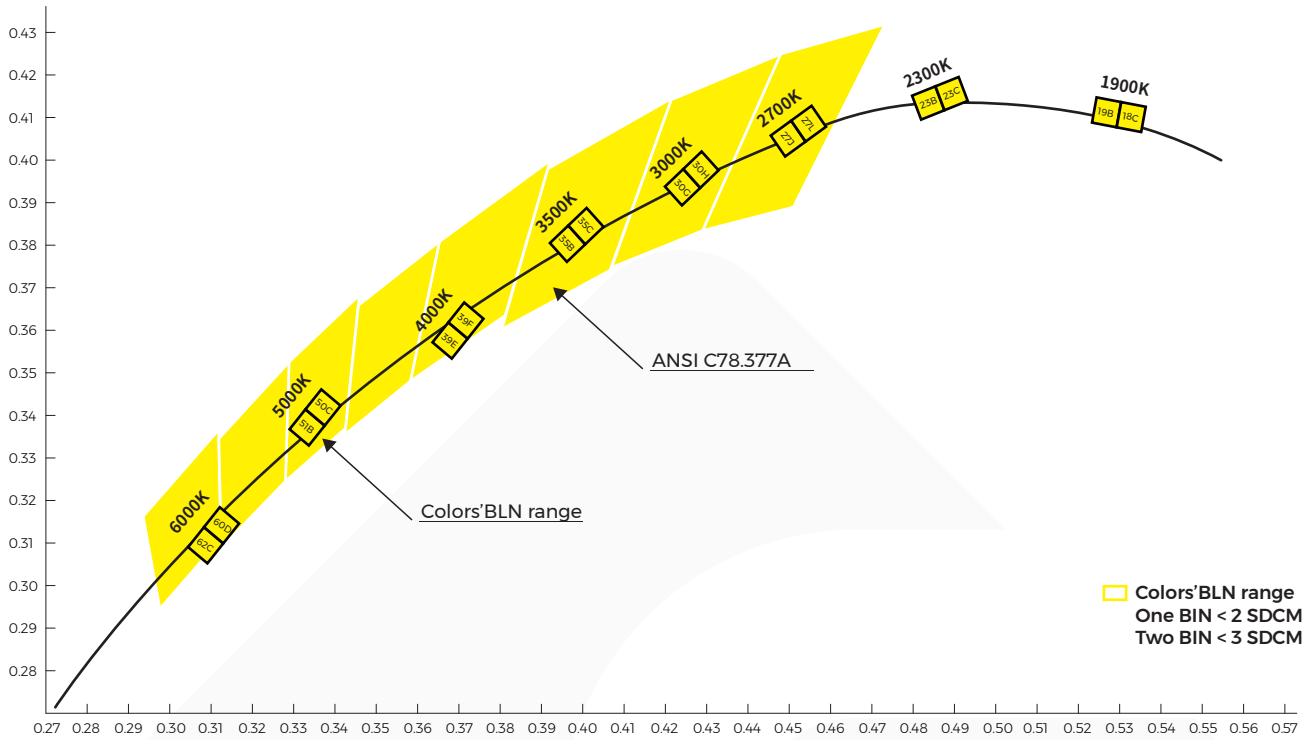
· Photometric of 1M strip



## 【Photo-electric Parameters】

CRI	Color	CCT	Lumen(lm/m)	Lumen(lm/ft)	lm/W	ErP 2019
Ra>90	GW	1900K	610	185	73	/
Ra>90	LW	2300K	675	205	80	/
Ra>90	SW	2700K	730	222	87	/
Ra>90	WW	3000K	770	234	92	G
Ra>90	PW	3500K	780	237	93	F
Ra>90	NW	4000K	800	243	95	F
Ra>90	DW	5000K	800	243	95	F
Ra>90	W	6000K	770	234	92	G
0	G	525nm	755	230	90	/
0	B	470nm	170	51	20	/

- 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/lmterter, data of 5m in only for reference.
- 4.IP protection process leads changes to size, CCT and luminous flux.

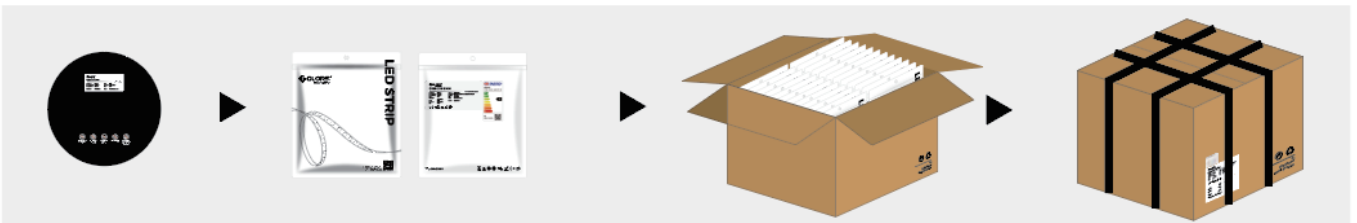


**【Electronic & output data】**

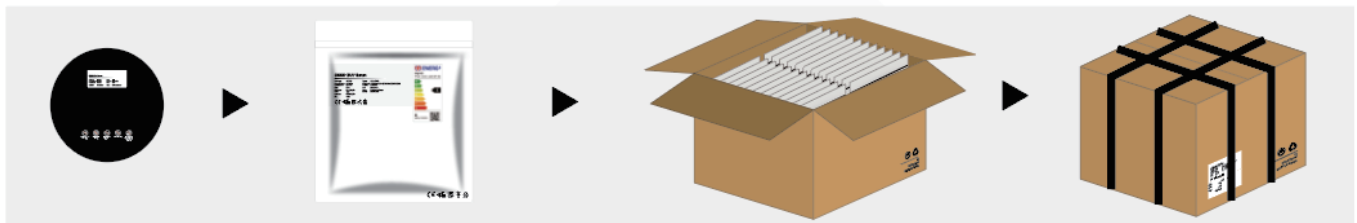
IP Process	Picture	Picture description	Size	optional CCT/color for finished product	lumen output rate
NO		No proof	5mm*1.6mm	1900K/2300K/2700K/3000K/3500K 4000K/5000K/6000K/G/B	100%
NA		Nano-proof	5mm*1.7mm	1900K/2300K/2700K/3000K/3500K 4000K/5000K/6000K/G/B	98%

**【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*5*1.6	5	350	0.078	5.46	0.819	41*41*26
NA	5000*5*1.7	5	350	0.082	5.74	0.861	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.