COF Series | Specification

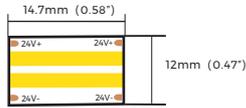# DF20
24V-12mm

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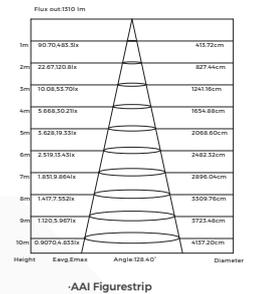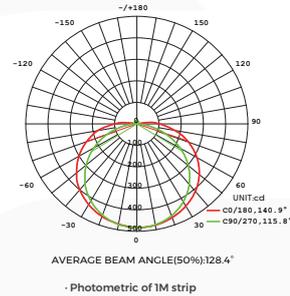UL c us E498657   UK CA   CE   RoHS   Reach ✔

【General description】

· Light line and dot-free with big emitting angle
· CRI>90,2660LM/M
· Easy to install and maintain
· Double row light belt, can be used with profiles
· With life span over 60000H
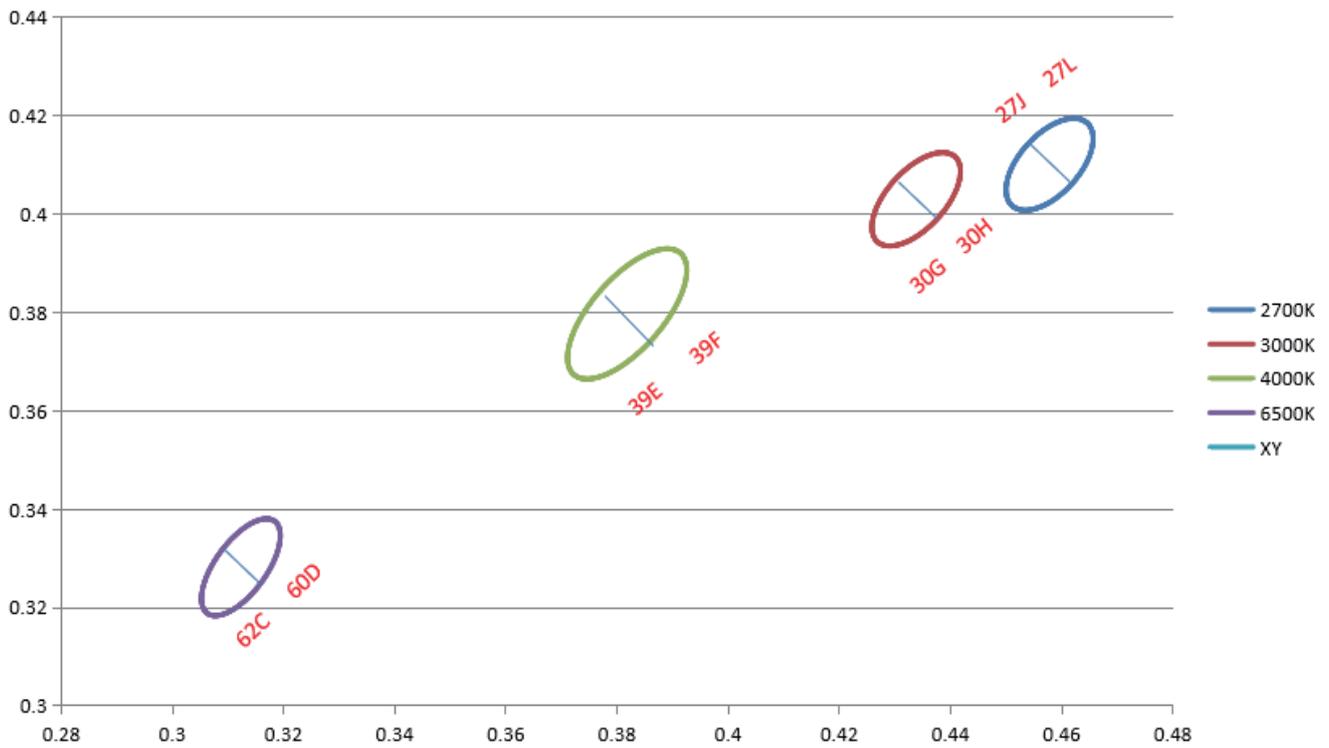· Ta: -25~40°C；Tc：75°C(max)
· UL/UACK/CE/ROHS/REACH certification

14.7mm（0.58"）
24V+ 24V+
24V- 24V-
12mm（0.47"）
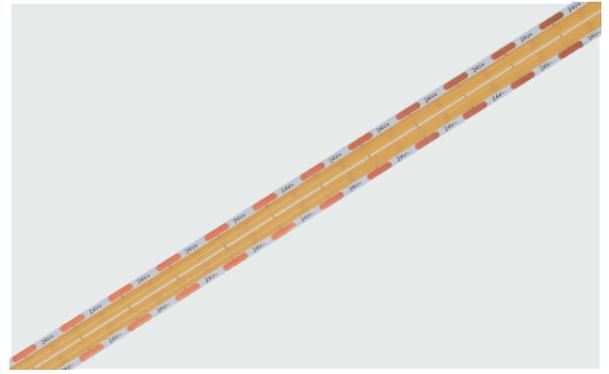
【Dimension】

Input voltage：DC24V
CRI：90
Max.power: 22W(1m)
Power range: 18～22W(1m)
Rated current：0.83A(1m)
Typical Power：20W(1m)
tape IP：IP20
On-off times: 10000（test times）
Warranty： 7 years indoor / 5 years outdoor

Max.length：5000mm(16.4')
Cutting unit：14.7mm(0.58")
LEDs/m：1088
Min. bend diameter：Φ60mm(2.36")
Mounting：3M tape
Copper foil: 3oz

AVERAGE BEAM ANGLE(50%):128.4°
· Photometric of 1M strip

·AAI Figurestrip

【Photo-electric Parameters】

CRI	Color	CCT	Lumen(lm/m)	Lumen(lm/ft)	lm/W	ErP 2019
Ra>90	SW	2700K	2340	713	117	F
Ra>90	WW	3000K	2420	738	121	E
Ra>90	PW	3500K	2460	750	123	E
Ra>90	NW	4000K	2660	811	133	E
Ra>90	W	6500K	2480	756	124	E

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.

Chart axes:
- Y-axis: 0.44, 0.42, 0.4, 0.38, 0.36, 0.34, 0.32, 0.3
- X-axis: 0.28, 0.3, 0.32, 0.34, 0.36, 0.38, 0.4, 0.42, 0.44, 0.46, 0.48

Legend:
- 2700K
- 3000K
- 4000K
- 6500K
- XY

Data labels: 27J, 27L, 30G, 30H, 39E, 39F, 62C, 60D

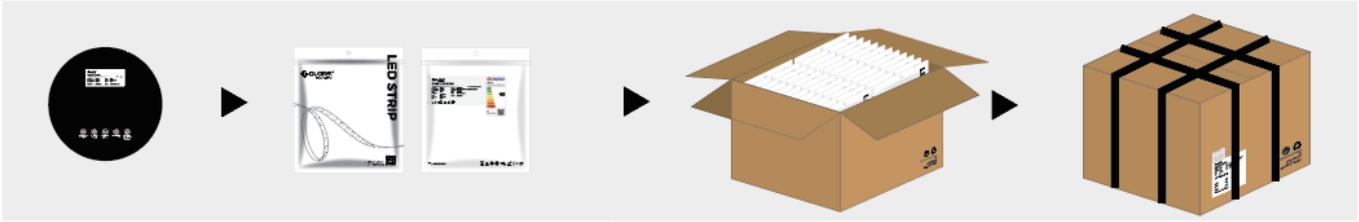## 【Electronic & output data】

IP Process	Picture	Picture description	Size	optional CCT/color for finished product	lumen output rate
NO	NO/IP20	No proof	12mm*1.6mm	2700K/3000K/3500K/4000K/6500K	100%

【Packing】

Colors brand package

General customized package
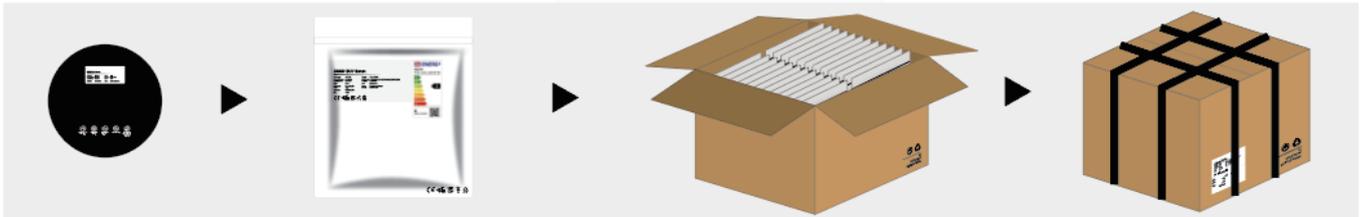
IP Process	Product size(mm)	Product quantity (m/reel)	Product quantity (m/case)	Product net weight(kg)	Net weight per box(kg)	Gross weight(kg)	Package size (cm)
NO	5000*12*1.6	5	300	0.17	10.2	11.2	41*41*26

Remark：data with 10% tolerance

· Engineering packaging of NO(IP20).

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*8*1.5	50	650	1.7	22.1	23.1	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℃~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.