STD Series | Specification

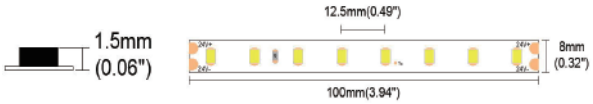
DR880

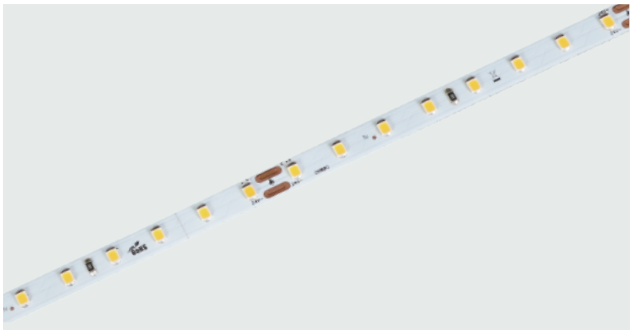
24V-8mm

TEL: (619) 340-1203 E-mail:contact@90pluslighting.com www.90pluslighting.com

【General description】

· Reel to reel process, no soldering joint with max. 25m
·160LM/W，new ErP D class
·With life span over 60000H, LM80 proved
·Ta: -25~40°C；Tc：75°C（max）

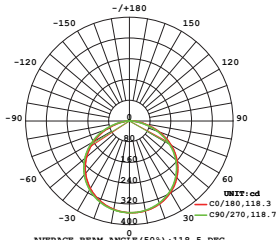




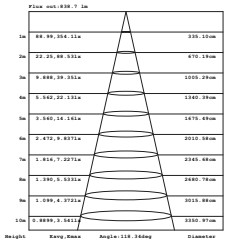
【Dimension】

Input voltage：DC24V
CRI：80
Max.power: 7.2W(1m)
Power range: 6～7.2W(1m)
Rated current：0.28A(1m) 1.24A(5m)
Typical Power：6.6W(1m) 29.7W(5m)
tape IP： IP20/IP65/IP67
On-off times: 10000（test times）
Warranty： 5years

Max.length： 5000mm(16.4')
Cutting unit：8leds/100mm(3.94")
LED pitch：12.5mm(0.49")
Min. bend diameter：Φ60mm(2.36")
Mounting： 3M tape
Copper foil: 2oz



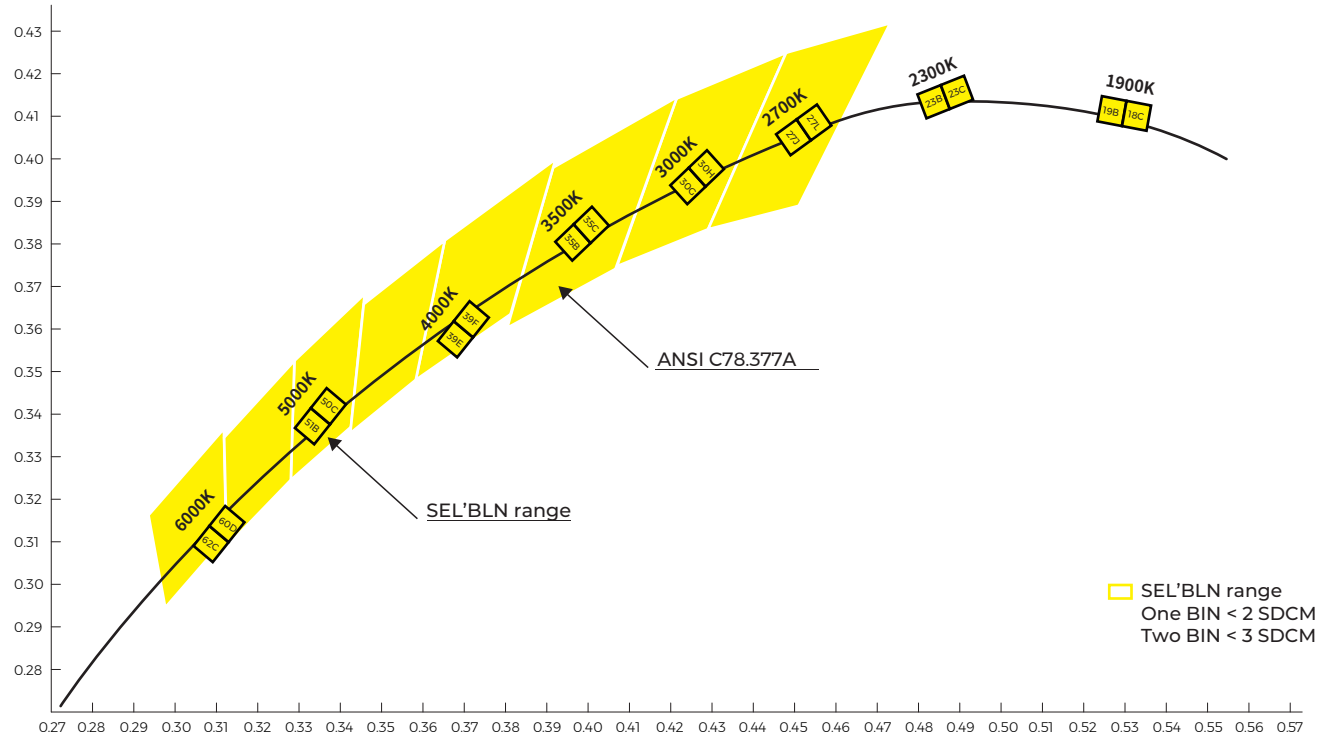
· Photometric of 1M strip


·AAI Figurestrip

【Photo-electric Parameters】

CRI	Color	CCT	Lumen(lm/m)	Lumen(lm/ft)	lm/W	ErP 2019
Ra>80	SW	2700K	995	300	151	D
Ra>80	WW	3000K	1035	315	157	D
Ra>80	NW	4000K	1055	320	160	D
Ra>80	W	6000K	1020	310	155	D

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.



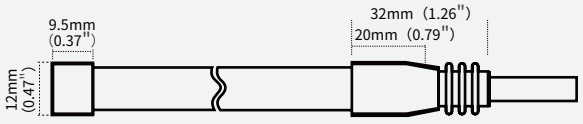
【IP process information】

ET

IP65

Gluing

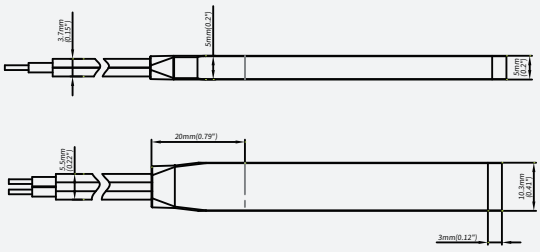
End Cap

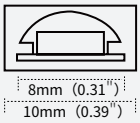


IP67

Molded

End Cap



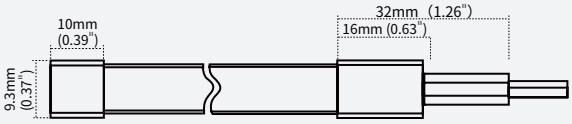


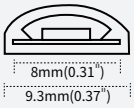
EG

IP65

Gluing

End Cap



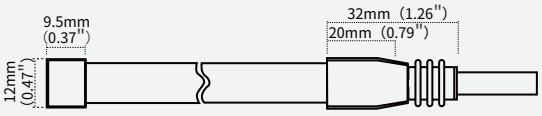


EF

IP65

Gluing

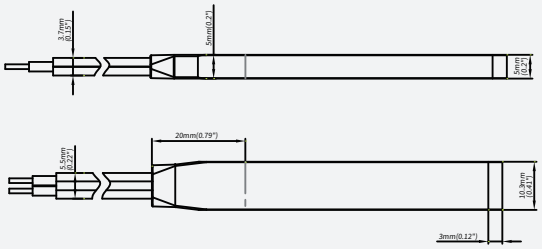
End Cap

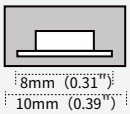


IP67

Molded

End Cap

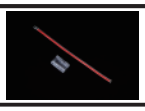




【Electronic & output data】

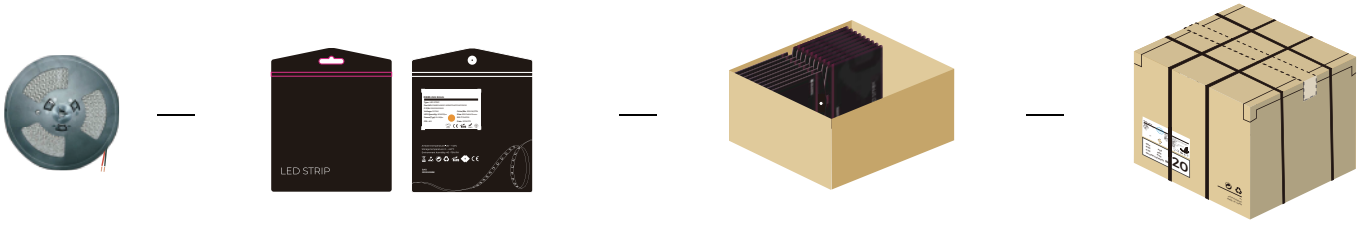
IP Process	Picture	Picture description	Size	optional CCT/color for finished product	lumen output rate
NO	 NO/IP20	No proof	8mm*1.5mm	2700K/3000K/4000K/6000K	100%
NA	 NANO/IP65	Nano-proof	8mm*1.6mm	2700K/3000K/4000K/6000K	98%
ET	 ET/IP67	Extrusion tube	10mm*4.8mm	2700K/3000K/4000K/6000K	88%
EG	 EG/IP65	Extrusion curved tube	9.3mm*3.8mm	2700K/3000K/4000K/6000K	88%
EF	 EF/IP67	Extrusion filling	10mm*5mm	3400K/3850K/5800K/15000K	86%

【Accessories Information】

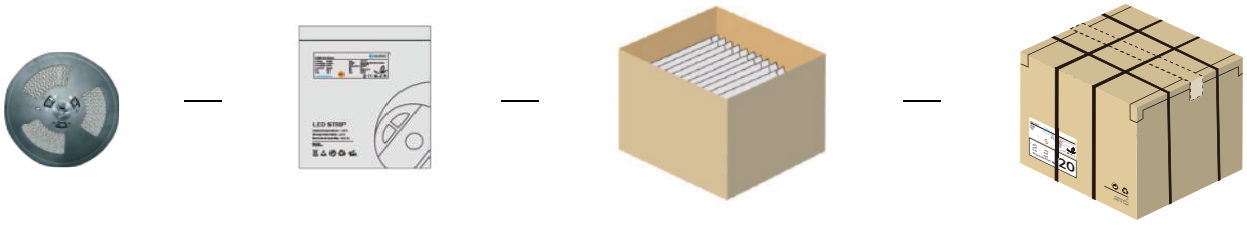
Name	Picture	Code	coding	description
Connector for wire and FPC		94-42-620800001	TXB208-NOGA	8mm width, 2PIN connector of wire and FPC, suitable for white color strip, NO/NA, 2PIN wire18- 22AWG
Connector for FPC and FPC		94-42-620800002	TBB208-NOGA	8mm width, 2PIN connector of FPC and FPC, suitable for 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
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



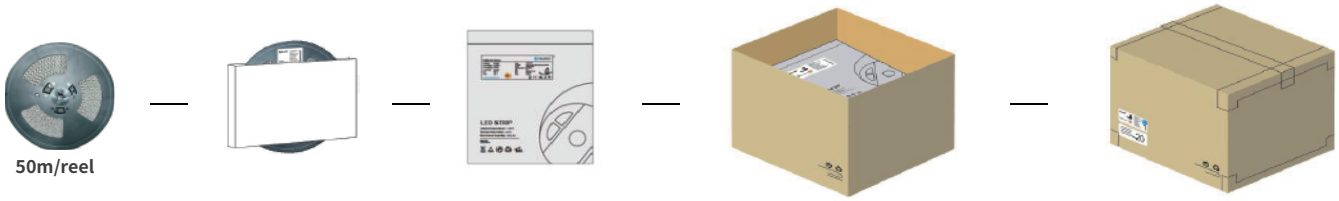
IP Process	Product size(mm)	Product quantity (m/reel)	Product quantity (m/case)	Product net weight(kg)	Net weight per box(kg)	Gross weight(kg)	Package size (cm)
NO	5000*8*1.5	5	300	0.118	7.08	8.142	41*41*26
NA	5000*8*1.6	5	300	0.12	7.2	8.28	41*41*26
ET	5000*10*4.8	5	200	0.443	17.72	20.378	41*41*26
EG	5000*9.3*3.8	5	200	0.19	7.6	8.74	41*41*26
EF	5000*10*5	5	200	0.489	19.56	22.494	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).



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*8*1.5	50	650	1.18	15.34	17.641	41*41*26
NA	5000*8*1.6	50	650	0.2	15.6	17.94	41*41*26
ET	5000*10*4.8	50	100	4.52	9.04	10.396	25.5*25.5*26
EG	5000*9.3*3.8	50	100	1.9	3.8	4.37	25.5*25.5*26
EF	5000*10*5	50	100	4.98	9.96	11.454	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℃~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).
- ATTENTION, there are 2 soldering parts per reel (5m/reel) at most when mass production, just for few reels.
- 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.