CLASSIC Series Specification
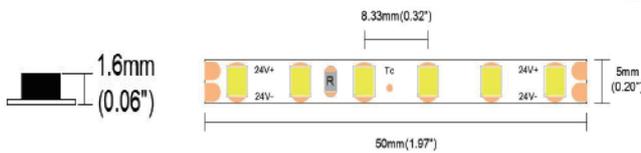
D8120

24V-5mm

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UL E498657 · UKCA · CE · RoHS · Reach

【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
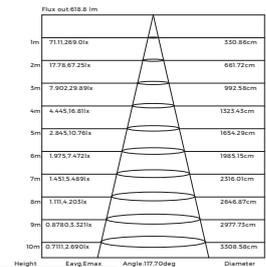· Ta: -25~40℃；Tc：75℃(max)
· UL/UACK/CE/ROHS/REACH certification

8.33mm(0.32")

24V+
24V-
R   Tc
24V+
24V-

5mm (0.20")

50mm(1.97")

1.6mm (0.06")

【Dimension】

Input voltage：DC24V

CRI：90

Max.power: 9.6W(1m)

Power range: 7.6～9.6W(1m)

Rated current：0.35A(1m)

Typical Power：8.4W(1m)

tape IP：IP20/IP65

On-off times: 10000（test times）

Warranty： 5 years indoor / 3 years outdoor

Max.length：10000mm(32.8')

Cutting unit：6leds/50mm(1.97")

LED pitch：8.33mm(0.32")

Min. bend diameter：Φ60mm(2.36")

Mounting： 3M tape

Copper foil: 3oz
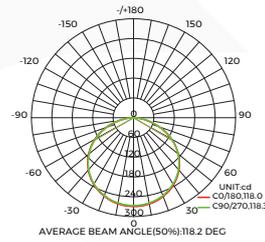
· Photometric of 1M strip

·AAI Figurestrip

【Photo-electric Parameters】

CRI	Color	CCT	Lumen(lm/m)	Lumen(lm/ft)	lm/W	ErP 2019
Ra>90	GW	1900K	610	185	73	G
Ra>90	LW	2300K	675	205	80	G
Ra>90	SW	2700K	730	222	87	G
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 IP20/1merter，data of 5m in only for reference.
4.IP protection process leads changes to size, CCT and luminous flux.

ANSI C78.377A

Colors'BLN range

Colors'BLN range
One BIN < 2 SDCM
Two BIN < 3 SDCM

1900K | 2300K | 2700K | 3000K | 3500K | 4000K | 5000K | 6000K
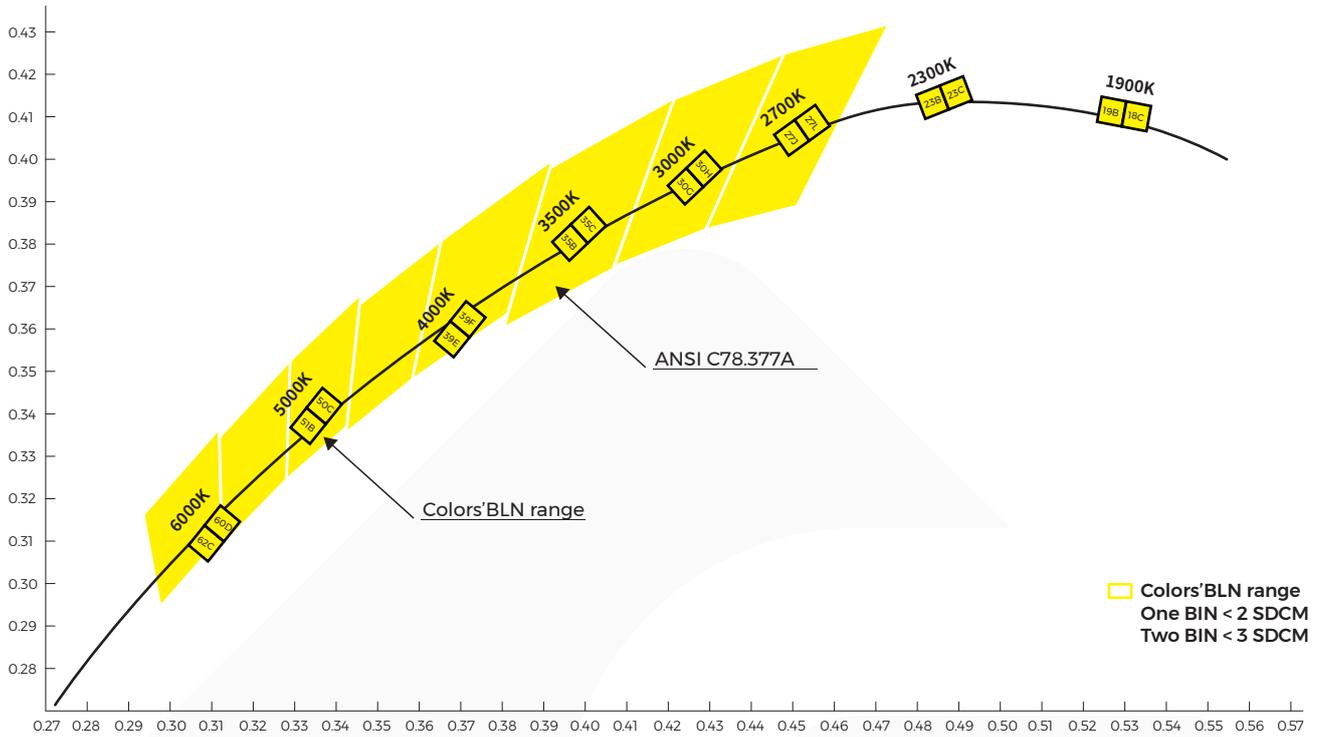
【Electronic & output data】

IP Process	Picture	Picture description	Size	optional CCT/color for finished product	lumen output rate
NO	NO/IP20	No proof	5mm*1.5mm	1900K/2300K/2700K/3000K/3500K 4000K/5000K/6000K/G/B	100%
NA	NANO/IP65	Nano-proof	5mm*1.5mm	1900K/2300K/2700K/3000K/3500K 4000K/5000K/6000K/G/B	98%

【Packing】

Colors brand package

General customized package
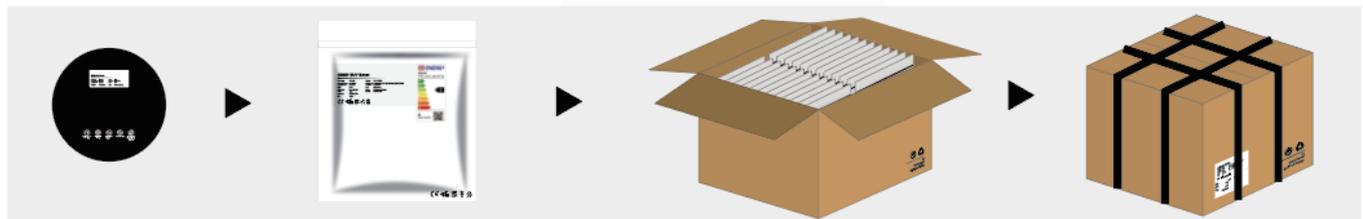
IP Process	Product size(mm)	Product quantity (m/reel)	Product quantity (m/case)	Product net weight(kg)	Net weight per box(kg)	Gross weight(kg)	Package size (cm)
NO	5000*5*1.6	5	350	0.078	5.46	0.819	41*41*26
NA	5000*5*1.7	5	350	0.082	5.74	0.861	41*41*26

Remark：data with 10% tolerance

【Precautions】

• Please drive the led strip with 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.