COLORS
Linear Lighting

COF Series | Specification

DF15

24V-8mm

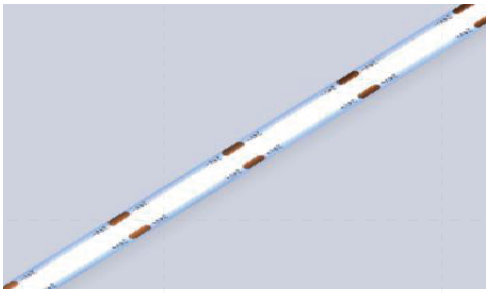
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E-mail:colors@colorsled.com

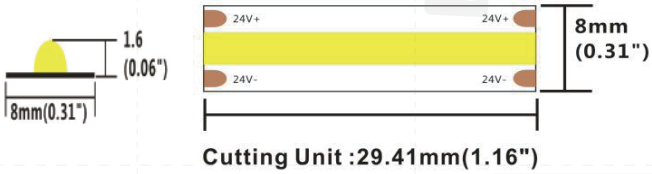
Version：A/02

www.colorsled.com

【General description】



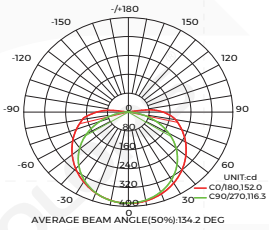
· Light line and dot-free with big emitting angle
· CRI>90,100LM/W,1500LM/M
· Easy installation and maintaining
· 4 optional 2700K/3000K/4000K/6500K
· Life longer than 84000H, Ta: -25~40°C; Tc: 75°C (max)
· UL/UACK/CE/ROHS/REACH certification



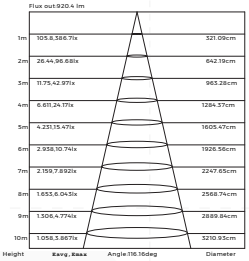
【Dimension】

Input voltage: DC24V
CRI: 90
Max.power: 16.8W(1m)
Power range: 13.2～16.8W(1m)
Rated current: 0.63A(1m) 2.07A(5m)
Typical Power: 15W(1m) 49.7W(5m)
tape IP: IP20/IP65/IP67
On-off times: 10000（test times）
Warranty: 7 years indoors / 5 years outdoors

Max.length: 5000mm(16.4')
Cutting unit: 29.41mm(1.16")
LED pitch: /
Min. bend diameter: Φ60mm(2.36")
Mounting: 3M tape
Copper foil: 2oz



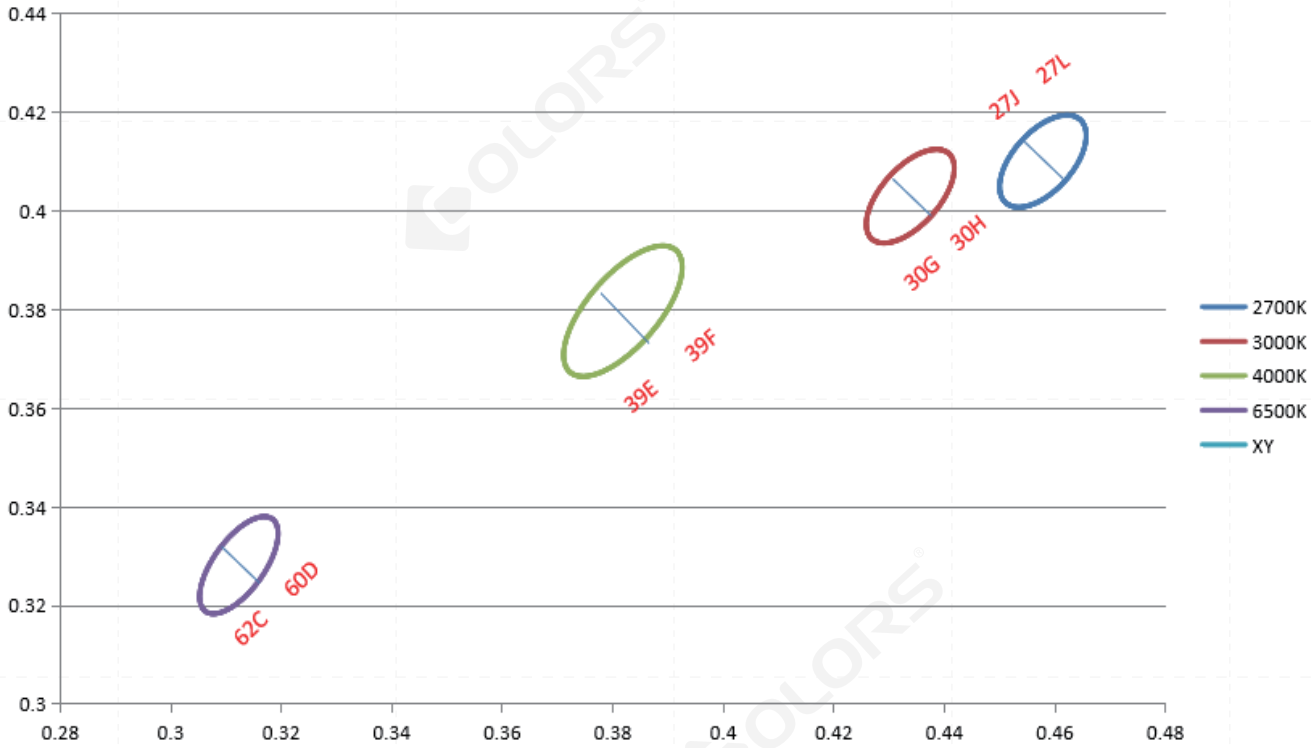
· Photometric of 1M strip


· AAI Figurestrip

【Photo-electric Parameters】

CRI	Color	CCT	Lumen(lm/m)	Lumen(lm/ft)	lm/W	ErP 2019
Ra>90	SW	2700K	1230	375	82	/
Ra>90	WW	3000K	1350	411	90	/
Ra>90	NW	4000K	1470	448	98	F
Ra>90	W	6500K	1500	457	100	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.



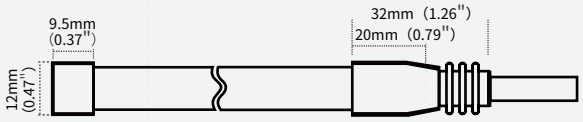
【IP process information】

ET

IP65

Gluing

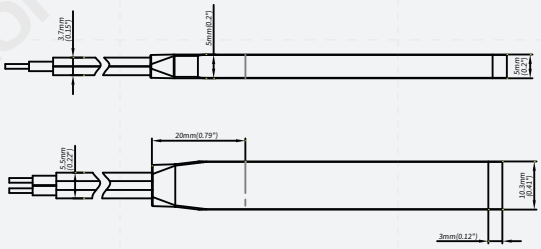
End Cap

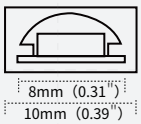


IP67

Molded

End Cap



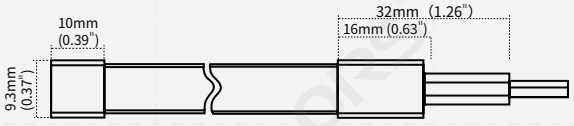


EG/EGR

IP65

Gluing

End Cap

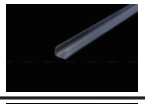




【Electronic & output data】

IP Process	Picture	Picture description	Size	optional CCT/color for finished product	lumen output rate
NO		No proof	8mm*1.6mm	2700K/3000K/4000K/6500K	100%
NA		Nano-proof	8mm*1.6mm	2700K/3000K/4000K/6500K	98%
ET		Extrusion tube	10mm*4.8mm	2700K/3000K/4000K/6500K	88%
EGR		Milky white all-inclusive hollow arc extrusion	9.3mm*3.8mm	2700K/5000K/R/G/B	80%

【Accessories Information】

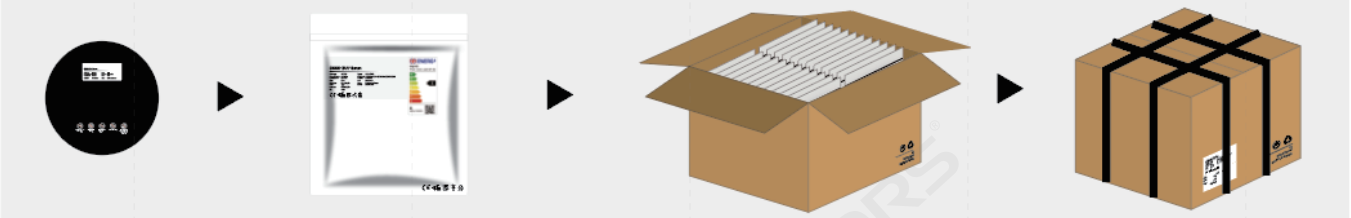
Name	Picture	Code	coding	description
Connector for FPC and FPC		81-01-000002-000034	CBB208-NOTA	8MM-2P solder-free connector (board-to board)\ suitable for bare board 8mm width strip light
Connector for wire and FPC		81-01-000002-000035	CXB208-NOTA	8MM-2P solderless connector(wire to board)\ Compatible with 20&22AWG wire\20#(6A);22#(4A)\ Applicable to bare board 8mm width lamp strip
L-connector for FPC and FPC		81-01-000002-000052	CBBL208-NOTA	8MM-2P solderless (L) connectors (board-to board)\ for bare board 8mm width light strip
Fixed Clip		94-02-00-0002	FSW08SA	Silicone clip, screw: PA 3*8mm, suitable for 8mm FPC,EF/ET strip
Gas phase rubber plug		94-02-00-0038	DT08EG-A	Translucent gas phase adhesive plug, suitable for 8mm wide silicone extrusion eg lamp with
Gas phase gel plugging		94-02-00-0039	DW08EG-A	Translucent gas phase adhesive plug, suitable for 8mm wide silicone extrusion eg lamp with end plug
Silicone Plug Kit		94-02-00-0044	DT08EA-A	Silicone plug kit, suitable for 8mm board width, ET/EF series silicone extrusion light strip
Silicone stopper kit		94-02-00-0045	DW08EA-A	Silicone tail plug kit, suitable for 8mm board width, ET/EF series silicone extrusion light strip
Mounting groove		94-02-00-0024	CVT08EA-12100100	Transparent PVC mounting groove,suitable for 8mm 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		94-03-00-0027	PT208-ETWA	Monochromatic light strip, 8mm board width, ETS protection technology
ET press-fit terminals		94-03-00-0028	CBX208-ETWA020	Monochromatic light strip, 8mm board width, ETS protection technology
ET press-fit terminal kit		94-03-00-0029	STBX208-ETWA020	Monochromatic light strip, 8mm board width, ETS 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 (cm)
NO	5000*8*1.6	5	300	0.12	7.2	8.28	41*41*26
NA	5000*8*1.6	5	300	0.13	7.8	8.97	41*41*26
ET	5000*10*4.8	5	200	0.4	16	18.4	41*41*26
EGR	5000*9.3*3.8	5	200	0.19	7.6	8.74	41*41*26

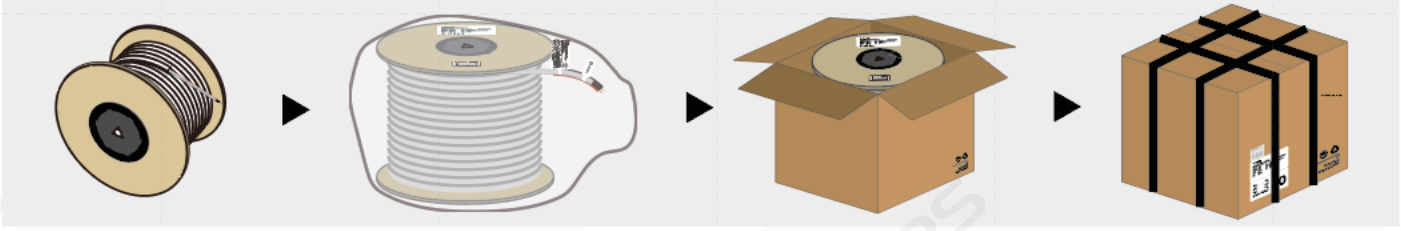
Remark：data with 10% tolerance

· Engineering packaging of NO(IP20).



· Engineering packaging of ET(IP67)

(free-soldering end caps with 40 cover per box could be ordered separately if needed)



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	13	14.95	41*41*26
ET	50000*10*4.8	50	100	4.5	9	10.35	25.5*25.5*26
EGR	50000*9.3*3.8	50	100	1.9	3.8	4.37	25.5*25.5*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.