

PRO Series Specification

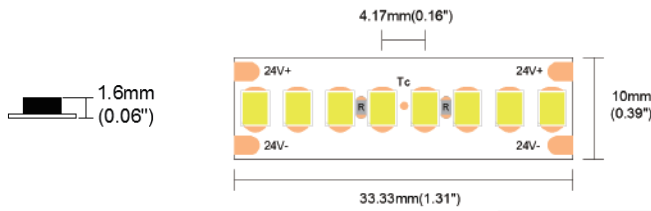
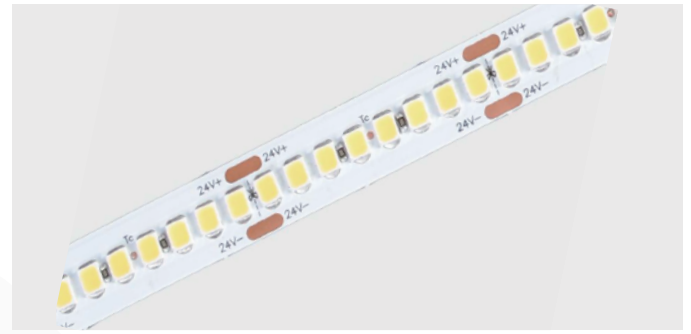
# D8240

## 24V-10mm-20W



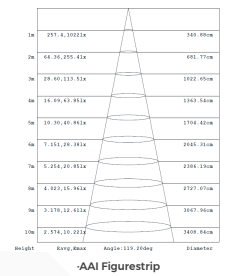
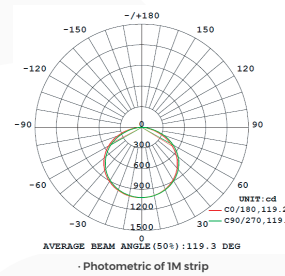
## 【General description】

- Luminance efficiency up to 150LM/W
- Self-encapsulated design offers eight optional 2300-6000K white lights
- With life span over 60000H
- Ta: -25~40°C; Tc: 75°C (max)



## 【Dimension】

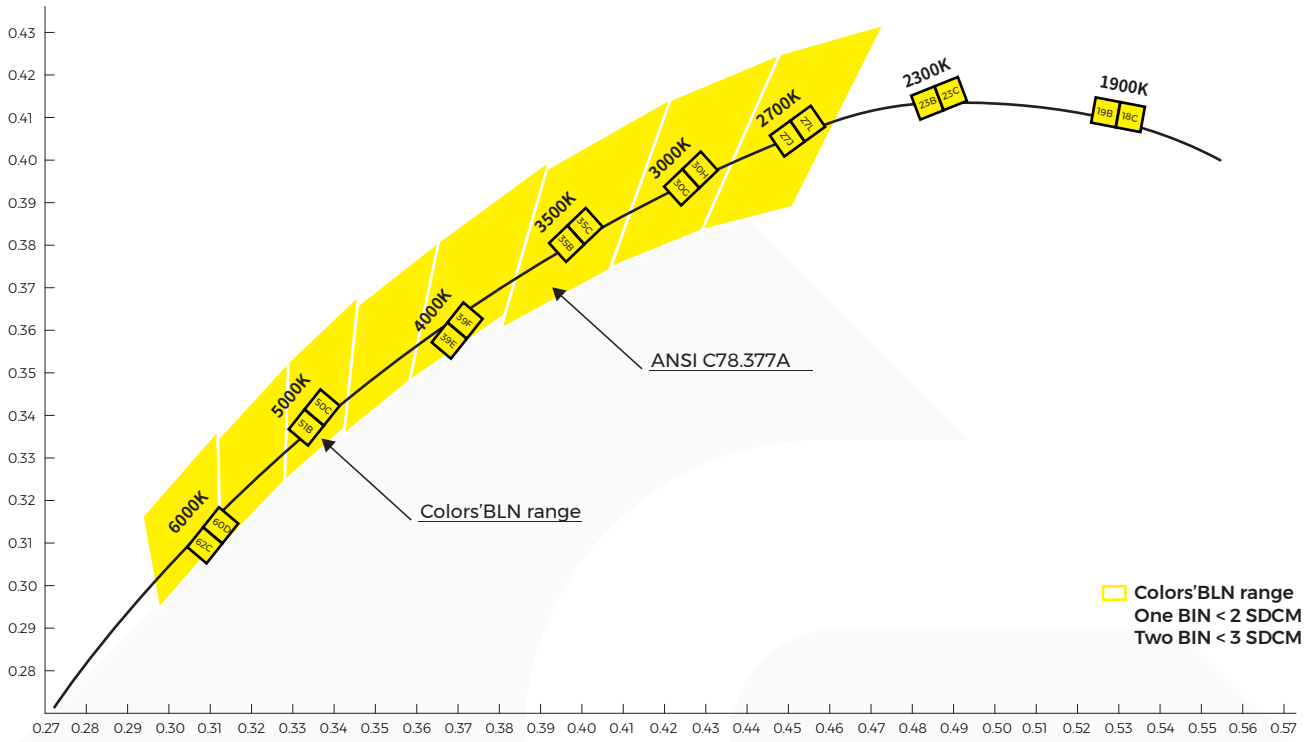
- |                                     |                                    |
|-------------------------------------|------------------------------------|
| Input voltage: DC24V                | Max.length: 5000mm(16.4')          |
| CRI: >80/90                         | Cutting unit: 8leds/33.33mm(1.31') |
| Max.power: 20W(1m)                  | LED pitch: 4.17mm(0.16")           |
| Power range: 16~20W(1m)             | Min. bend diameter: Φ60mm(2.36")   |
| Rated current: 0.83A(1m) /3.5A(5m)  | Mounting: 3M tape                  |
| Typical Power: 17.3W(1m) /72.6W(5m) | Copper foil: 3oz                   |
| tape IP: IP20/IP65                  |                                    |
| 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>80	LW	2300K	2190	667	127	F
Ra>80	SW	2700K	2370	722	137	F
Ra>80	WW	3000K	2490	759	144	E
Ra>80	PW	3500K	2520	890	146	E
Ra>80	NW	4000K	2590	768	150	E
Ra>80	DW	5000K	2590	768	150	E
Ra>80	W	6000K	2490	759	144	E
Ra>90	LW	2300K	1810	551	105	G
Ra>90	SW	2700K	1950	594	113	F
Ra>90	WW	3000K	2050	625	119	F
Ra>90	PW	3500K	2090	637	121	F
Ra>90	NW	4000K	2140	652	124	F
Ra>90	DW	5000K	2140	652	124	F
Ra>90	W	6000K	2050	625	119	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 IP20/1merter , data of 5m in only for reference.
- 4.IP protection process leads changes to size, CCT and luminous flux.



## 【Electronic & output data】

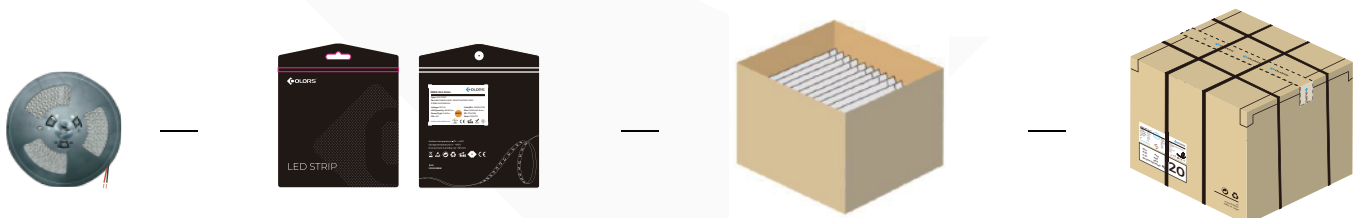
IP Process	Picture	Picture description	Size	optional CCT/color for finished product	lumen output rate
NO		No proof	10mm*1.6mm	1900K/2300K/2700K/3000K/3500K/ 4000K/5000K/6000K/G/B	100%
NA		Nano-proof	10mm*1.7mm	1900K/2300K/2700K/3000K/3500K/ 4000K/5000K/6000K/G/B	98%

## 【Accessories Information】

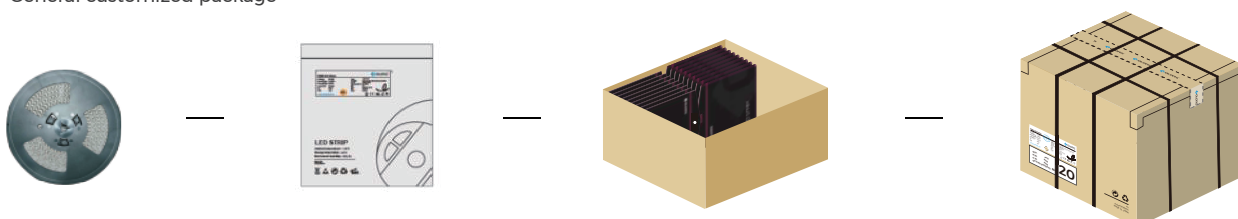
Name	Picture	Code	description
Connector for wire and FPC		94-03-00-0037	10mm width, 2PIN connector of wire and FPC, suitable for white color strip, NO/NA, 2PIN wire18- 22AWG
Connector for FPC and FPC		94-42-621020004	10mm width, 2PIN connector of FPC and FPC, suitable for white color strip,NO/NA
Slim 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

## 【Packing】

Colors brand package



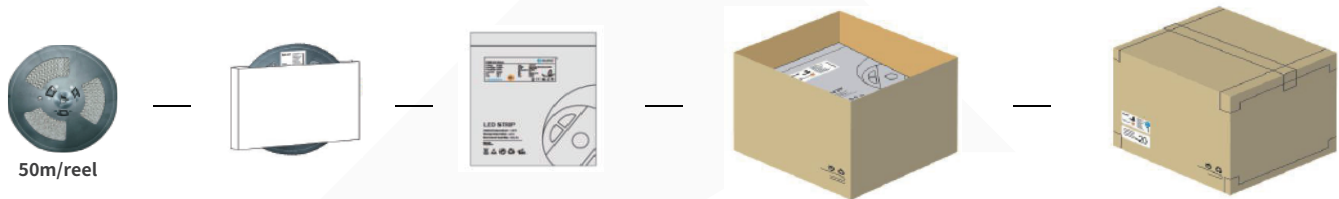
General customized package



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*1.6	5	300	0.14	8.4	9.66	41*41*26
NA	5000*10*1.7	5	300	0.143	8.58	9.867	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*10*1.6	50	650	1.4	18.2	20.93	41*41*26
NA	50000*10*1.7	50	650	1.43	18.59	21.378	41*41*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.