

PRO Series Specification

# D8120M

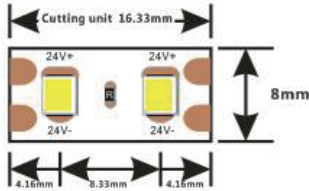
## 24V-8mm

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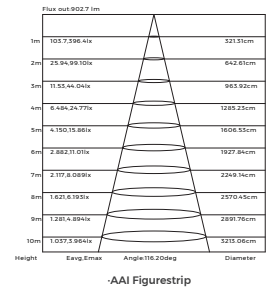
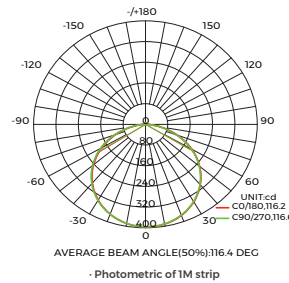
## 【General description】

- Double leds per cut for 24V, easily for customized application
- Mini cut unit up to 16.66mm
- Parameter matches with traditional ones,better for stock management
- Self-encapsulated design offers 5 optional 2700-6000K white lights)



## 【Dimension】

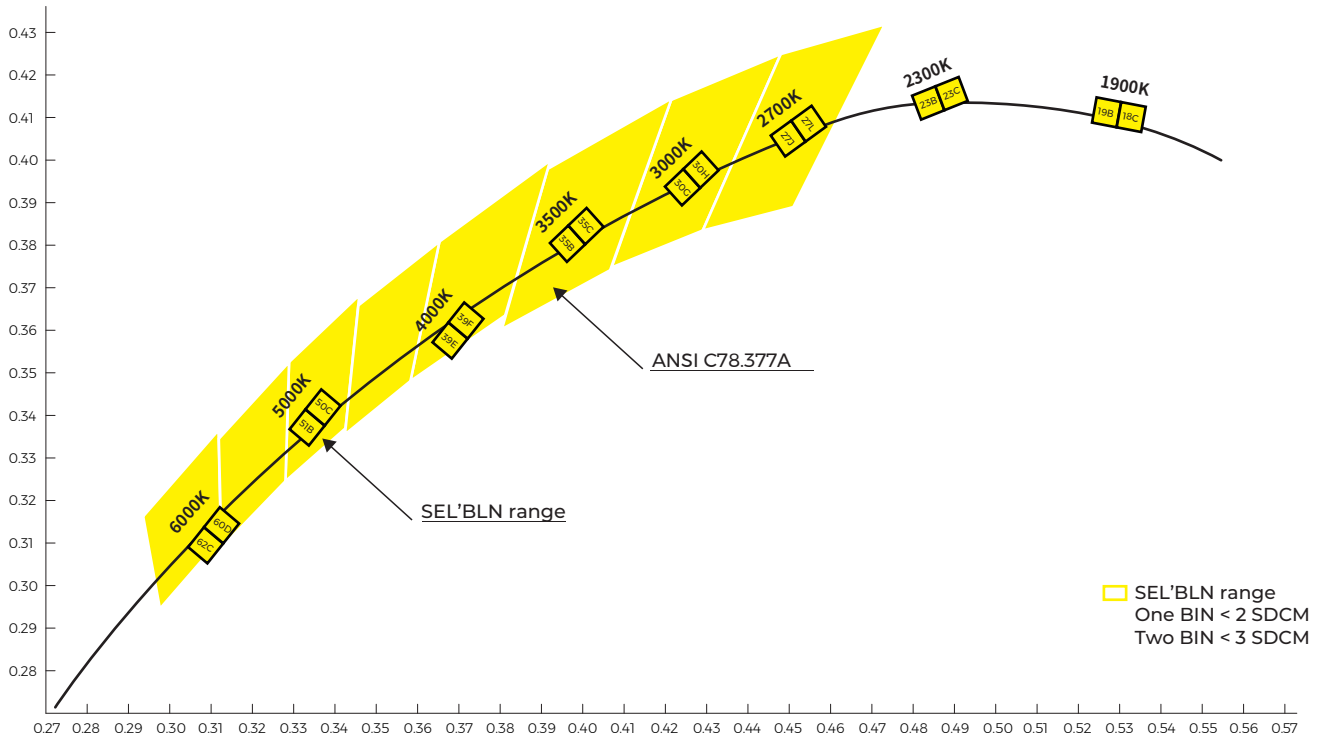
- |                                     |  |
|-------------------------------------|--|
| Input voltage: DC24V                | Max.length: 5000mm(16.4')              |
| CRI: 90                             | Cutting unit: 2leds/16.66mm(0.66")     |
| Max.power: 14.4W(1m)                | LED pitch: 8.33mm(0.33")               |
| Power range: 12.5~14.4W(1m)         | Min. bend diameter: $\Phi$ 60mm(2.36") |
| Rated current: 0.563A(1m) 2.67A(5m) | Mounting: 3M tape                      |
| Typical Power: 13.5W(1m) 64.08W(5m) | Copper foil: 3oz                       |
| tape IP: IP20/IP65/IP67             |  |
| On-off times: 10000 (test times)    |  |
| Warranty: 5years                    |  |



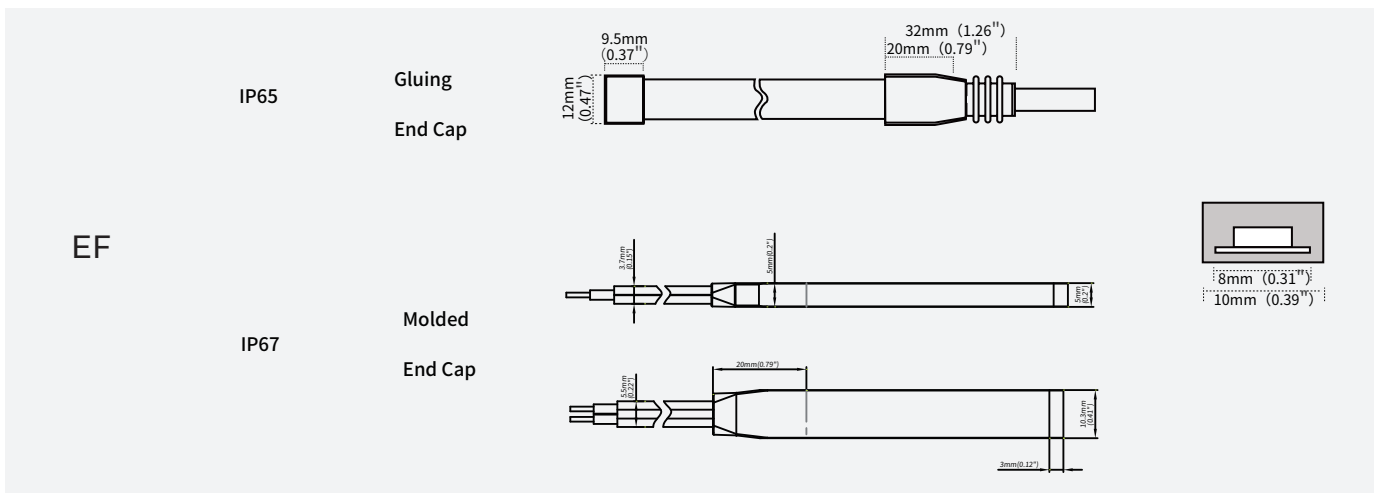
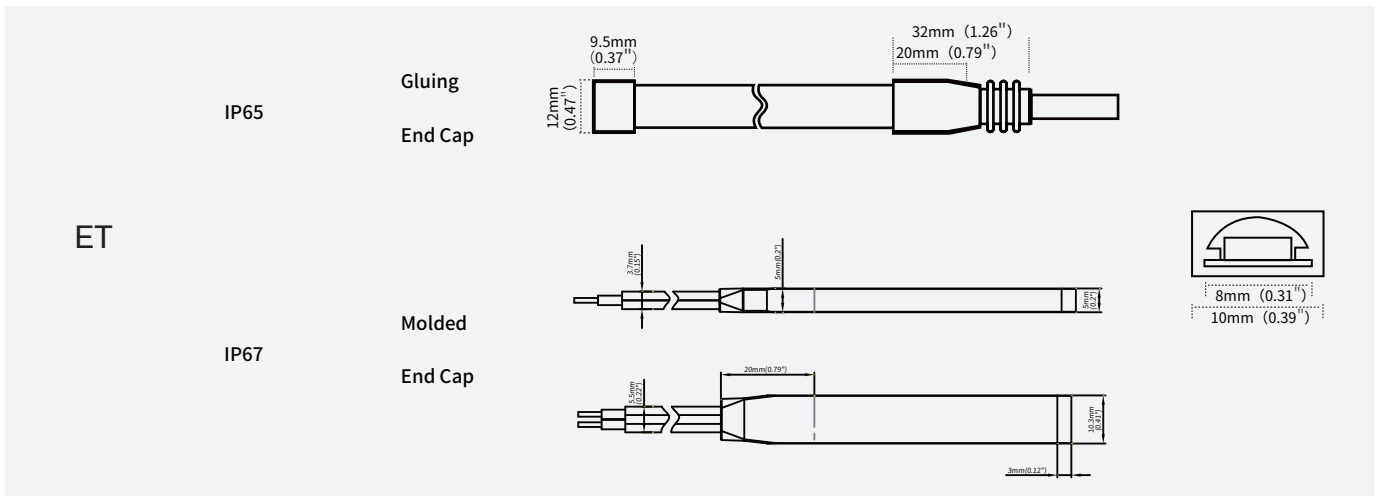
## 【Photo-electric Parameters】

CRI	Color	CCT	Lumen(lm/m)	Lumen(lm/ft)	lm/W	ErP 2019
Ra>90	SW	2700K	1170	356	87	/
Ra>90	WW	3000K	1240	378	92	/
Ra>90	NW	4000K	1300	396	96	/
Ra>90	DW	5000K	1300	396	96	/
Ra>90	W	6000K	1240	378	92	/

- 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 IP20/1merter, data of 5m in only for reference.
- 4.IP protection process leads changes to size, CCT and luminous flux.



### 【IP process information】

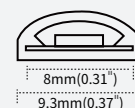
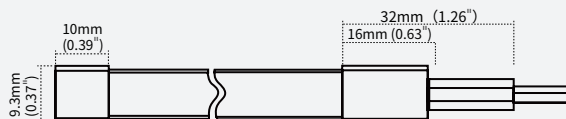


EG/EGR







IP65

Gluing

End Cap


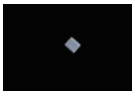







## 【Electronic & output data】

IP Process	Picture	Picture description	Size	optional CCT/color for finished product	lumen output rate
NO		No proof	8mm*1.5mm	2700K/3000K/4000K/5000K/6000K	100%
NA		Nano-proof	8mm*1.5mm	2700K/3000K/4000K/5000K/6000K	98%
ET		Extrusion tube	10mm*4.8mm	2700K/3000K/4000K/5000K/6000K	88%
EG		Extrusion curved tube	9.3mm*3.8mm	2700K/3000K/4000K/5000K/6000K	88%
EGR		Milky white all-inclusive hollow arc extrusion	9.3mm*3.8mm	2700K/4000K	90%
EF		Milky white all-inclusive hollow arc extrusion	10mm*5mm	3400K/3850K/5800K/8750K/15000K	86%

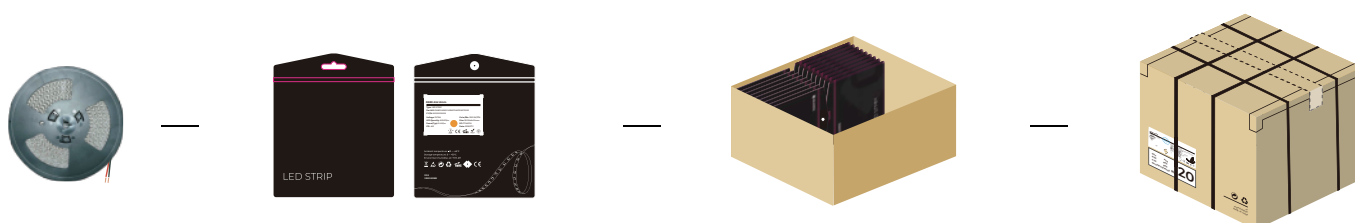
## 【Accessories Information】

Name	Picture	Code	coding	description
Connector for wire and FPC		94-42-620800001	TXB208-NOGA	8mm width, 2PIN connector of wire and FPC, suitable for white color strip, NO/NA, 2PIN wire 18-22AWG
Connector for FPC and FPC		94-42-620800002	TBB208-NOGA	8mm width, 2PIN connector of FPC and FPC, suitable for white color strip, NO/NA
Slim connector		81-01-000000-000064	TBB208-NOTA	Suitable for 8mm board width, IP20, 2PIN board-to-board solderless terminal
Slim connector		81-01-000000-000066	TXB208-NOTA012	Suitable for 8mm board width, IP20, 2PIN wire-to-board solderless terminal
Fixed Clip		94-02-00-0002	FSW08SA	Silicone clip, screw: PA 3*8mm, suitable for 8mm FPC, EF/ET strip
Gas phase rubber plug		94-02-00-0038	DT08EG-A	Translucent gas phase adhesive plug, suitable for 8mm wide silicone extrusion eg lamp with
Gas phase gel plugging		94-02-00-0039	DW08EG-A	Translucent gas phase adhesive plug, suitable for 8mm wide silicone extrusion eg lamp with end plug

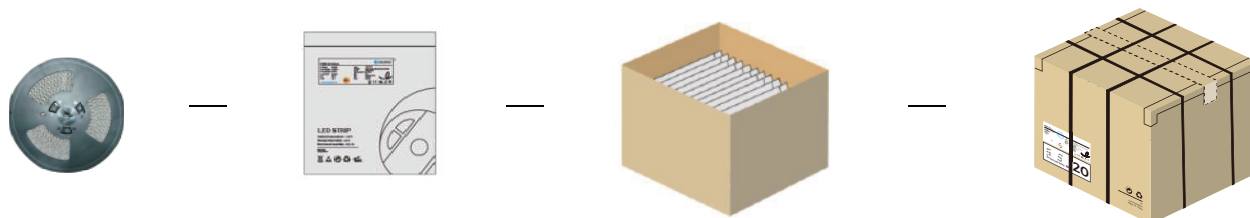
Name	Picture	Code	coding	description
Silicone Plug Kit		94-02-00-0044	DT08EA-A	Silicone plug kit, suitable for 8mm board width, ET/EF series silicone extrusion light strip
Silicone stopper kit		94-02-00-0045	DW08EA-A	Silicone tail plug kit, suitable for 8mm board width, ET/EF series silicone extrusion light strip
Mounting groove		94-02-00-0024	CVT08EA-12100100	Transparent PVC mounting groove, suitable for 8mm FPC, silicone extruded EF/ET strip
Stopper glue		94-16-03010001	AS-PG-0003	Silicone gel, suitable for ET/EF/EG waterproof LED strip
ET solderless plug		94-03-00-0027	PT208-ETWA	Monochromatic light strip, 8mm board width, ETS protection technology
ET press-fit terminals		94-03-00-0028	CBX208-ETWA020	Monochromatic light strip, 8mm board width, ETS protection technology
ET press-fit terminal kit		94-03-00-0029	STBX208-ETWA020	Monochromatic light strip, 8mm board width, ETS protection technology

## 【Packing】

SEL brand package



General customized package

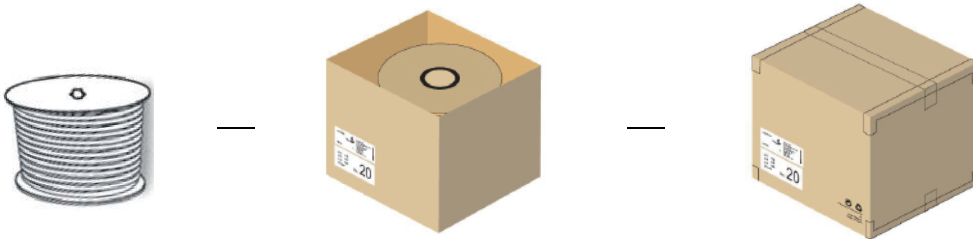


IP Process	Product size(mm)	Product quantity (m/reel)	Product quantity (m/case)	Product net weight(kg)	Net weight per box(kg)	Gross weight(kg)	Package size (cm)
NO	5000*8*1.5	5	300	0.135	8.1	9.315	41*41*26
NA	5000*8*1.5	5	300	0.137	8.22	9.453	41*41*26
ET	5000*10*4.8	5	200	0.46	18.4	21.16	41*41*26
EG/EGR	5000*9.3*3.8	5	200	0.217	8.68	9.982	41*41*26
EF	5000*10*5	5	200	0.506	20.24	23.276	41*41*26

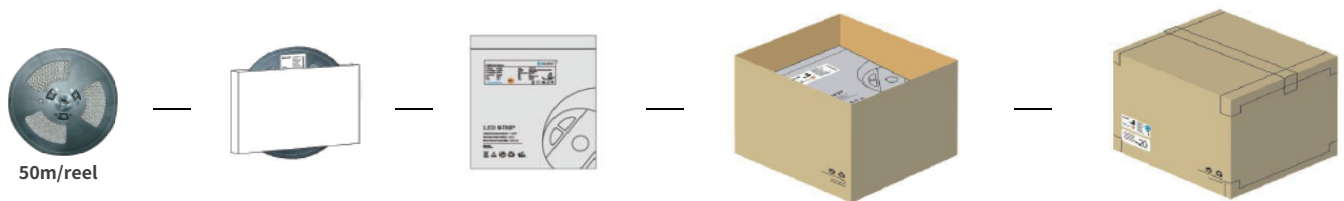
Remark: data with 10% tolerance

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

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



#### · 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	1.35	17.55	20.182	41*41*26
NA	50000*8*1.5	50	650	1.37	17.81	20.481	41*41*26
ET	50000*10*4.8	50	100	4.7	9.4	10.81	25.5*25.5*26
EG/EGR	50000*9.3*3.8	50	100	2.17	4.34	4.991	25.5*25.5*26
EF	50000*10*5	50	100	5.16	10.32	11.868	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.