SMD Series | Specification

DJS120
24V-8mm

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UL E498657 | UKCA | CE | RoHS | Reach
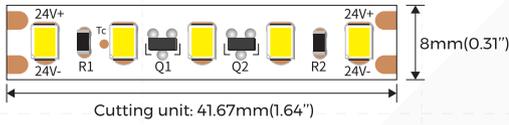
【General description】

· 20m long strip driven by one end power supply with the same brightness from end to end and luminous flux up to 760 lm/M

· Self-encapsulated design offers eight optional 2700-6500K white lights

· High quality FPC, high thermal 3M adhesive

· With life span over 36000H

· Ta: -25~40℃；Tc：75℃（max）

· UL/UACK/CE/ROHS/REACH certification

Cutting unit: 41.67mm(1.64")

8mm(0.31")
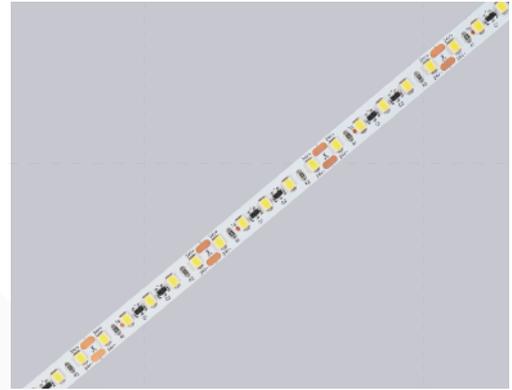
【Dimension】

Input voltage: DC24V

CRI: 90

Max.power: 10.6W(1m)

Power range: 8.6～10.6W(1m)

Rated current: 0.38A(1m)

Typical Power: 9.6W(1m)

tape IP: IP20/IP65
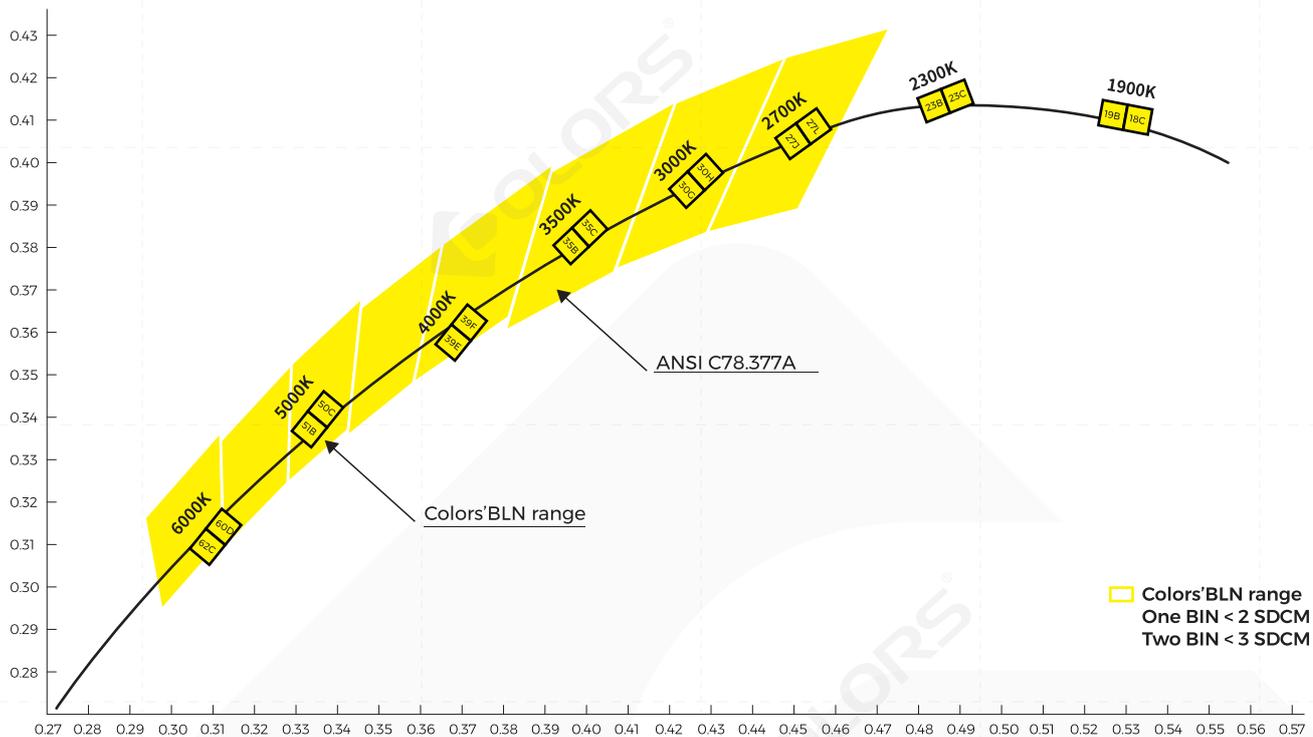
Warranty: 3 years indoor / 2 years outdoor

Max.length: 20000mm(65.6')

Cutting unit: 5Leds/41.67mm(1.64")

LED pitch: 8.33mm(0.33")

Min. bend diameter: Φ60mm(2.36")

Mounting: 3M tape

Copper foil: 3oz

· Photometric of 1M strip

· AAI Figurestrip
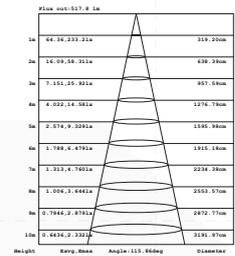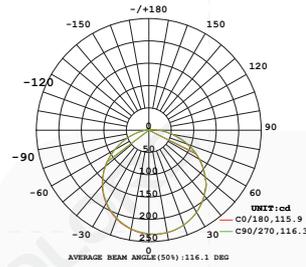
【Photo-electric Parameters】

CRI	Color	CCT	Lumen(lm/m)	Lumen(lm/ft)	lm/W	ErP 2019
Ra>90	SW	2700K	690	210	72	/
Ra>90	WW	3000K	700	213	73	/
Ra>90	PW	3500K	730	222	76	/
Ra>90	NW	4000K	760	232	77	/
Ra>90	W	6500K	750	229	78	/

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.

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

ANSI C78.377A

Colors'BLN range

6000K · 5000K · 4000K · 3500K · 3000K · 2700K · 2300K · 1900K

【IP process information】

ETS   IP65   Gluing   End Cap

11mm T 0.43"Y
14mm T 0.55"Y
10mm T 0.39"Y
8mm T0.3 1" Y
10mm T0. 39"Y
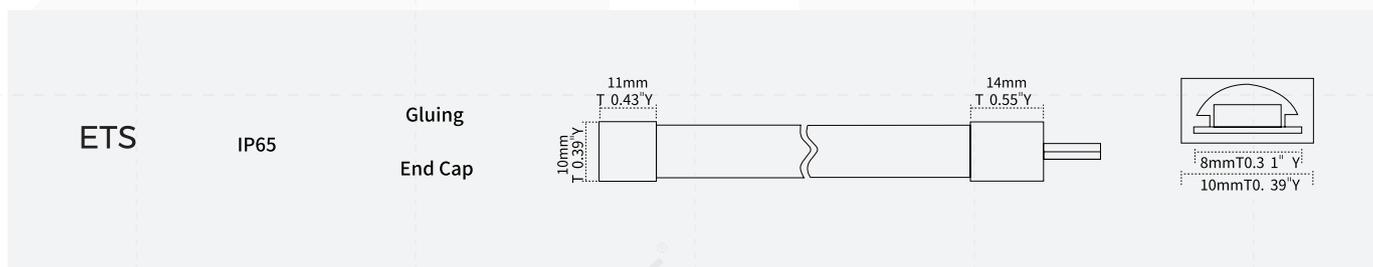
【Electronic & output data】

IP Process	Picture	Picture description	Size	optional CCT/color for finished product	lumen output rate
NO	NO/IP20	No proof	8mm*1.5mm	2700K/3000K/3500K/4000K/6500K	100%
NA	NANO/IP65	Nano-proof	8mm*1.5mm	2700K/3000K/3500K/4000K/6500K	98%
ETS	ETS/IP65	Extrusion tube	10mm*4.8mm	2700K/3000K/3500K/4000K/6500K	88%

【Packing】

· Engineering packaging of ETS(IP65)
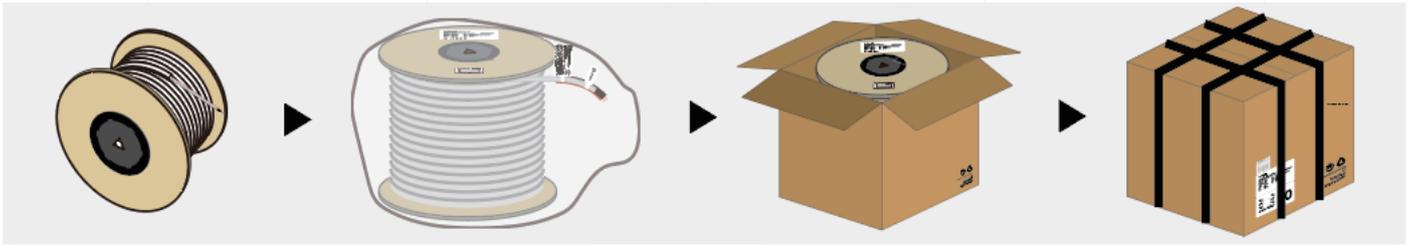(free-soldering end caps with 40 cover per box could be ordered separately if needed)
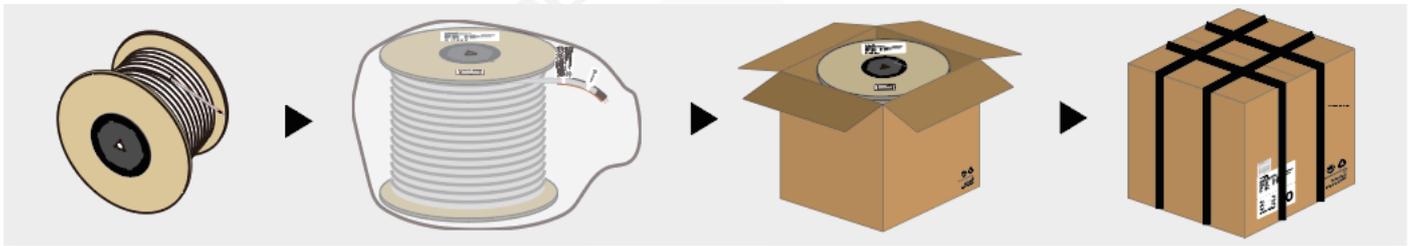
· Engineering packaging of NO(IP20)/NA(IP65).

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 (mm)
NO	5000*8*1.5	5	300	0.11	6.6	7.6	410*410*260
NA	5000*8*1.5	5	300	0.115	6.9	7.935	410*410*260
ETS	5000*12*4.8	5	200	0.42	16.9	19.3	410*410*260

Remark：data with 10% tolerance

· **Engineering packaging of ETS(IP65)**

· **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 (mm)
NO	50000*8*1.5	50	650	0.92	12.1	13	410*410*260
NA	50000*8*1.5	50	650	0.97	12.6	13.6	410*410*260
ETS	50000*10*4.8	50	100	4.5	8.5	9	255*255*260

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.