

PRO Series Specification

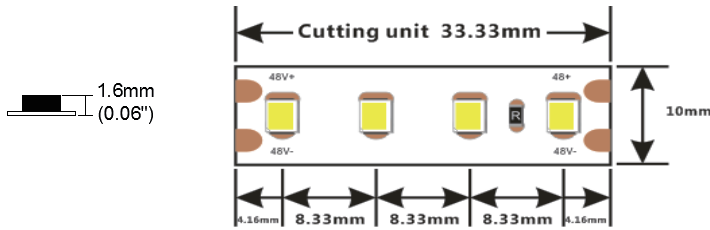
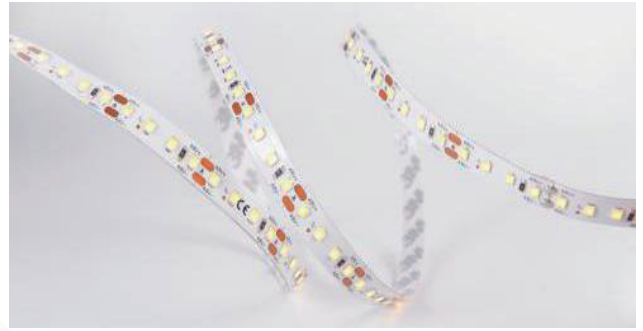
D8120

48V-10mm



【General description】

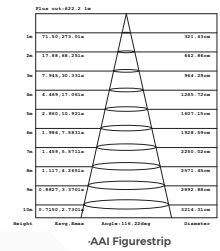
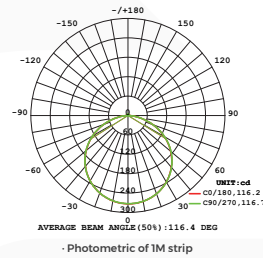
- Max.length is 30 meters driven by one end
- strips is of lower current with 48V input, better for longer wire connection
- ultra long application with less power feed,high cost efficiency for project system
- With life span over 36000H Ta: -25~40°C; Tc: 75°C (max)



【Dimension】

Input voltage: DC48V
 CRI: 80/90
 Max.power: 9.6W(1m)
 Power range: 8~9.6W(1m)
 Rated current: 0.183A(1m) /4.33A(30m)
 Typical Power: 8.8W(1m) /207.8W(30m)
 tape IP: IP20/IP65/IP67/IP68
 On-off times: 10000 (test times)
 Warranty: 5years

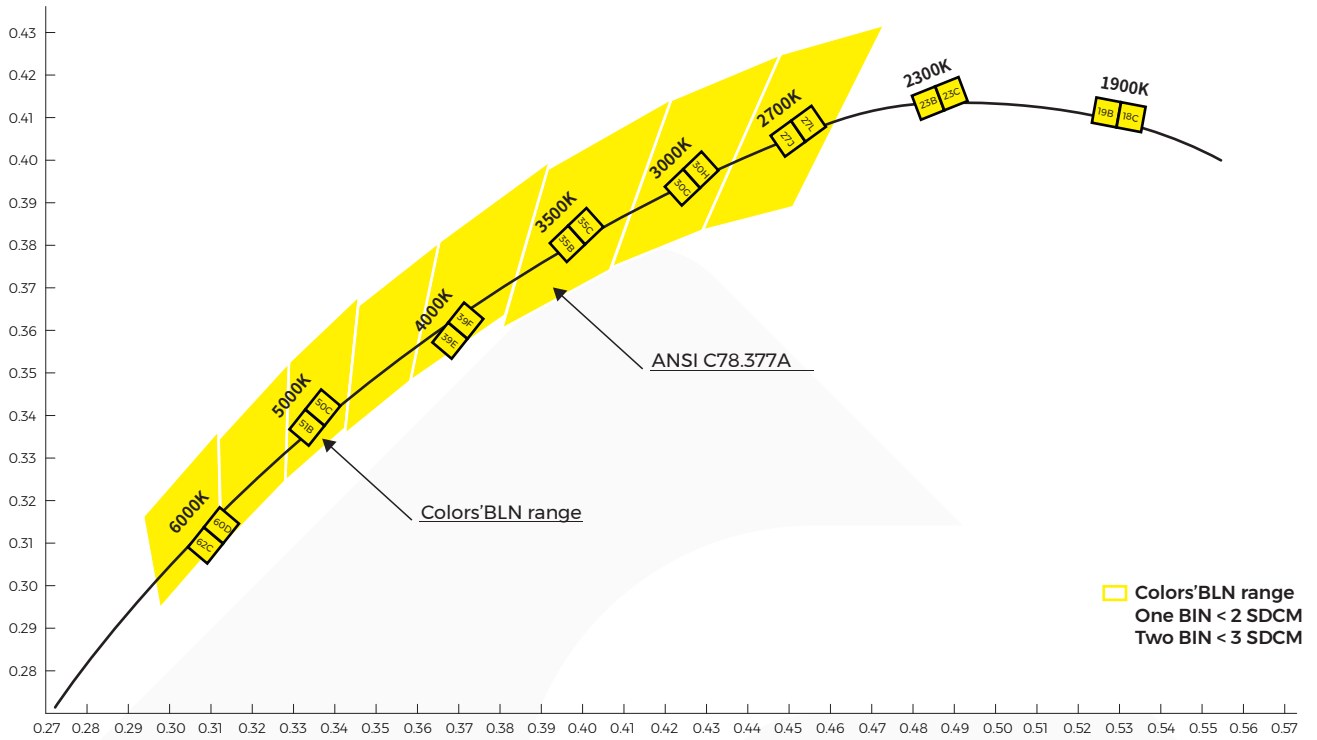
Max.length: 30000mm(98.43')
 Cutting unit: 4leds/33.33mm(1.31")
 LED pitch: 8.33mm(0.33")
 Min. bend diameter: Φ 60mm(2.36")
 Mounting: 3M tape
 Copper foil: 3oz



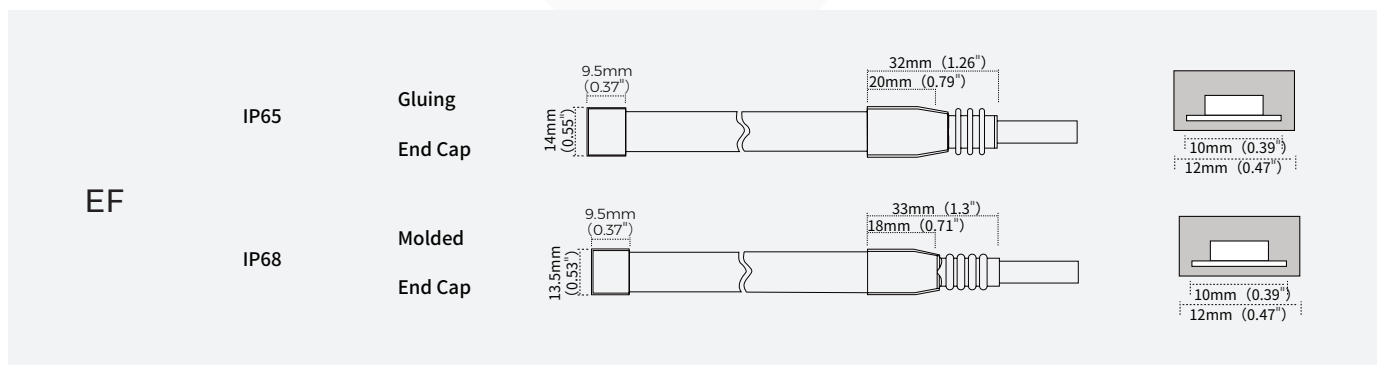
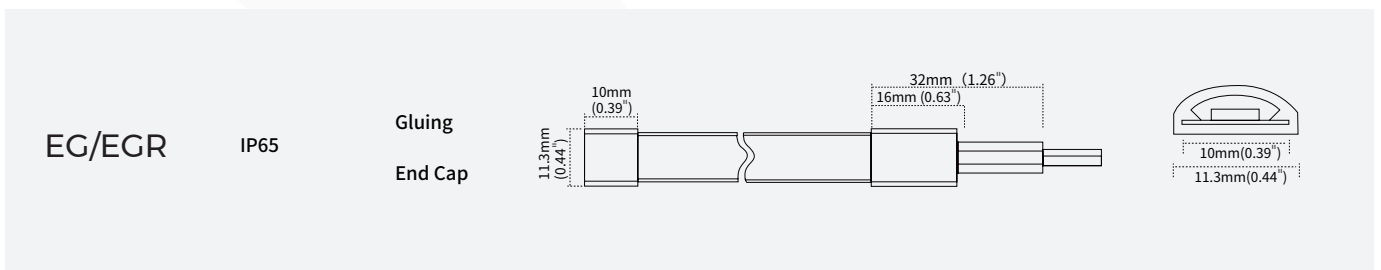
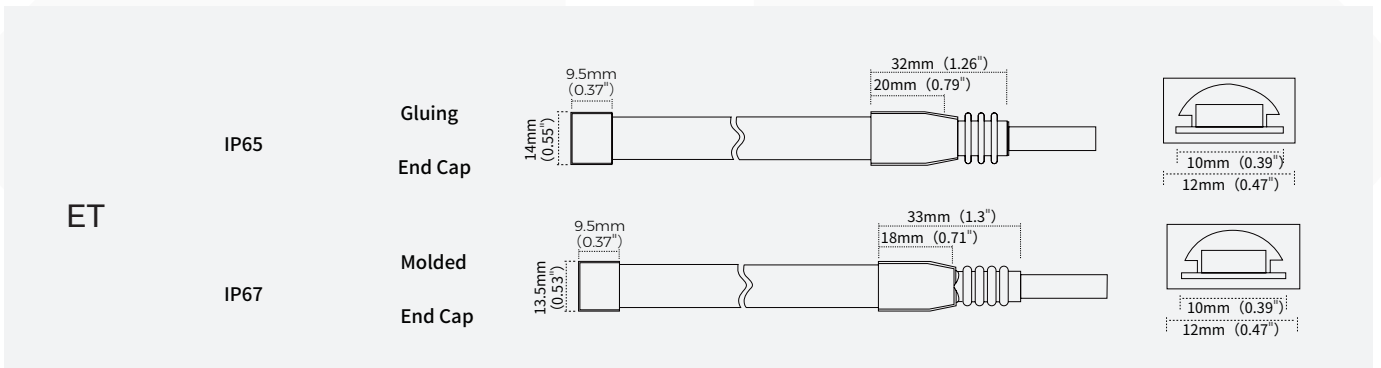
【Photo-electric Parameters】

CRI	Color	CCT	Lumen(lm/m)	Lumen(lm/ft)	lm/W	ErP 2019
Ra>80	SW	2700K	905	275	103	G
Ra>80	WW	3000K	950	290	108	G
Ra>80	NW	4000K	985	300	112	G
Ra>80	DW	5000K	985	300	112	G
Ra>80	W	6000K	950	290	108	G
Ra>90	SW	2700K	780	235	89	G
Ra>90	WW	3000K	830	250	94	G
Ra>90	NW	4000K	860	260	98	G
Ra>90	DW	5000K	860	260	98	G
Ra>90	W	6000K	830	250	94	G

- 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.



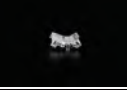
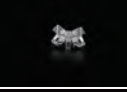
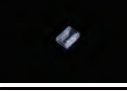



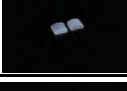


[IP process information]


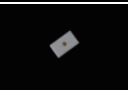





[Electronic & output data]

IP Process	Picture	Picture description	Size	optional CCT/color for finished product	lumen output rate
NO		No proof	10mm*1.6mm	2700K/3000K/4000K/5000K/6000K	100%
NA		Nano-proof	10mm*1.7mm	2700K/3000K/4000K/5000K/6000K	98%
ET		Extrusion tube	12mm*4.8mm	2700K/3000K/4000K/5000K/6000K	88%
EG		Extrusion curved tube	11.3mm*3.8mm	2700K/3000K/4000K/5000K/6000K	88%
EGR		Milky white all-inclusive hollow arc extrusion	11.3mm*3.8mm	2700K/4000K	85%
EF		Extrusion filling	12mm*5mm	3400K/3850K/5800K/8750K/15000K	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
Gas phase rubber plug		18-01-08-0025	Translucent gas phase adhesive plug, suitable for 8mm wide silicone extrusion eg lamp with
Gas phase gel plugging		18-01-08-0026	Translucent gas phase adhesive plug, suitable for 8mm wide silicone extrusion eg lamp with end plug
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

Name	Picture	Code	description
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】

· Engineering packaging of EG/EGR(IP65)/ET(IP67)/EF(IP68)

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



30m/reel



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



30m/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	30000*10*1.5	30	300	0.813	8.13	9.349	41*41*26
NA	30000*10*1.6	30	300	0.829	8.29	9.5335	41*41*26
ET	30000*12*4.8	30	60	3	6	6.9	25.5*25.5*26
EG/EGR	30000*11.3*3.8	30	60	1.353	2.706	3.606	25.5*25.5*26
EF	30000*12*5	30	60	3.311	6.622	7.615	25.5*25.5*26

Remark:data with 10% tolerance

【Precautions】

- Please drive the led strip with 48VDC 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.