

SMD Series Specification

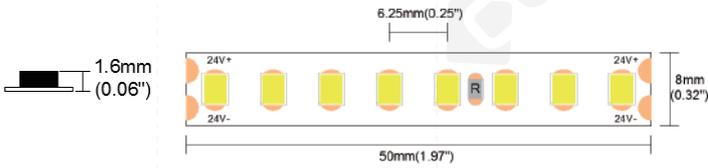
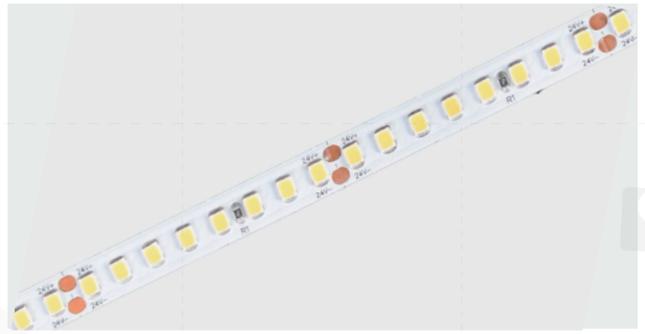
D8160F

24V-8mm



【General description】

- Luminance efficiency up to 179LM/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: 14.3W(1m)

Power range: 11.7~14.3W(1m)

Rated current: 0.54A(1m)

Typical Power: 13W(1m)

tape IP: IP20/IP65/IP67

Warranty: 5 years indoor / 3 years outdoor

Max.length: 5000mm(16.4')

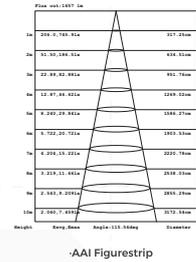
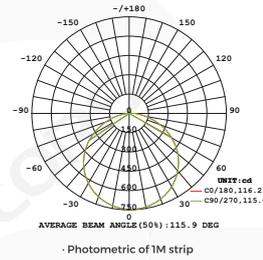
Cutting unit: 8leds/50mm(1.97")

LED pitch: 6.25mm(0.25")

Min. bend diameter: Φ 60mm(2.36")

Mounting: 3M tape

Copper foil: 3oz

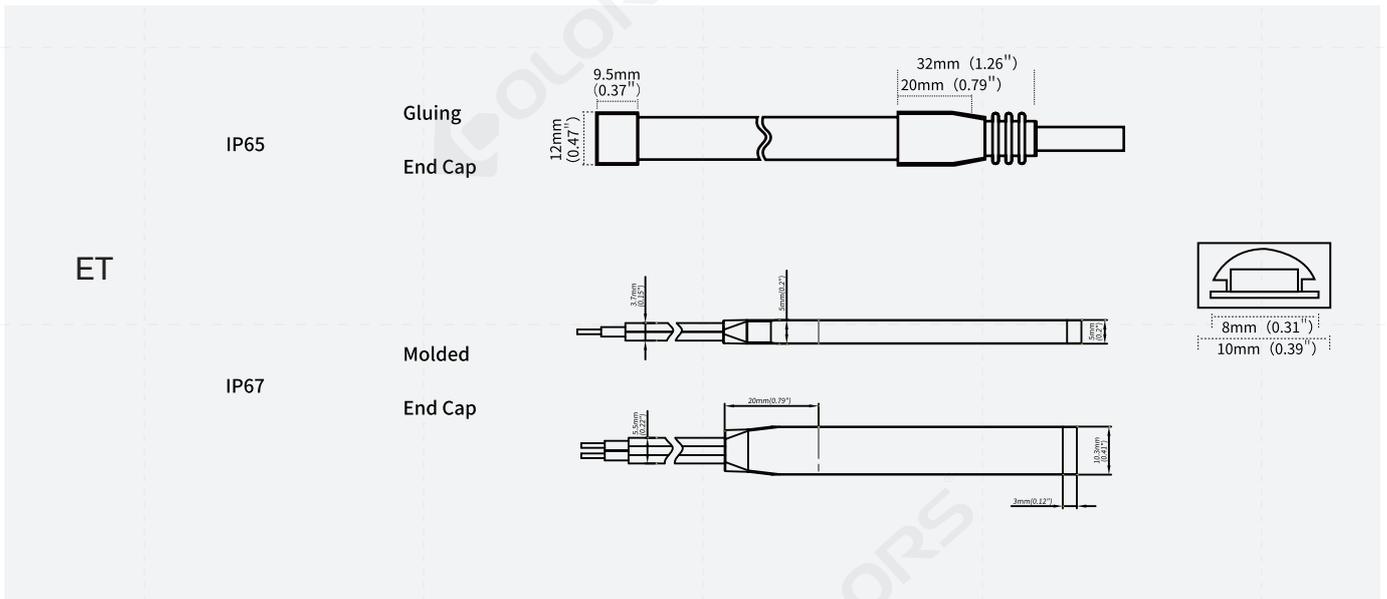


【Photo-electric Parameters】

CRI	Color	CCT	Lumen(lm/m)	Lumen(lm/ft)	lm/W	ErP 2019
Ra>90	SW	2700K	2170	661	167	D
Ra>90	WW	3000K	2225	678	171	D
Ra>90	PW	3500K	2275	693	175	C
Ra>90	NW	4000K	2330	710	179	D
Ra>90	W	6500K	2235	681	172	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.

【IP process information】

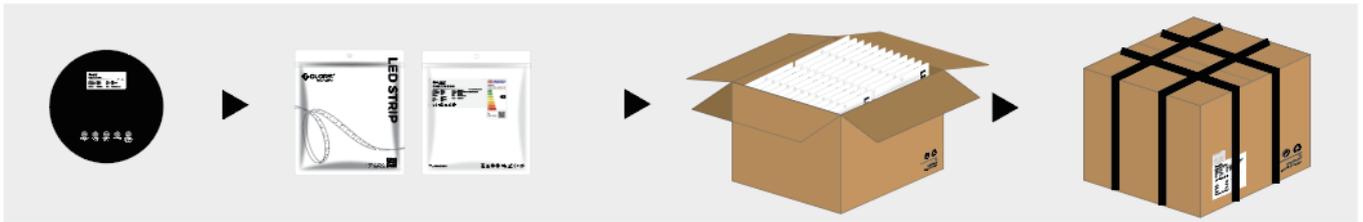


【Electronic & output data】

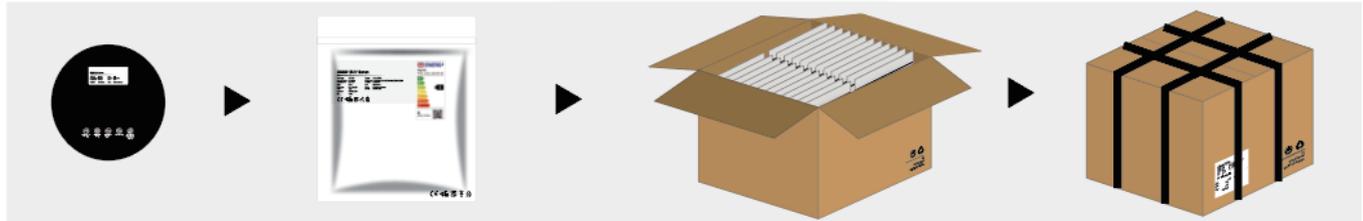
IP Process	Picture	Picture description	Size	optional CCT/color for finished product	lumen output rate
NO	 NO/IP20	No proof	10mm*1.5mm	2700K/3000K/3500K/ 4000K/5000K/6500K	100%
NA	 NANO/IP65	Nano-proof	10mm*1.5 mm	2700K/3000K/3500K/ 4000K/5000K/6500K	98%
ET	 ET/IP67	Extrusion tube	10mm*4.8mm	2700K/3000K/3500K/ 4000K/5000K/6500K	88%

[Packing]

Colors brand package



General customized package

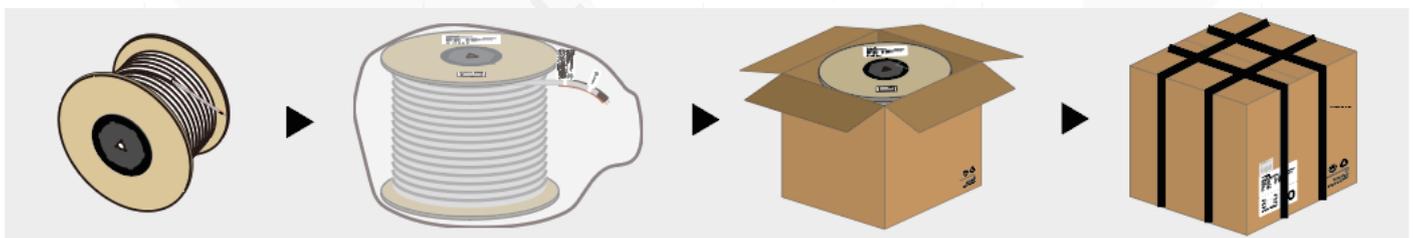


IP Process	Product size(mm)	Product quantity (m/reel)	Product quantity (m/case)	Product net weight(kg)	Net weight per box(kg)	Gross weight(kg)	Package size (cm)
NO	5000*8*1.5	5	300	0.14	8.4	9.66	41*41*26
NA	5000*8*1.5	5	300	0.143	8.58	9.867	41*41*26
ET	5000*10*4.8	5	200	0.443	17.72	20.378	41*41*26

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	50000*8*1.5	50	650	1.4	18.2	20.93	41*41*26
NA	50000*8*1.5	50	650	1.43	18.59	21.378	41*41*26
ET	50000*10*4.8	50	100	4.52	9.04	10.396	25.5*25.5*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 C ~40 C.Storage temperature: 0 C ~60 C..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