

SMD Series Specification

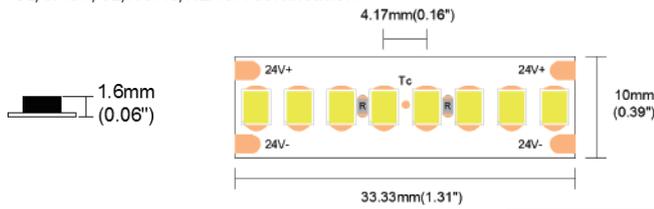
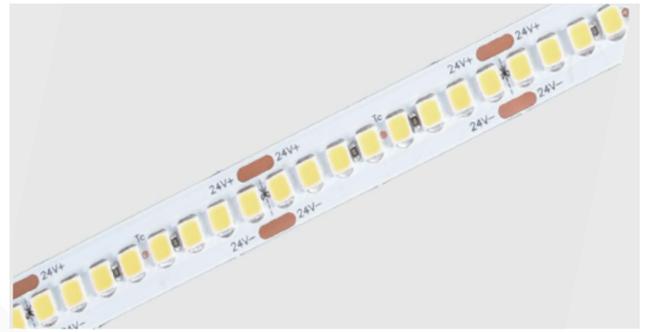
D8240F

24V-10mm



【General description】

- Luminance efficiency up to 177LM/W
- Self-encapsulated design offers five optional 2700-6500K white lights
- With life span over 60000H
- Ta: -25~40°C; Tc: 75°C (max)
- UL/UACK/CE/ROHS/REACH certification



【Dimension】

Input voltage: DC24V

CRI: 90

Max.power: 22W(1m)

Power range: 18 ~ 22W(1m)

Rated current: 0.83A(1m)

Typical Power: 20W(1m)

tape IP: IP20/IP65

Warranty: 5 years indoor / 3 years outdoor

Max.length: 5000mm(16.4')

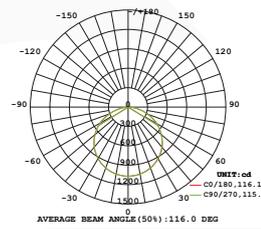
Cutting unit: 8leds/33.33mm(1.31")

LED pitch: 4.17mm(0.16")

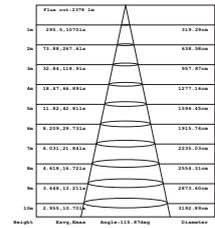
Min. bend diameter: Φ 60mm(2.36")

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	3280	1000	164	D
Ra>90	WW	3000K	3400	1036	170	D
Ra>90	PW	3500K	3460	1055	173	C
Ra>90	NW	4000K	3540	1079	177	C
Ra>90	W	6500K	3380	1030	169	D

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 IP20/1mterter, data of 5m in only for reference.

4.IP protection process leads changes to size, CCT and luminous flux.

【Electronic & output data】

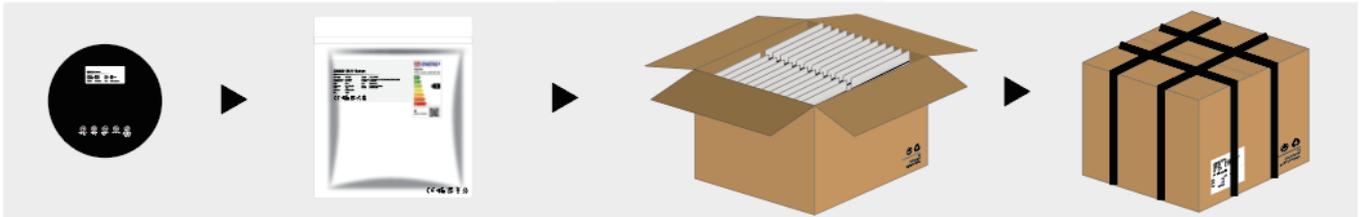
IP Process	Picture	Picture description	Size	optional CCT/color for finished product	lumen output rate
NO		No proof	10mm*1.5mm	1900K/2300K/2700K/3000K/3500K/ 4000K/5000K/6000K/G/B	100%
NA		Nano-proof	10mm*1.5 mm	1900K/2300K/2700K/3000K/3500K/ 4000K/5000K/6000K/G/B	98%

【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*10*1.5	5	300	0.14	8.4	9.66	41*41*26
NA	5000*10*1.5	5	300	0.144	8.58	9.867	41*41*26

Remark: data with 10% tolerance

· 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	50000*10*1.5	50	650	1.4	18.2	20.93	41*41*26
NA	50000*10*1.5	50	650	1.43	18.59	21.378	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 theproduct and seriously affect the life of the product



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