

PRO Series Specification

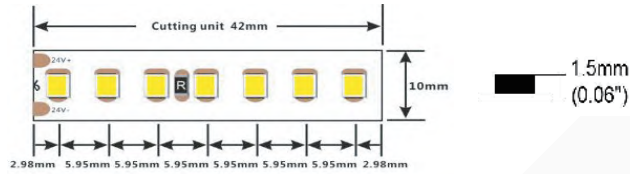
# D8168

## 24V-10mm



## 【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°C; Tc: 75°C (max)



## 【Dimension】

Input voltage: DC24V

CRI: > 80/90/95

Max.power: 17.3W(1m)

Power range: 15.0~17.3W(1m)

Rated current: 0.675A(1m) /2.79A(5m)

Typical Power: 16.2W(1m) /66.9W(5m)

tape IP: IP20/IP65/IP67

On-off times: 10000 (test times)

Warranty: 5years

Max.length: 5000mm

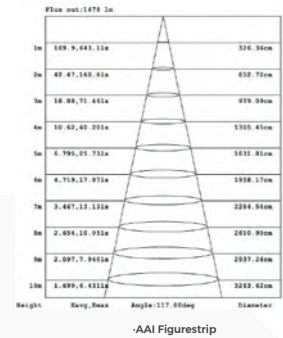
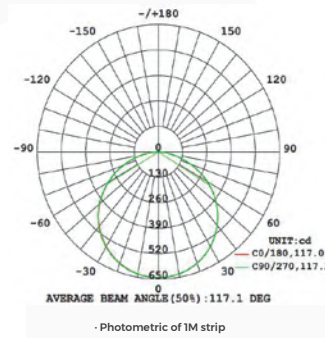
Cutting unit: 7leds/42mm

LED pitch: 5.95mm

Min. bend diameter:  $\Phi$ 60mm

Mounting: 3M tape

Copper foil: 3oz

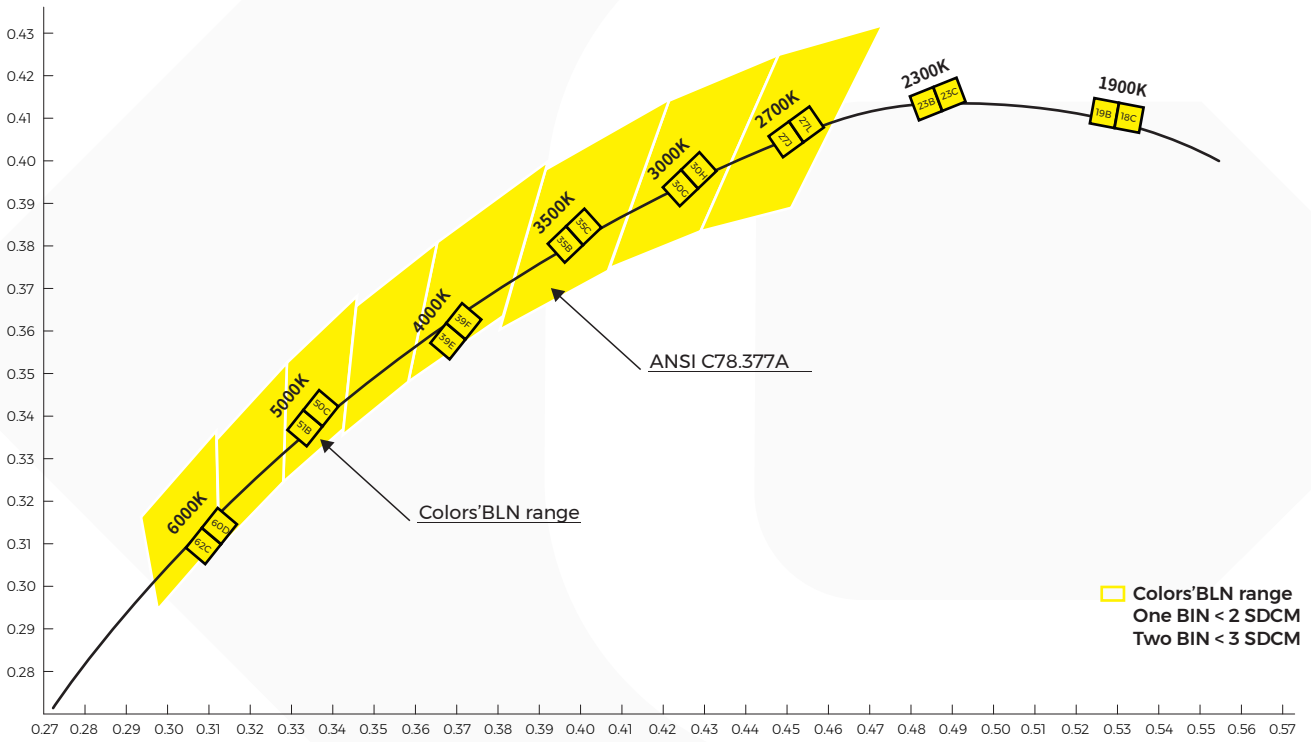


## 【Photo-electric Parameters】

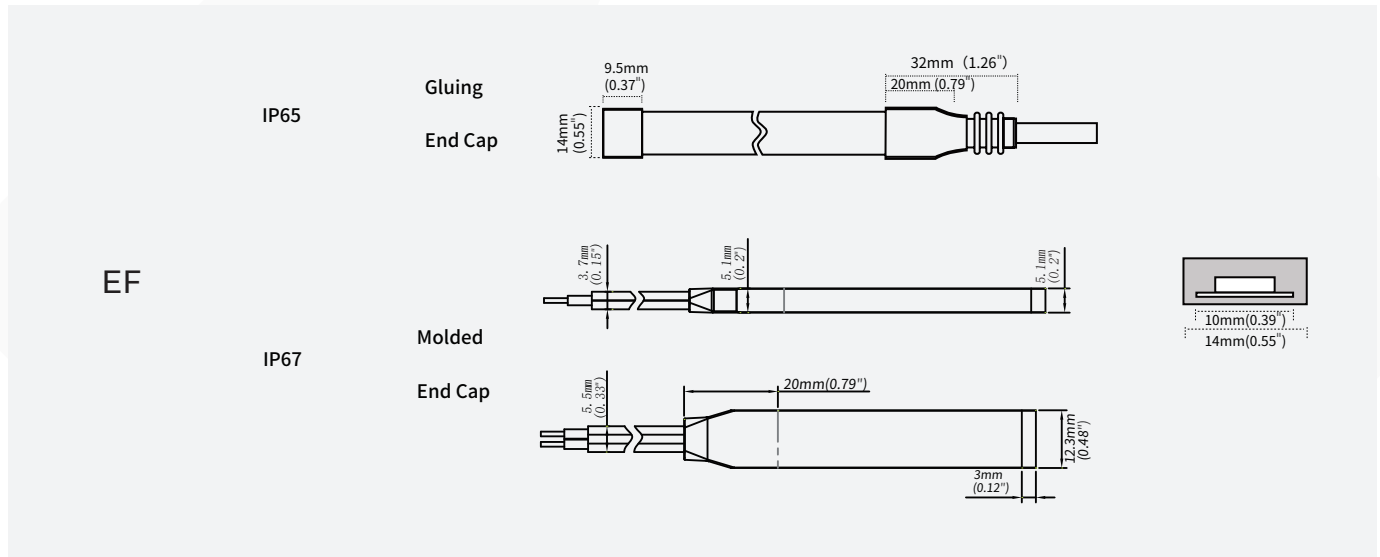
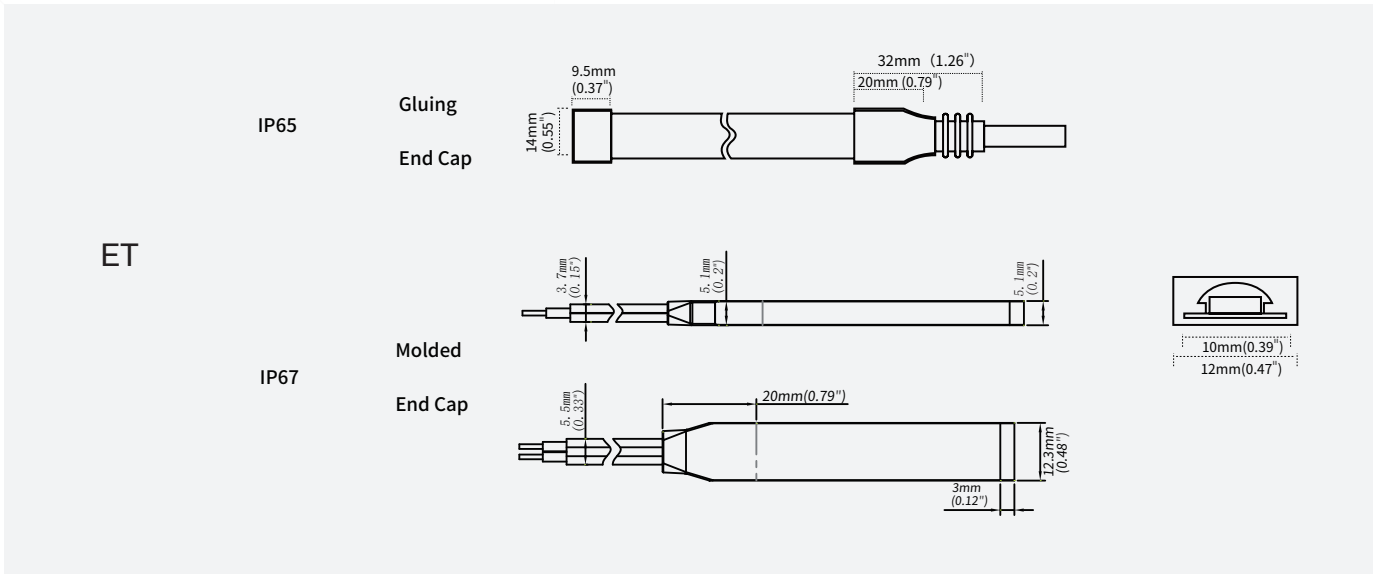
CRI	Color	CCT	Lumen(lm)	lm/W	Energy efficiency class
Ra>90	SW	2700K	1700	105	F
Ra>90	WW	3000K	1810	112	F
Ra>90	PW	3500K	1860	115	F
Ra>90	NW	4000K	1920	119	F
Ra>90	DW	5000K	1920	119	F
Ra>90	W	6000K	1810	112	F
0	G	525-530nm	/	/	/
0	B	465-470nm	/	/	/

- 1.The tolerance of output data can be vary up to 15%.
- 2.the output data tested according to IES TM-30-15.
- 3.the output data is based on IP20/1meter, data of 5m in only for reference.
- 4.IP protection process leads changes to size, CCT and luminous flux.





**[BIN]**



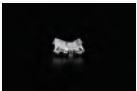


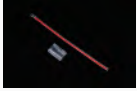

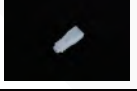






**【 IP process structure and size 】**



## 【IP Process Parameters】

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/4000 /5000K/6000K/G/B	100%
NA		Nano-proof	10mm*1.6mm	1900K/2300K/2700K/3000K/3500K/4000 /5000K/6000K/G/B	98%
ET		Extrusion tube	12mm*4.8mm	1900K/2300K/2700K/3000K/3500K/4000 /5000K/6000K/G/B	88%
EF		Extrusion filling	12 mm*5.0mm	2300K/2900K/3400K/3850K/5800K/8750K /15000K/G/B	86%

## 【Accessories Information】

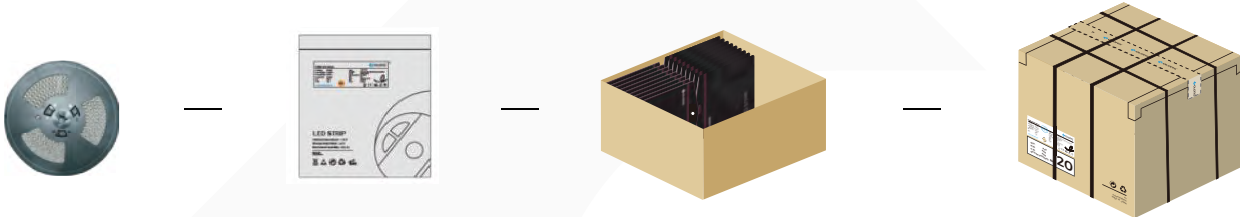
Name	Picture	Code	description
Connector for wire and FPC		94-03-00-0037	10mm width, 2PIN connector of wire and FPC, suitable for white color strip, NO/NA, 2PIN wire 18- 22AWG
Connector for FPC and FPC		94-42-621020004	10mm width, 2PIN connector of FPC and FPC, suitable for white color strip, NO/NA
Slim connector		81-01-000000-000065	Suitable for 10mm board width, IP20, 2PIN board-to-board solderless terminal
Slim connector		81-01-000000-000067	Suitable for 10mm board width, IP20, 2PIN wire- to-board solderless terminal
Fixed Clip		94-02-00-0003	Silicone clip, screw: PA 3*8mm, suitable for 10mm FPC, EF/ET strip
Silicone Plug Kit		94-02-00-0046	Silicone plug kit, suitable for 10mm board width, ET/EF series silicone extrusion light strip
Silicone stopper kit		94-02-00-0047	Silicone tail plug kit, suitable for 10mm board width, ET/EF series silicone extrusion light strip
Mounting groove		94-02-00-0025	Transparent PVC mounting groove, suitable for 10mm FPC, silicone extruded EF/ET strip
ET solderless plug		94-03-00-0030	Monochromatic light strip, 10mm board width, ET protection technology
ET press-fit terminals		94-03-00-0031	Monochromatic light strip, 10mm board width, ET protection technology
ET press-fit terminal kit		94-03-00-0032	Monochromatic light strip, 10mm board width, ET protection technology
Stopper glue		94-16-03010001	Silicone gel, suitable for ET/EF/EG/ERG 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*10*1.5	5	250	0.14	7.0	8.05	41*41*26
NA	5000*10*1.5	5	250	0.144	7.2	8.28	41*41*26
ET	5000*12*4.8	5	200	0.49	19.6	22.54	41*41*26
EF	5000*12*5	5	200	0.557	22.28	25.622	41*41*26

Remark: data with 10% tolerance

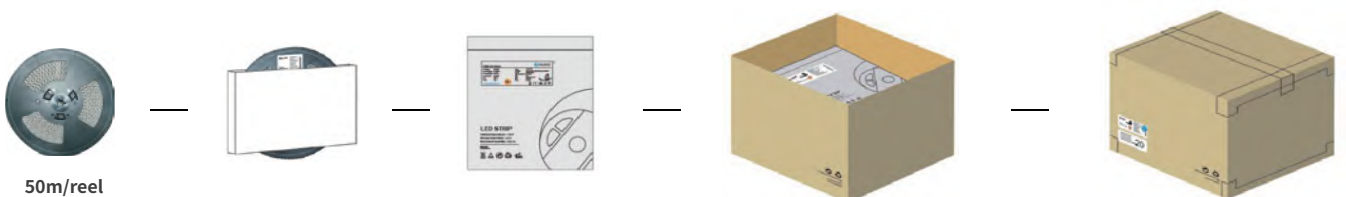
### · Engineering packaging of ET(IP67)/EF(IP67)

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



50m/reel

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



50m/reel

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	50	500	1.4	14.0	16.1	41*41*26
NA	5000*10*1.5	50	500	1.44	14.4	16.56	41*41*26
ET	5000*12*4.8	50	100	4.99	9.98	11.47	25.5*25.5*26
EF	5000*12*5	50	100	5.68	11.36	13.064	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 product and seriously affect the life of the product.