

# Specification

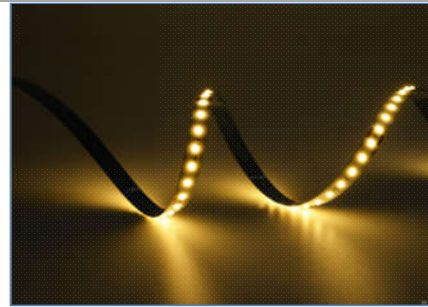
CHIP STRIP  
STAR SERIES

FD192-24V-10MM



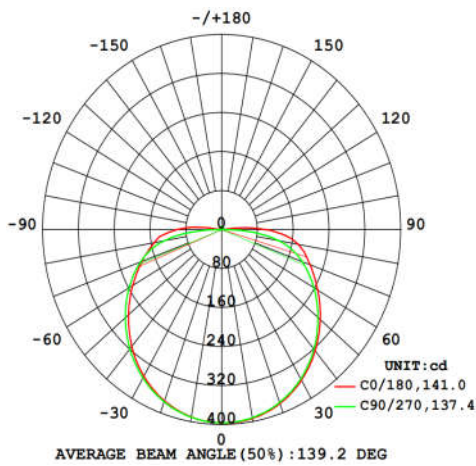
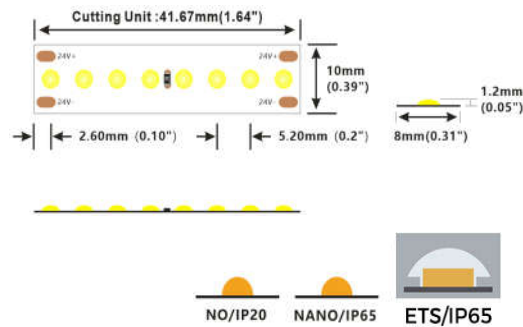
▼General description

- 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



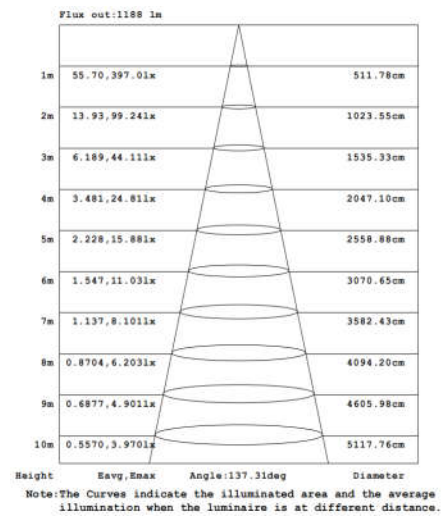
▼Dimension

- ※Max.length: 5000mm
- Cutting unit: 41.67mm
- Min. bend diameter: Φ60mm
- Mounting: adhesive tape
- IP: IP20/IP65
- ※Warranty: 3years



Photometric of 1M (4000K) strip

- ※Max.length data is based on 10% voltage drop
- ※Warranty is based on indoor use



AAI Figure

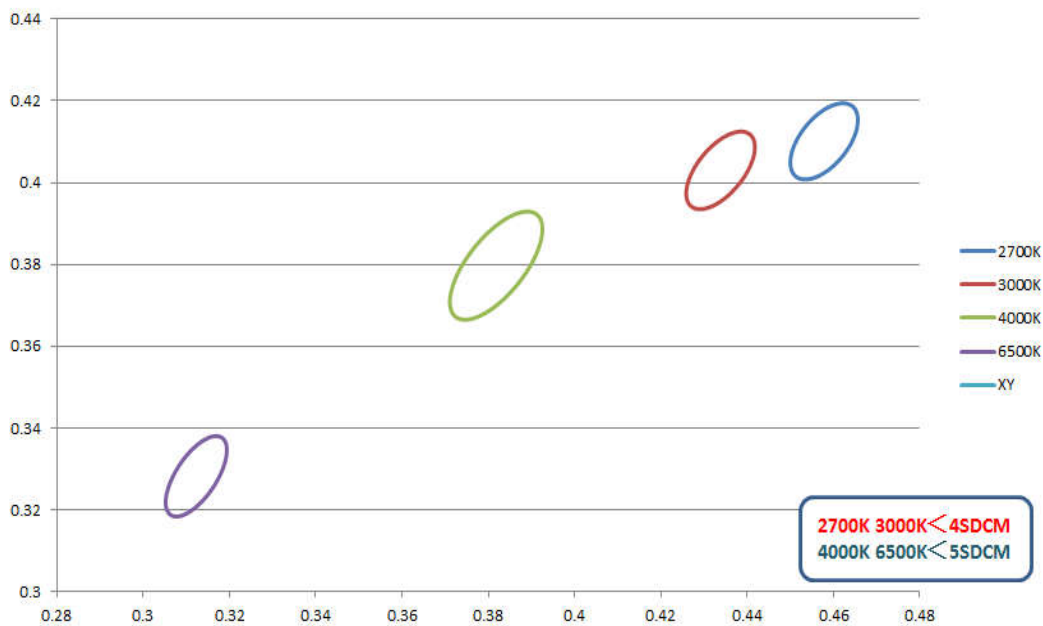
▼ **Electronic & output data**

Input voltage: DC24V	Rated current: 0.54A(1m) /1.88A(5m)
Typical Power: 13W(1m) /45W(5m)	CRI: 80
Max.power: 14.4W	On-off times: 10000 (test times)
Power range: 11.8 ~ 14.4W	




CRI	Color	CCT	Lumen(lm)	lm/W	Energy efficiency class
Ra>80	SW	2700K	1290	99	G
Ra>80	WW	3000K	1310	101	G
Ra>80	NW	4000K	1470	113	G
Ra>80	W	6500K	1520	117	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






▼ **BINNING**



▼IP Process

IP Process	Picture	description	Size	optional CCT/color for finished product	lumen output rate
NO		No proof	10mm*1.2mm	2700K, 3000K 4000K, 6500K	100%
NANO		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	description
Fixed Clip		94-02-00-0003	Silicone clip, screw:PA 3*8mm suitable for 10mm FPC,IP67 waterproof strip
Slim connector		94-03-00-0064	TSC-10-2, suitable for 10mm fpc to fpc connection , IP20, 2pin, 10pcs per bag
FPC with wire		94-03-00-0067	wire connection when using together with TSC-10-2,IP20,2PIN, 10PCS per bag
Hole plug		94-03-00-0070	Silicone end cap without hole,suitable for 10mm PFC, IP65 IP67 waterproof LED strip
Stopper glue		94-16-03010001	Silicone gel,suitable for IP65 and IP67 LED strip

▼Order Code Formats

1: Category	2: LED	3: LM/m	4: Voltage	5:FPC Width	6: IP Process	7: CRI	8: CCT
F Chip strip	D Point light	##	24 24V	10 10mm	NO NO NA NANO ETS Extrusion tube	8 >80	SW 2700K WW 3000K NW 4000K W 6500K
F Chip strip	D	192	24	10	NO	8	SW
9: Silk Printing	10: Entry cable	11: Wire type	12: Wire length	13: Tape type	14: Label Type	15: Strip Length	
N Neutral	S Single D Double X Nothing	A grey cable X Nothing	012 12cm 0 Nothing	B Blue tape X Nothing R Red tape	C COLORS	0500 5000	5m 50m
N	S	A	012	B	C	0500	

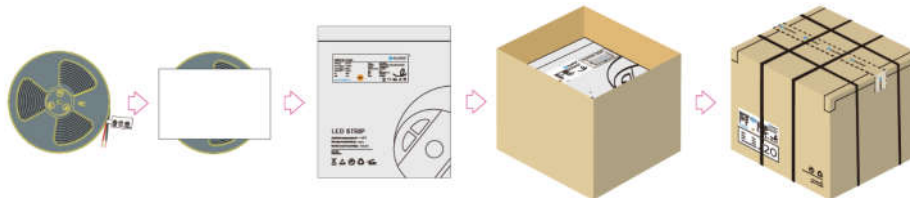
FD1922410NO-8SWNSA012BC0500

## ▼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	200	0.37	14.8	17.02	410*410*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).