Specification

CHIP STRIP
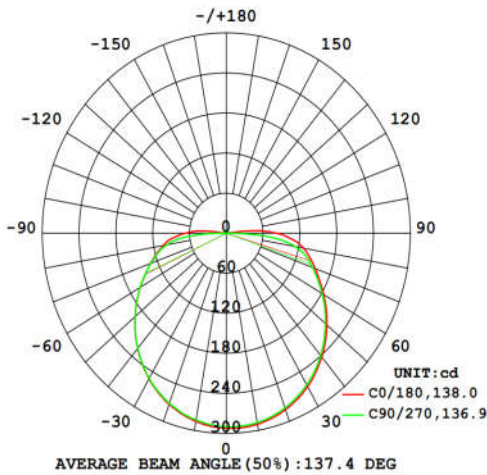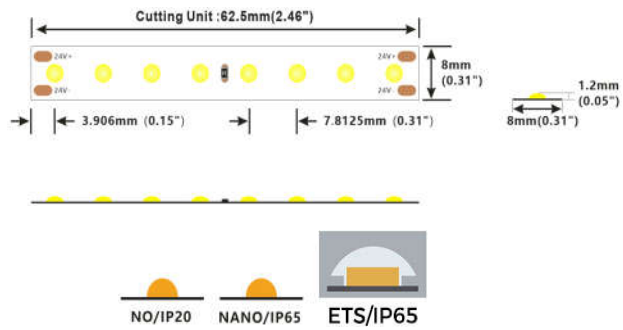### STAR SERIES

FD128-24V-8MM

CE RoHS   ISO 9001 SGS

▼General description

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

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

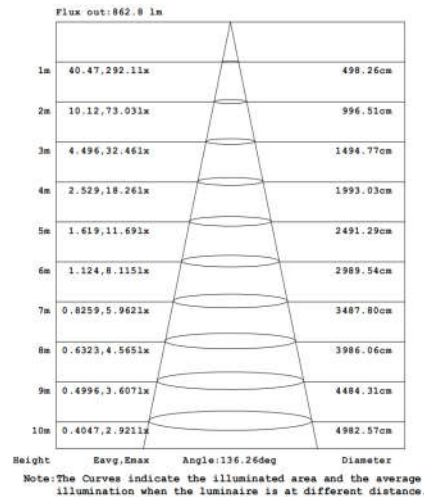●CRI>80,120LM/W

● 4 optional 2700K\3000K\4000K\6500K white lights
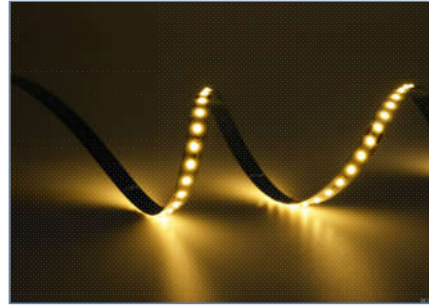
▼Dimension

※Max.length： 5000mm

Cutting unit： 62.5mm

Min. bend diameter：Φ60mm

Mounting： adhesive tape

IP： IP20/IP65

※Warranty： 3years

Cutting Unit :62.5mm(2.46")

8mm (0.31")

3.906mm (0.15")   7.8125mm (0.31")

1.2mm (0.05")

8mm(0.31")

NO/IP20   NANO/IP65   ETS/IP65

Photometric of 1M (4000K) strip

AVERAGE BEAM ANGLE(50%):137.4 DEG

UNIT:cd
C0/180,138.0
C90/270,136.9

AAI Figure

Flux out:862.0 lm

Height	Eavg,Emax		Diameter
1m	40.47,292.11x		498.26cm
2m	10.12,73.031x		996.51cm
3m	4.496,32.461x		1494.77cm
4m	2.529,18.261x		1993.03cm
5m	1.619,11.691x		2491.29cm
6m	1.124,8.1151x		2989.54cm
7m	0.8259,5.9621x		3487.80cm
8m	0.6323,4.5651x		3986.06cm
9m	0.4996,3.6071x		4484.31cm
10m	0.4047,2.9211x		4982.57cm

Angle:136.26deg

Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

※Max.length data is based on 10% voltage drop

※Warranty is based on indoor use

▼Electronic & output data

Input voltage：DC24V		Rated current：0.37A(1m) /1.32A(5m)	
Typical Power：8.8W(1m) /31.7W(5m)		CRI：80	
Max.power：9.6W		On-off times：10000（test times)	
Power range：8～9.6W			

CRI	Color	CCT	Lumen(lm)	lm/W	Energy efficiency class
Ra>80	SW	2700K	940	107	G
Ra>80	WW	3000K	980	111	G
Ra>80	NW	4000K	1040	118	G
Ra>80	W	6500K	1080	123	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
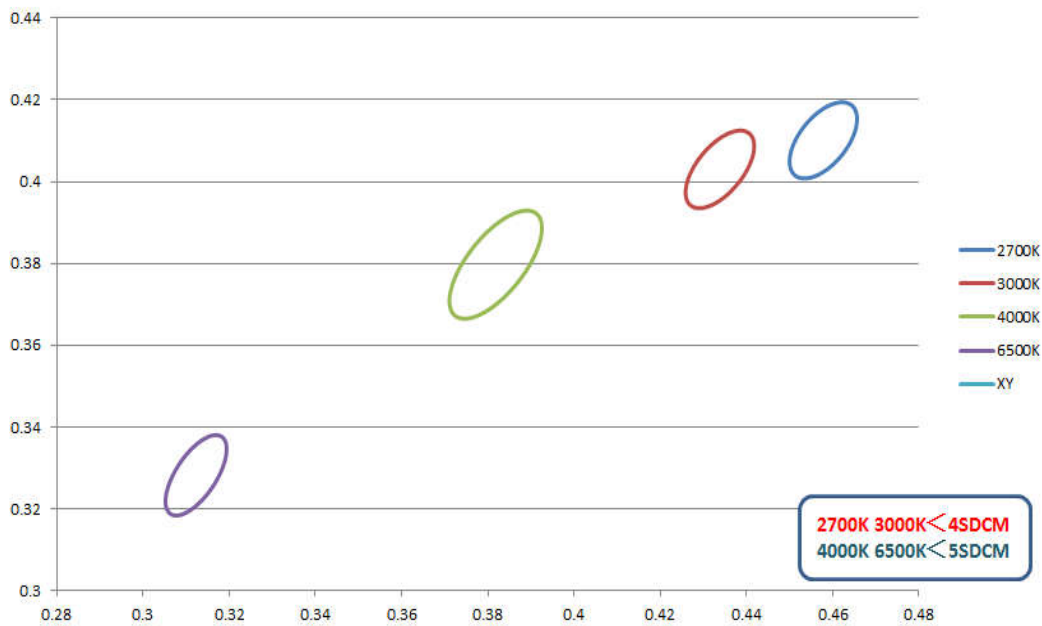
▼IP Process

IP Process	Picture	description	Size	optional CCT/color for finished product	lumen output rate
NO	NO/IP20	No proof	8mm*1.2mm	2700K，3000K 4000K，6500K	100%
NANO	NANO/IP65	NANo-proof	8mm*1.2mm	2700K，3000K 4000K，6500K	98%
ETS	ETS/IP65	Extrusion tube	10mm*4.8mm	2700K，3000K 4000K，6500K	88%

▼Accessories Information

Name	Picture	Code	description
Fixed Clip		94-02-00-0002	Silicone clip， screw:PA 3*8mm suitable for 8mm FPC,IP67 waterproof strip
Slim connector		94-03-00-0065	TSC-08-2, suitable for 8mm fpc to fpc connection , IP20, 2pin, 10pcs per bag
FPC with wire		94-03-00-0066	wire connection when using together with TSC-08-2,IP20,2PIN, 10PCS per bag
Hole plug		94-03-00-0069	Silicone end cap without hole,suitable for 8mm 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	##	128led/m	24	24V	08	8mm	NO	NO	8	>80	SW	2700K
										NA	NANO			WW	3000K
										ETS	Extrusion tube			NW	4000K
														W	6500K
F	Chip strip	D		128		24		08		NO		8		SW	

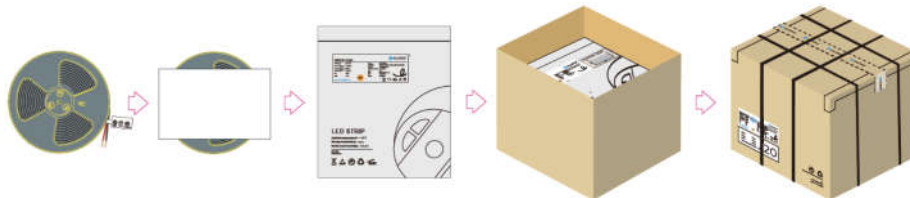| 9：Silk Printing		10：Entery cable		11：Wire type		12：Wire length		13：Tape type		14：Label Type		15：Strip Length	
N	Neutral	S	Single	A	grey cable	012	12cm	B	Blue tape	C	COLORS	0500	5m
		D	Double	X	Nothing	0	Nothing	X	Nothing			5000	50m
		X	Nothing					R	Red tape				
N		S		A		012		B		C		0500	

FD1282408NO-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*8*1.2	5	270	0.09	4.86	5.589	365*365*190
NA	5000*8*1.2	5	270	0.1	5.4	6.21	365*365*190
ETS	5000*10*4.8	5	200	0.38	15.2	17.48	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, 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).