STD Series | Specification

FD192
24V-10mm

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UL E498657 | CE | RoHS | ISO 9001
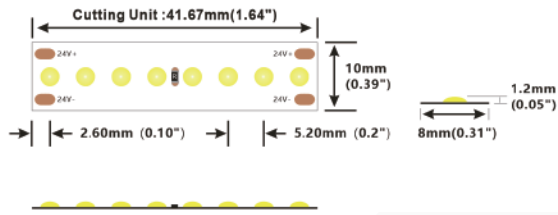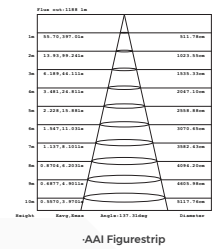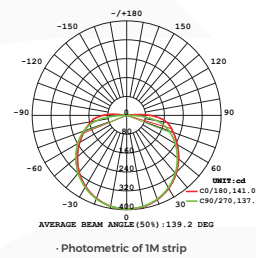
【General description】

· Chip strip,180°emitting， excellent anti-sulfide ability

· Reel to reel process,without soldering joint， high cost effective

· CRI>80,117LM/W

· 4 optional 2700K\3000K\4000K\6500K white lights

Cutting Unit :41.67mm(1.64")

24V+   24V+

24V-   24V-

10mm
(0.39")

1.2mm
(0.05")

2.60mm (0.10")   5.20mm (0.2")   8mm(0.31")

【Dimension】

Input voltage：DC24V

CRI：80

Max.power: 14.4W(1m)

Power range: 11.8～14.4W(1m)

Rated current：0.54A(1m) /1.88A(5m)

Typical Power：13W(1m) /45W(5m)

tape IP：IP20/IP65

On-off times: 10000（test times）

Warranty：3years

Max.length：5000mm(16.4')

Cutting unit：8leds/41.67mm(2.46")

LED pitch：5.2mm(0.2")

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	1290	390	99	F
Ra>80	WW	3000K	1310	400	101	F
Ra>80	NW	4000K	1470	445	113	F
Ra>80	W	6500K	1520	460	117	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.

Chart legend:
- 2700K
- 3000K
- 4000K
- 6500K
- XY

Data labels: 27J, 27L, 30G, 30H, 39E, 39F, 62C, 60D
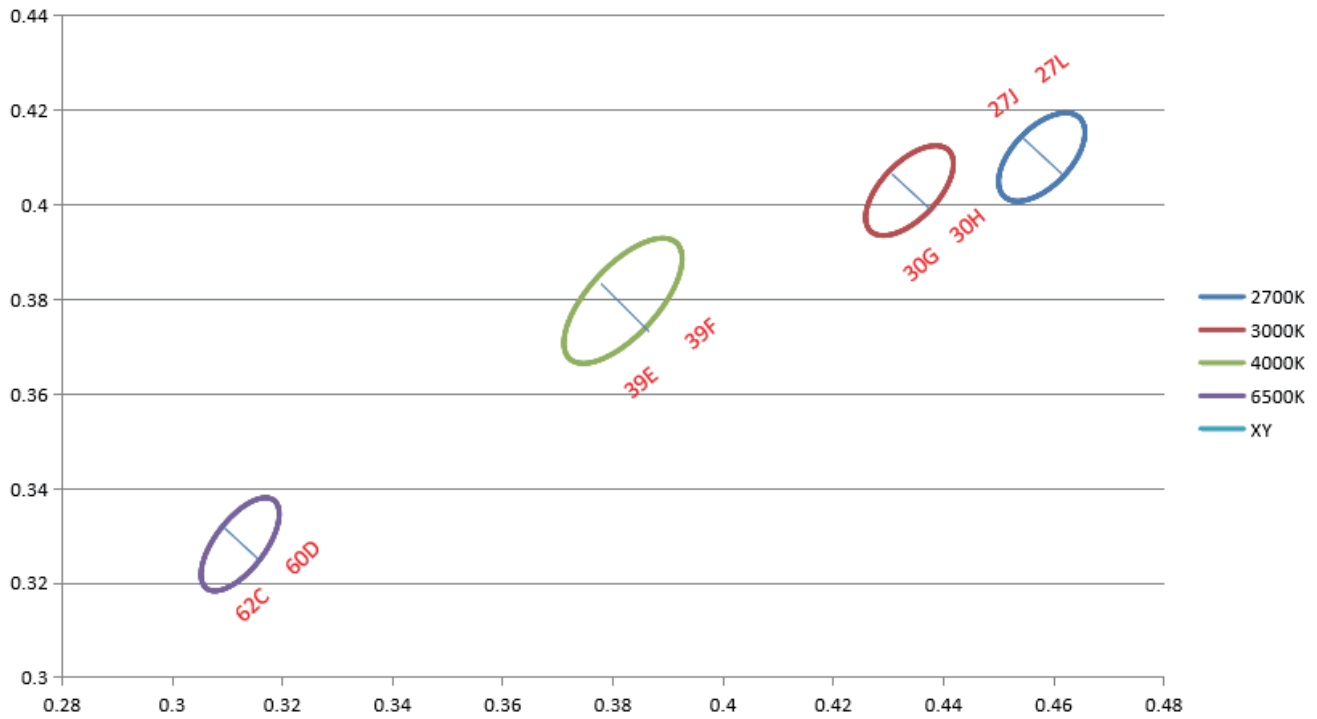
【IP process information】

ETS   IP65   Gluing   End Cap

11mm (0.43")   14mm (0.55")   12mm (0.47")

10mm (0.39")   12mm (0.47")
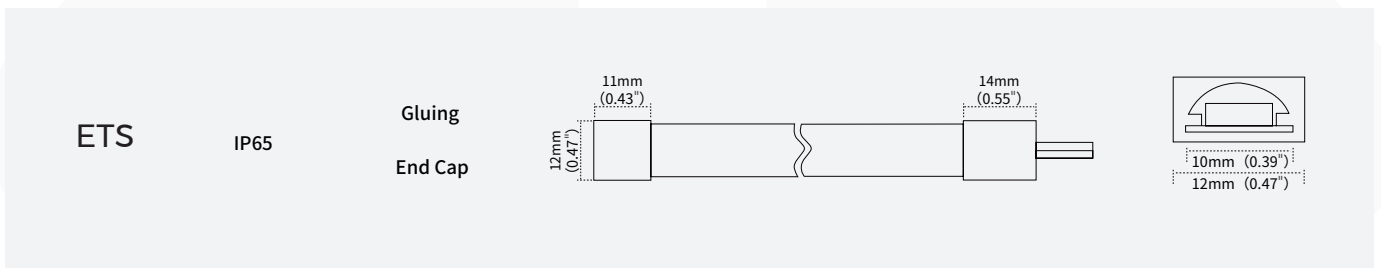
【Electronic & output data】

IP Process	Picture	Picture description	Size	optional CCT/color for finished product	lumen output rate
NO	NO/IP20	No proof	10mm*1.2mm	2700K/3000K/4000K/6500K	100%
NA	NANO/IP65	Nano-proof	10mm*1.2mm	2700K/3000K/4000K/6500K	98%
ETS	ETS/IP65	Extrusion tube	12mm*4.8mm	2700K/3000K/4000K/6500K	88%

【Accessories Information】

Name	Picture	Code	coding	description
Connector for wire and FPC		94-03-00-0037	TXB210-NOGA	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	TBB210-NOGA	10mm width, 2PIN connector of FPC and FPC, suitable for white color strip,NO/NA
Slim connector		81-01-000000-000065	TBB210-NOTA	Suitable for 10mm board width, IP20, 2PIN board-to-board solderless terminal
Slim connector		81-01-000000-000067	TXB210-NOTA012	Suitable for 10mm board width, IP20, 2PIN wire- to-board solderless terminal
Fixed Clip		94-02-00-0003	FSW10SA	Silicone clip, screw: PA 3*8mm, suitable for 10mm FPC,EF/ET strip
Hole plug		94-03-00-0070	DP10ETS-A	Silicone end cap without hole,suitable for 10mm PFC, ETS waterproof LED strip
Mounting groove		94-02-00-0025	CVT10EA-14100100	Transparent PVC mounting groove,suitable for 10mm 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		94-03-00-0030	PT210-ETWA	Monochromatic light strip, 10mm board width, ET protection technology
ET press-fit terminals		94-03-00-0031	CBX210-ETWA020	Monochromatic light strip, 10mm board width, ET protection technology
ET press-fit terminal kit		94-03-00-0032	STBX210-ETWA020	Monochromatic light strip, 10mm board width, ET protection technology

【Packing】

Colors brand package

General customized package
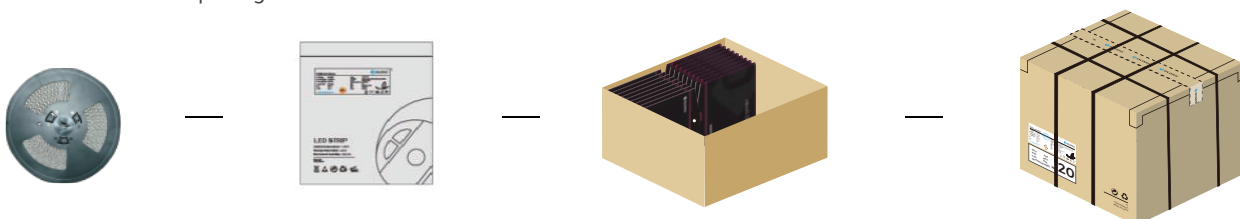
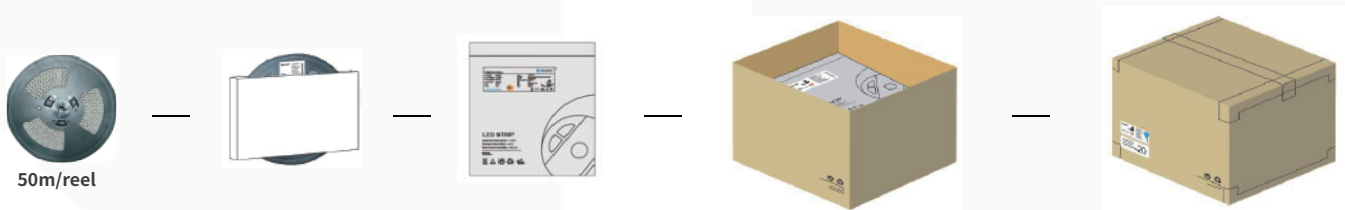| IP Process	Product size(mm)	Product quantity (m/reel)	Product quantity (m/case)	Product net weight(kg)	Net weight per box(kg)	Gross weight(kg)	Package size (mm)
NO	5000*10*1.2	5	270	0.1	5.4	6.21	365*365*190
NA	5000*10*1.2	5	270	0.11	5.94	6.831	365*365*190
ETS	5000*12*4.8	5	270	0.37	14.8	17.02	410*410*260

Remark: data with 10% tolerance

· Engineering packaging of ETS(IP65)

(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 (mm)
NO	50000*10*1.2	50	650	1	13	14.95	410*410*260
NA	50000*10*1.2	50	650	1.1	14.3	16.445	410*410*260
ETS	50000*12*4.8	50	100	3.7	7.4	8.51	255*255*260

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%.

· DO NOT twist the strip, espcecially the emitting point, in case damage of LED chip

· ATTENTION, there are 2 soldering parts per reel (5m/reel) at most when mass production, just for few reels.

· Please do not bend the strip into an arc with a diameter less than 30mm to ensure the longevity and reliability.

· Do not fold it in case any damage of LED chip.

· 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 processof the product is NA. Ultraviolet rays will damage the nano-layers on the product and seriously affect the life of the product.