CLASSIC Series | **Specification**
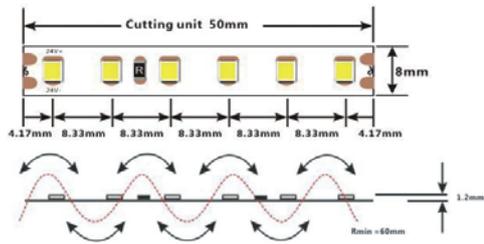
D6120

## 24V-8mm

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UL c E498657 us | UK CA | CE | RoHS | Reach

【General description】

· Double leds per cut for 24V，easily for customized application
· Self-encapsulated design offers 5 optional 1900-6000K white lights
· High quality PFC, high thermal 3M adhesive
· With life span over 60000H
· Ta: -25~40℃；Tc：75℃(max)
· UL/UACK/CE/ROHS/REACH certification

【Dimension】

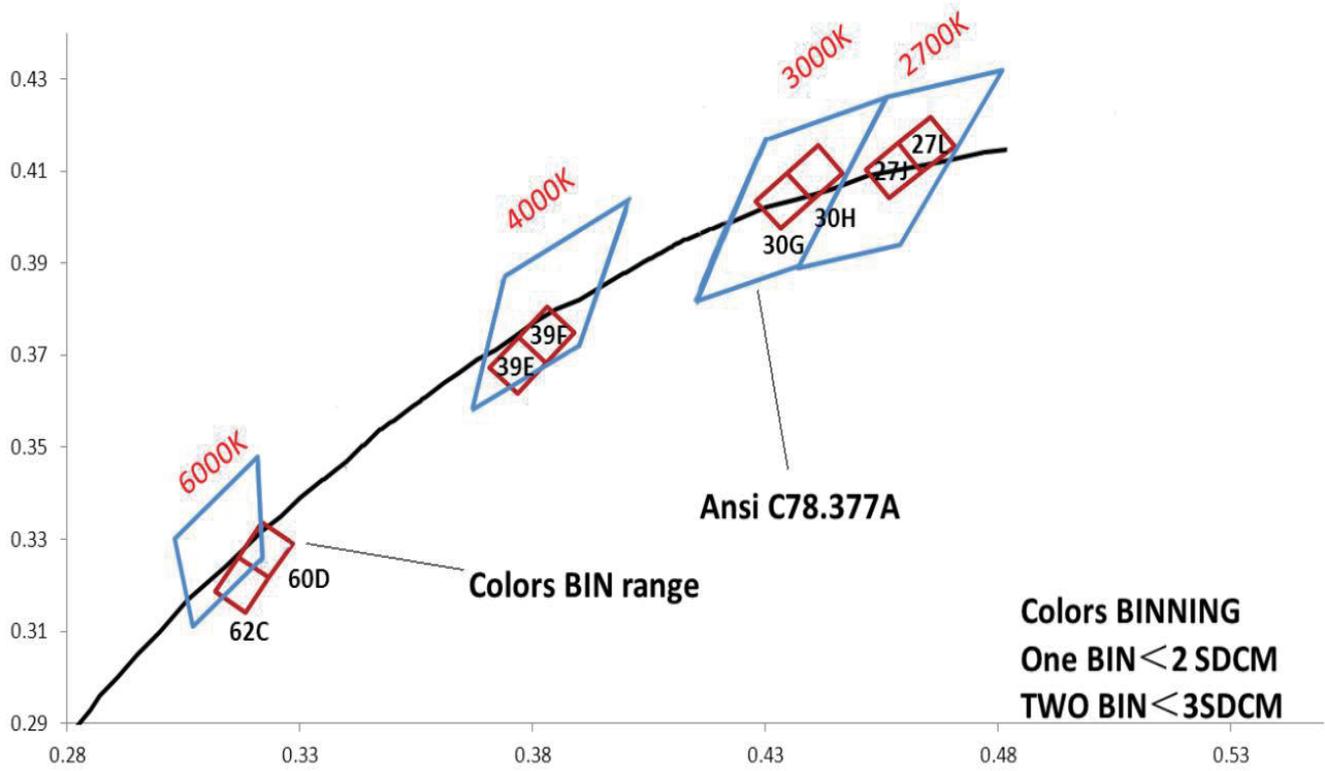|	
Input voltage：DC24V	Max.length：5000mm(16.4')
CRI：＞90	Cutting unit：6leds/50mm(1.97")
Max.power: 9.6W(1m)	LED pitch：8.33mm(0.33")
Power range: 7.9～9.6W(1m)	Min. bend diameter：Φ60mm(2.36")
Rated current：0.36A(1m) /1.4A(5m)	Mounting：3M tape
Typical Power：8.6W(1m) /31.2W(5m)	Copper foil: 2oz
tape IP：IP20/IP65/IP67	
On-off times: 10000（test times）	
Warranty：5 years indoor / 3 years outdoor	

· Photometric of 1M strip

·AAI Figurestrip
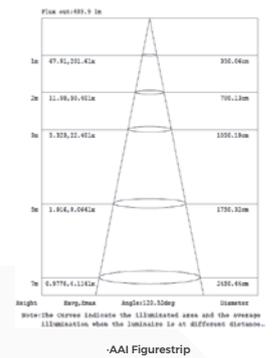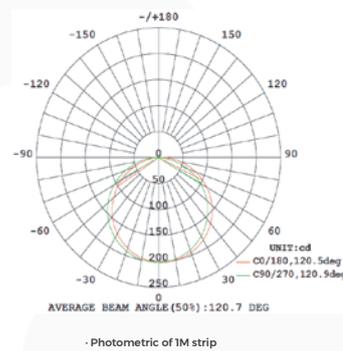
【Photo-electric Parameters】

CRI	Color	CCT	Lumen(lm/m)	Lumen(lm/ft)	lm/W	ERP 2019
Ra>90	S W	2700K	600	183	70	/
Ra>90	WW	3000K	670	204	78	/
Ra>90	NW	4000K	710	217	82	/
Ra>90	W	6000K	710	217	82	/

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 IP20/1merter，data of 5m in only for reference.
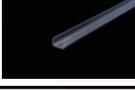4.IP protection process leads changes to size, CCT and luminous flux.

【BIN】

0.43

0.41

0.39

0.37

0.35

0.33

0.31

0.29

0.28   0.33   0.38   0.43   0.48   0.53

3000K   **2700K**

27L

27J

30H

30G

4000K

39F

39E

6000K

60D

62C

Ansi C78.377A

Colors BIN range

Colors BINNING
One BIN＜2 SDCM
TWO BIN＜3SDCM

【IP process information】

ET

IP65   Gluing   End Cap

9.5mm (0.37")   32mm (1.26")   20mm (0.79")
12mm (0.47")

IP67   Molded   End Cap

3.7mm (0.15")   5mm (0.2")   5mm (0.2")

5.5mm (0.22")   20mm(0.79")   10.3mm (0.4")   3mm(0.12")

8mm (0.31")
10mm (0.39")
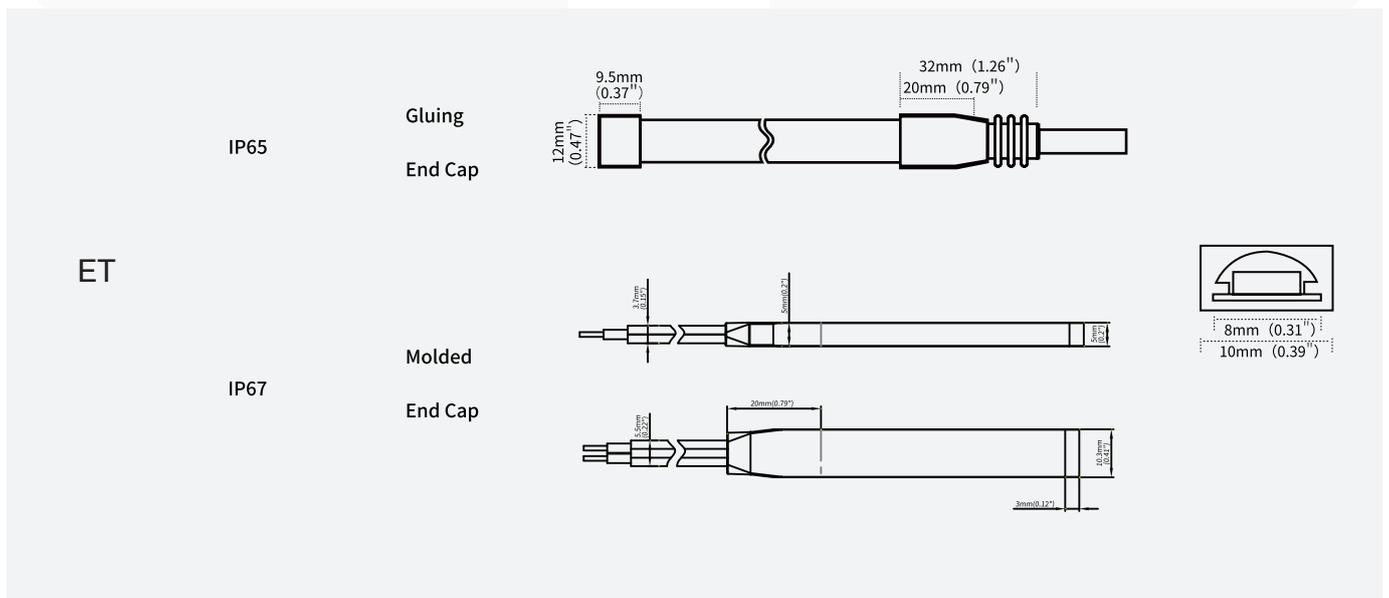
【IP Process Parameters】

IP Process	Picture	Picture description	Size	optional CCT/color for finished product	lumen output rate
NO	NO/IP20	No proof	8mm*1.2mm	1900K/2300K/2700K/3000K/3500K/4000K/ 5000K/6000K/G/B	100%
NA	NANO/IP65	Nano-proof	8mm*1.2mm	1900K/2300K/2700K/3000K/3500K/4000K/ 5000K/6000K/G/B	98%
ET	ET/IP67	Extrusion tube	10mm*4.8mm	2300K/2900K/3400K/3850K/5800K/8750K/ 15000K/G/B	86%

【Accessories Information】

| Name	Picture	Code	description
Connector for wire and FPC		94-42-620800001	8mm width, 2PIN connector of wire and FPC, suitable for white color strip, NO/NA, 2PIN wire18- 22AWG
Connector for FPC and FPC		94-42-620800002	8mm width, 2PIN connector of FPC and FPC, suitable for white color strip,NO/NA
Slim connector		94-03-00-0065	Suitable for 8mm board width, IP20, 2PIN board-to-board solderless terminal
Slim connector		94-03-00-0066	Suitable for 8mm board width, IP20, 2PIN wire- to-board solderless terminal
Gas phase rubber plug		94-02-00-0044	Silicone cap with hole&without hole, suitable for 8mmFPC, ET waterproof LED strip
Gas phase gel plugging		94-02-00-0045	Silicone end cap with hole&without hole, suitable for 8mmFPC, ET waterproof LED strip
Mounting groove		94-02-00-0024	Transparent PVC mounting groove,suitable for 8mm FPC,silicone extruded EF/ET strip
ET solderless plug		94-03-00-0027	Monochromatic light strip, 8mm board width, ET protection technology
ET press-fit terminals		94-03-00-0028	Monochromatic light strip, 8mm board width, ET protection technology
ET press-fit terminal kit		94-03-00-0029	Monochromatic light strip, 8mm board width, ET protection technology
Stopper glue		94-16-03010001	Silicone gel,suitable for ET/EF/EG waterproof LED strip

【Packing】

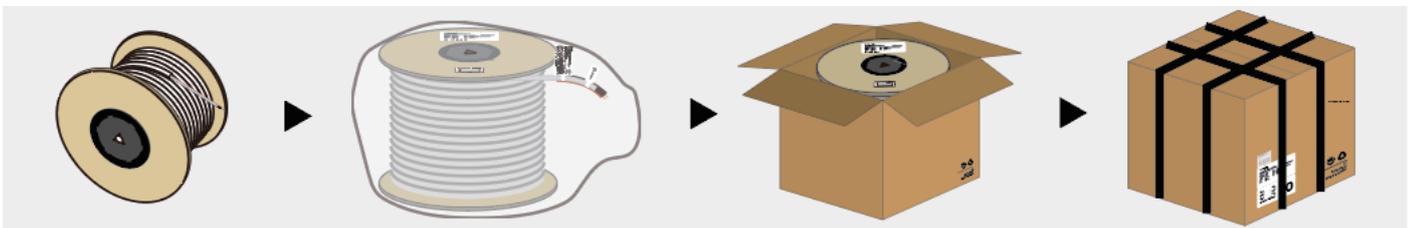Colors brand package
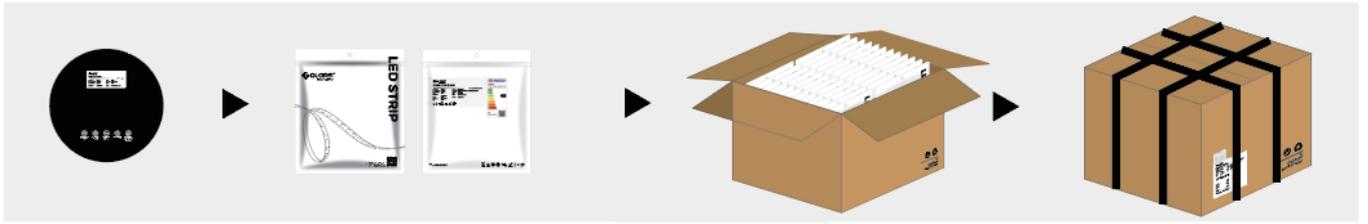
General customized package
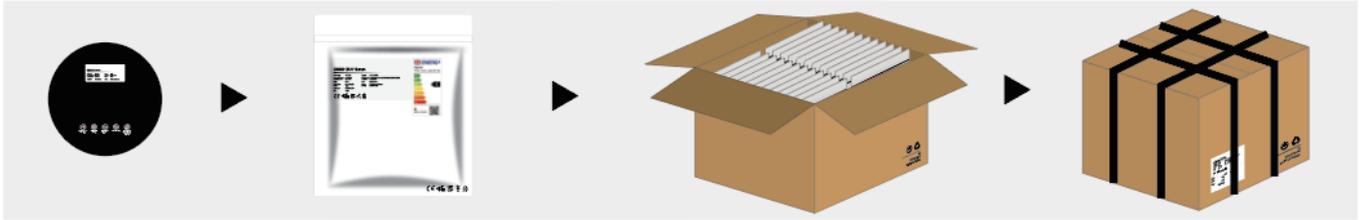
IP Process	Product size(mm)	Product quantity (m/reel)	Product quantity (m/case)	Product net weight(kg)	Net weight per box(kg)	Gross weight(kg)	Package size (cm)
NO	5000*8*1.2	5	300	0.115	6.9	7.935	41*41*26
NA	5000*8*1.2	5	300	0.12	7.2	8.28	41*41*26
ET	5000*10*4.8	5	200	0.45	18.0	20.7	41*41*26

Remark：data with 10% tolerance

· Engineering packaging of ET(IP67)

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

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

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*8*1.5	50	300	1.15	14.95	17.192	41*41*26
NA	5000*8*1.6	50	300	1.2	15.6	17.94	41*41*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 processof the product is NA. Ultraviolet rays will damage the nano-layers on the product and seriously affect the life of the product.