

PRO Series Specification

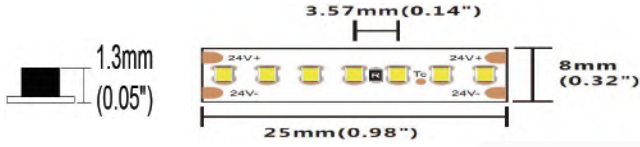
# D6280

## 24V-8mm



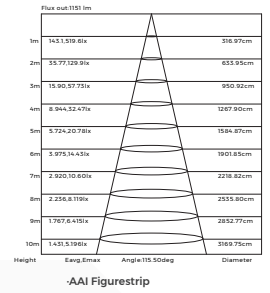
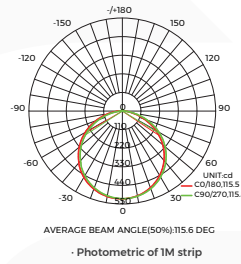
## 【General description】

- Super-dense LED distribution of 280 LED/m and ultraslim thickness of 1.3mm, matching profiles better
- Self-encapsulated design offers 4 optional 2700-6000K white lights, CRI 90
- With life span over 36000H
- Ta: -25-40°C; Tc: 75°C (max)



## 【Dimension】

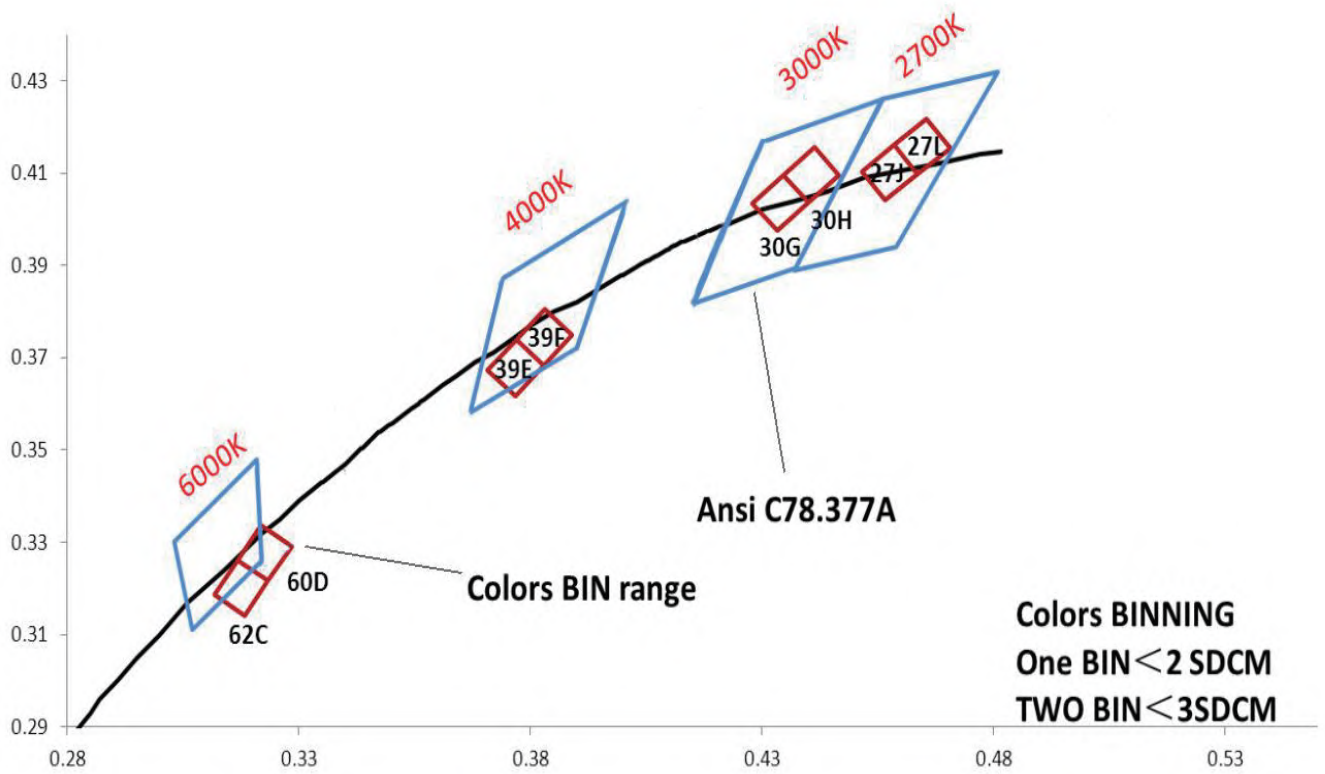
- |                                    |  |
|------------------------------------|--|
| Input voltage: DC24V               | Max.length: 5000mm(16.4')              |
| CRI: 90                            | Cutting unit: 7leds/25mm(0.98")        |
| Max.power: 16.5W(1m)               | LED pitch: 3.57mm(0.14")               |
| Power range: 13.5~16.5W(1m)        | Min. bend diameter: $\Phi$ 60mm(2.36") |
| Rated current: 0.625A(1m) 2.6A(5m) | Mounting: 3M tape                      |
| Typical Power: 15W(1m) 62.4W(5m)   | Copper foil: 3oz                       |
| tape IP: IP20/IP65/IP67            |  |
| On-off times: 10000 (test times)   |  |
| Warranty: 5years                   |  |



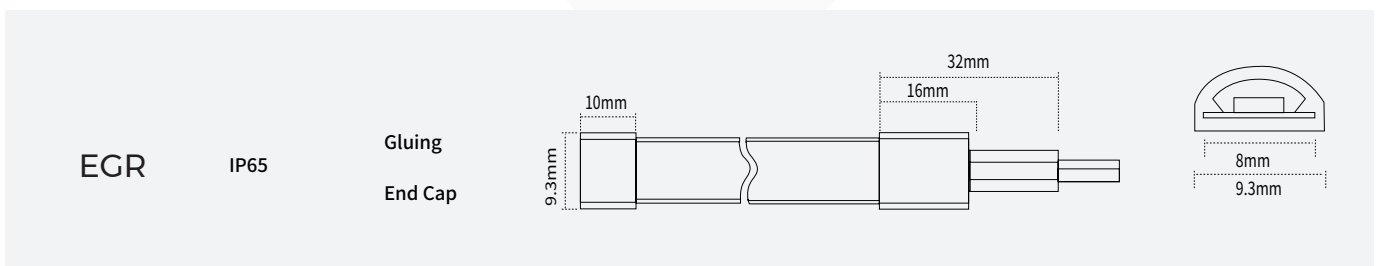
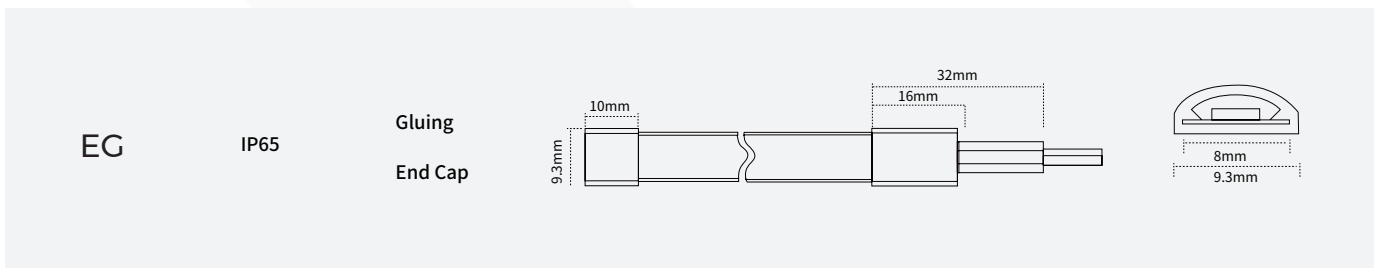
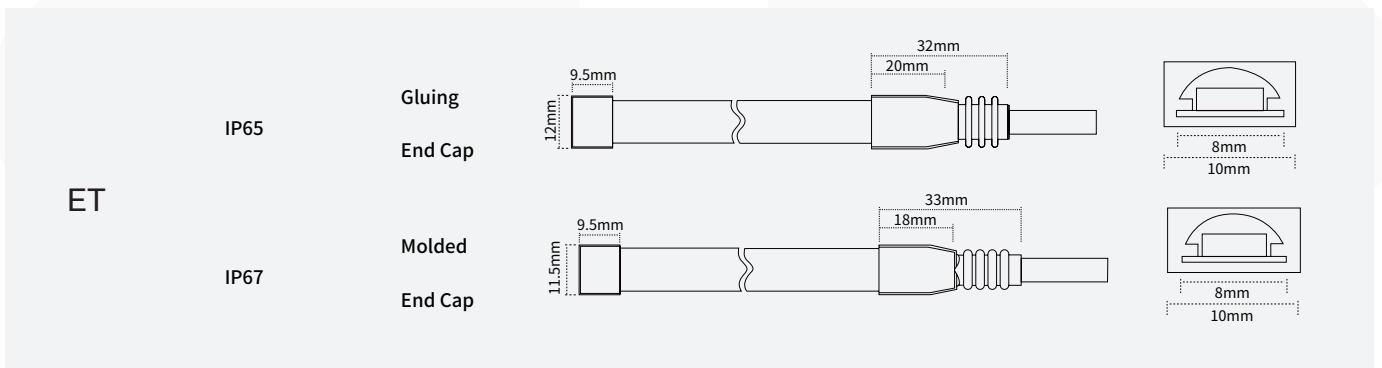
## 【Photo-electric Parameters】

CRI	Color	CCT	Lumen(lm/m)	Lumen(lm/ft)	lm/W	ErP 2019
Ra>90	SW	2700K	1500	457	100	F
Ra>90	WW	3000K	1590	484	106	F
Ra>90	NW	4000K	1650	503	110	F
Ra>90	W	6000K	1590	484	106	F






- 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/Imerter, 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 proof	8mm*1.3mm	2700K/3000K/4000K/6000K	100%
NA		Nano-proof	8mm*1.4mm	2700K/3000K/4000K/6000K	98%
ET		Extrusion tube	10mm*4.8mm	2700K/3000K/4000K/6000K	88%
EG		Extrusion curved tube	9.3mm*3.8mm	2700K/3000K/4000K/6000K	88%
EGR		Milky white all-inclusive hollow arc extrusion	9.3mm*3.8mm	2700K/4000K/6000K	90%

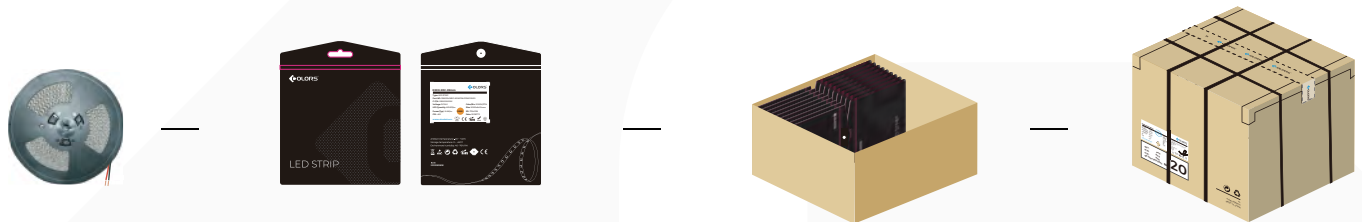
## 【Accessories Information】

Name	Picture	Code	description
Connector for wire and FPC		94-42-620800001	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	8mm width, 2PIN connector of FPC and FPC, suitable for white color strip, NO/NA
Slim connector		94-03-00-0065	Suitable for 8mm board width, IP20, 2PIN board-to-board solderless terminal
Slim connector		94-03-00-0066	Suitable for 8mm board width, IP20, 2PIN wire- to-board solderless terminal
Fixed Clip		94-02-00-0002	Silicone clip, screw: PA 3*8mm, suitable for 8mm FPC, EF/ET strip
Gas phase rubber plug		94-02-00-0038	Translucent gas phase adhesive plug, suitable for 8mm wide silicone extrusion eg lamp with
Gas phase gel plugging		94-02-00-0039	Translucent gas phase adhesive plug, suitable for 8mm wide silicone extrusion eg lamp with end plug
Gas phase rubber plug		94-02-00-0044	Silicone cap with hole&without hole, suitable for 8mm FPC, ET waterproof LED strip
Gas phase gel plugging		94-02-00-0045	Silicone end cap with hole&without hole, suitable for 8mm FPC, ET waterproof LED strip
Stopper glue		94-16-03010001	Silicone gel, suitable for ET/EF/EG waterproof LED strip

Name	Picture	Code	description
Mounting groove		94-02-00-0024	Transparent PVC mounting groove,suitable for 8mm FPC,silicone extruded EF/ET strip
ET solderless plug		94-03-00-0027	Monochromatic light strip, 8mm board width, ET protection technology
ET press-fit terminals		94-03-00-0028	Monochromatic light strip, 8mm board width, ET protection technology
ET press-fit terminal kit		94-03-00-0029	Monochromatic light strip, 8mm board width, ET protection technology

## 【Packing】

Colors brand package



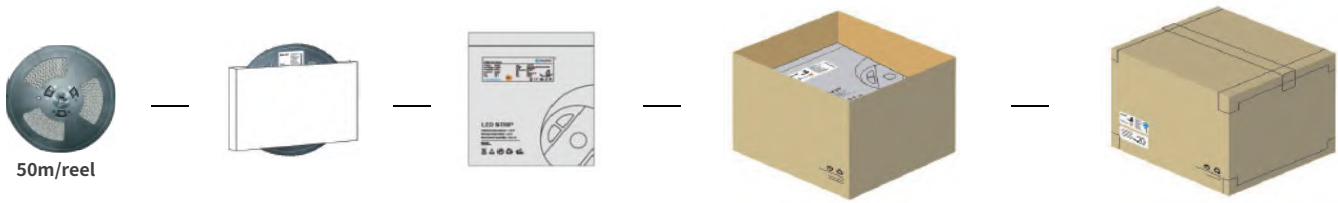
General customized package



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*1.3	5	300	0.127	7.62	8.736	41*41*26
NA	5000*8*1.4	5	300	0.129	7.74	8.901	41*41*26
ET	5000*10.5*4.2	5	200	0.338	13.52	15.548	41*41*26
EG/EGR	5000*9.3*3.8	5	200	0.19	7.6	8.74	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*8*1.3	50	650	1.27	16.51	18.987	41*41*26
NA	50000*8*1.4	50	650	1.29	16.77	19.286	41*41*26
ET	50000*10*4.8	50	100	4.68	9.36	10.764	25.5*25.5*26
EG/EGR	50000*9.3*3.8	50	100	1.9	3.8	4.37	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).
- 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.