

COF Series

Specification

# FD192

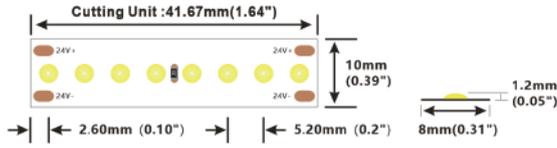
## 24V-10mm

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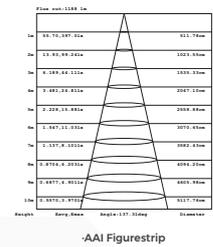
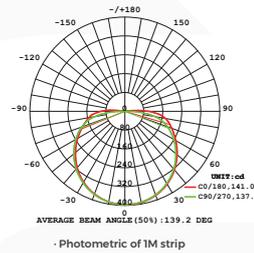
## 【General description】

- Chip strip, 180° emitting, excellent anti-sulfide ability
- Reel to reel process, without soldering joint, high cost effective
- CRI > 80, 117 LM/W
- 4 optional 2700K \ 3000K \ 4000K \ 6500K white lights
- Life longer than 36000H, Ta: -25~40°C; Tc: 75°C (max)
- UL / UACK / CE / ROHS / REACH certification



## 【Dimension】

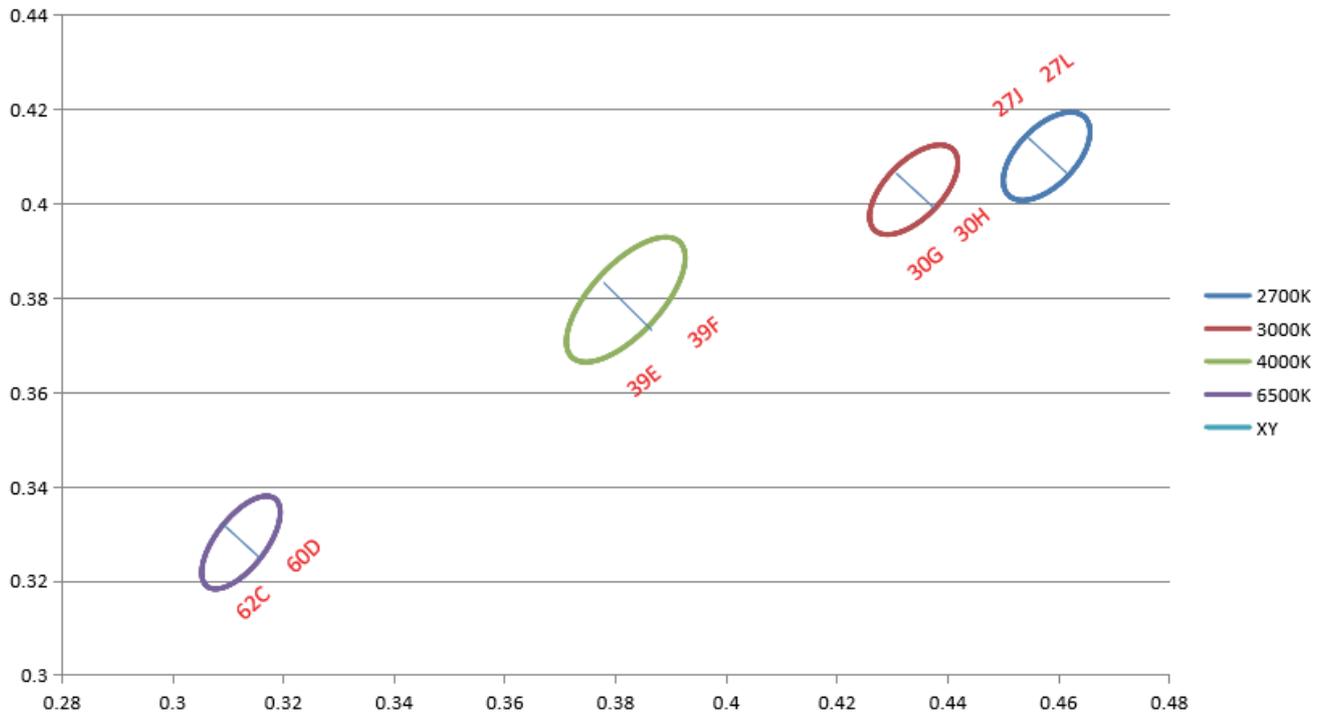
- |  |                                    |
|--|------------------------------------|
| Input voltage: DC24V                         | Max.length: 5000mm(16.4')          |
| CRI: 80                                      | Cutting unit: 8leds/41.67mm(2.46") |
| Max.power: 14.4W(1m)                         | LED pitch: 5.2mm(0.2")             |
| Power range: 11.8~14.4W(1m)                  | Min. bend diameter: Φ60mm(2.36")   |
| Rated current: 0.54A(1m) / 1.88A(5m)         | Mounting: 3M tape                  |
| Typical Power: 13W(1m) / 45W(5m)             | Copper foil: 1oz                   |
| tape IP: IP20/IP65                           |                                    |
| On-off times: 10000 (test times)             |                                    |
| Warranty: 3 years indoors / 2 years outdoors |                                    |



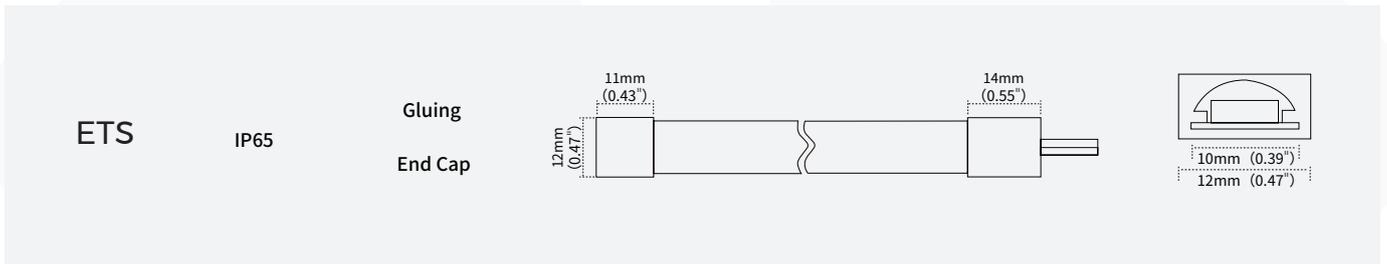
## 【Photo-electric Parameters】

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 10%.
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*1.2mm	2700K/3000K/4000K/6500K	100%
NA		Nano-proof	10mm*1.2mm	2700K/3000K/4000K/6500K	98%
ETS		Extrusion tube	12mm*4.8mm	2700K/3000K/4000K/6500K	88%

## 【Accessories Information】

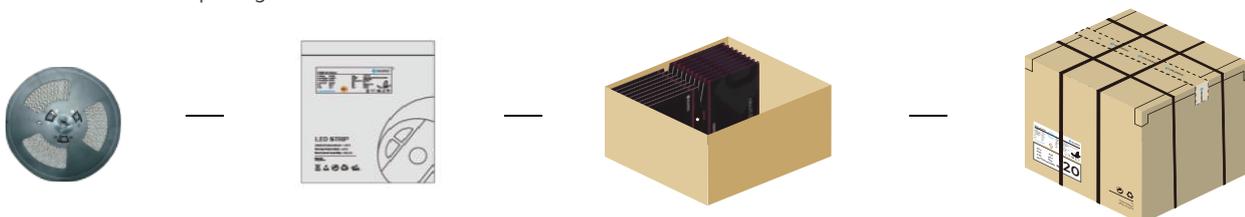
Name	Picture	Code	coding	description
Connector for FPC and FPC		81-01-000002-000038	CBB210-NOTA	10MM-2P solder-free connector (board-to board)\ suitable for bare board 10mm width strip light
Connector for wire and FPC		81-01-000002-000039	CXB210-NOTA	10MM-2P solderless connector(wire to board)\ Compatible with 20&22AWG wire\20#(6A);22#(4A)\ Applicable to bare board 10mm width lamp strip
L-connector for FPC and FPC		81-01-000002-000053	CBBL210-NOTA	10MM-2P solderless (L) connectors (board-to board)\ for bare board 10mm width light strip
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	DPI0ETS-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

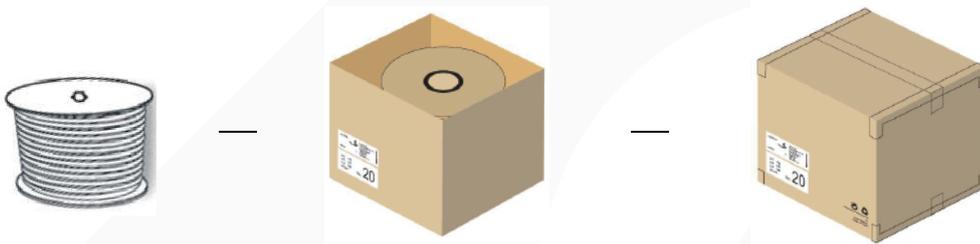


IP Process	Product size(mm)	Product quantity (m/reel)	Product quantity (m/case)	Product net weight(kg)	Net weight per box(kg)	Gross weight(kg)	Package size (mm)
NO	5000*10*1.2	5	270	0.1	5.4	6.21	365*365*190
NA	5000*10*1.2	5	270	0.11	5.94	6.831	365*365*190
ETS	5000*12*4.8	5	270	0.37	14.8	17.02	410*410*260

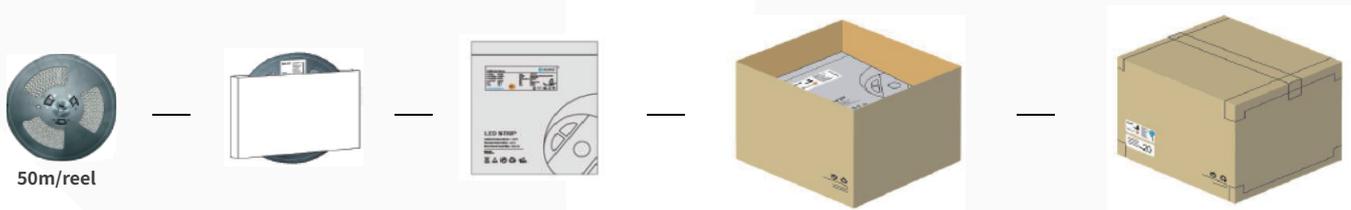
Remark: data with 10% tolerance

· **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).**



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, especially 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°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.