PRO Series Specification

DF10
24V-8mm

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UL E498657 CE RoHS ISO 9001
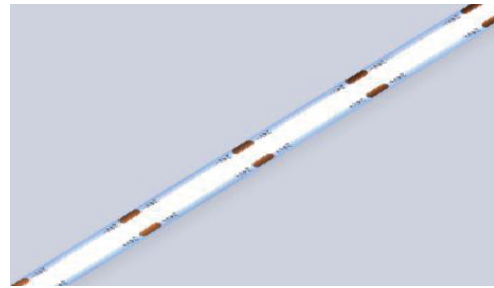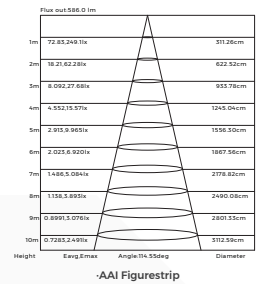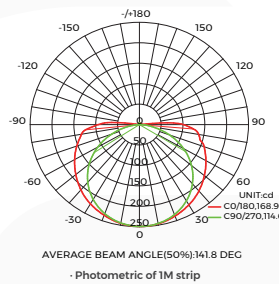
【General description】

· Light line and dot-free with big emitting angle
· CRI>90,100LM/W,1000LM/M
· Easy installation and maintaining
· 7 optional 2700K/3000K/4000K/6500K/R/G/B
· Ta: -25~40℃; Tc: 75℃（max）

1.6
(0.06")

8mm(0.31")

24V+ | 24V+
24V- | 24V-

8mm
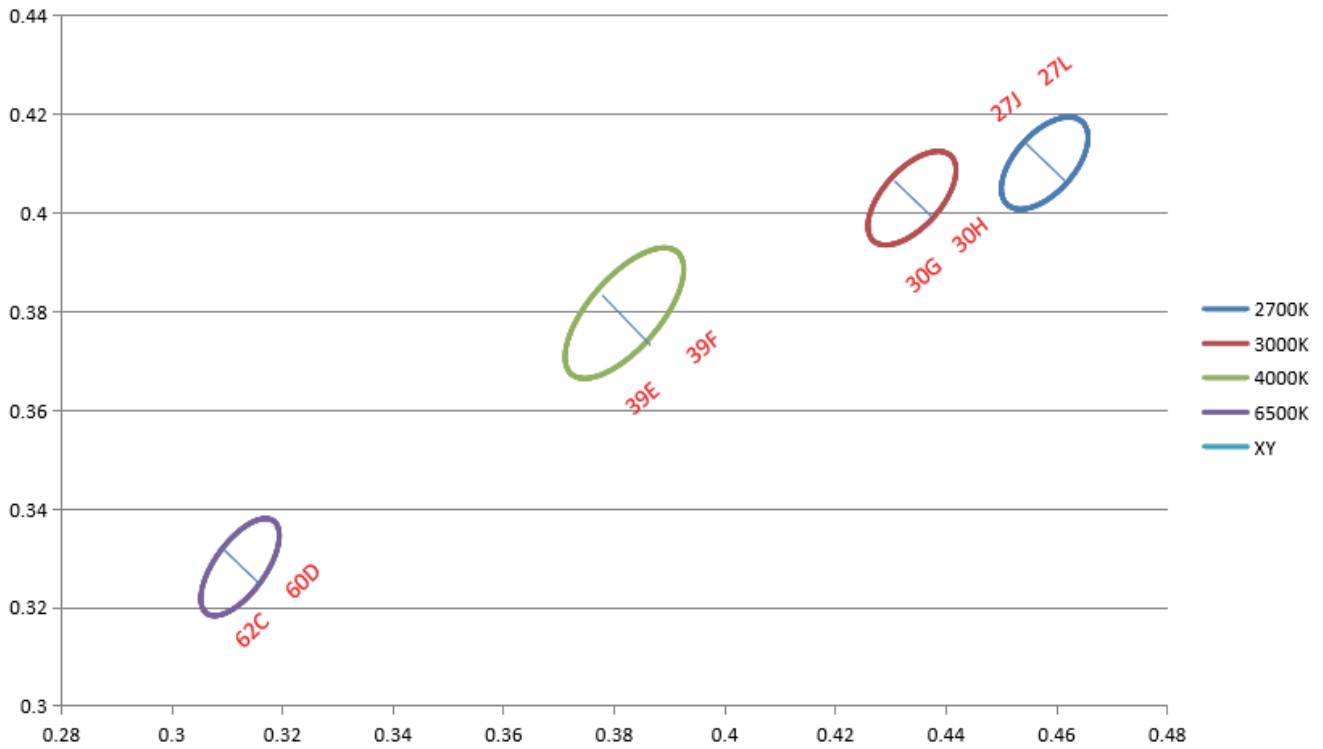(0.31")

Cutting Unit :29.41mm(1.16")
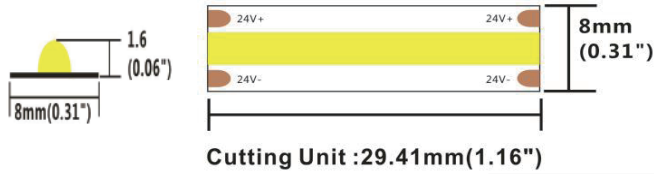
【Dimension】

Input voltage：DC24V

CRI：90

Max.power：11.2W(1m)

Power range: 8.8～11.2W(1m)

Rated current：0.42A(1m) 1.8A(5m)

Typical Power：10W(1m) 43.2W(5m)

tape IP：IP20/IP65/IP67

On-off times: 10000（test times）

Warranty： 5years

(Warranty is based on indoor use)

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

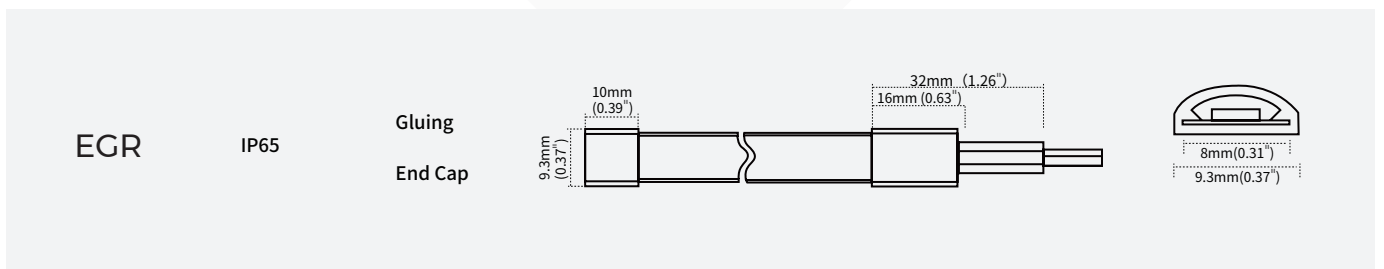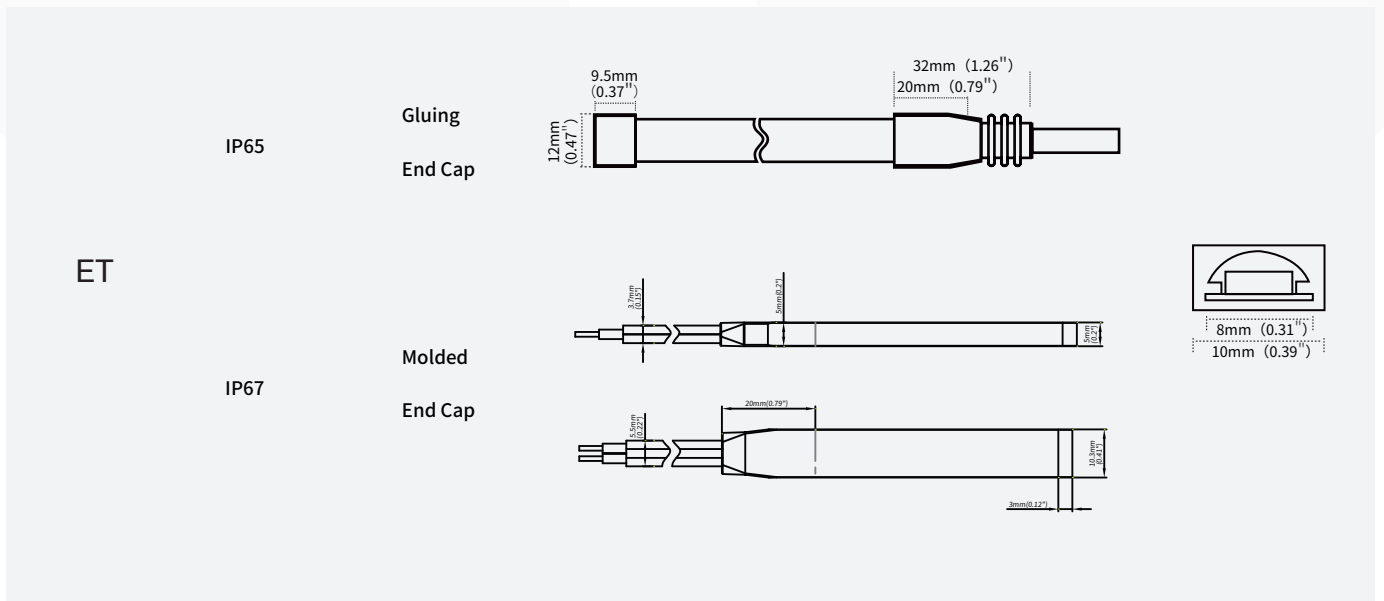AVERAGE BEAM ANGLE(50%):141.8 DEG
· Photometric of 1M strip

UNIT:cd
C0/180,168.9
C90/270,114.6

·AAI Figurestrip

【Photo-electric Parameters】

CRI	Color	CCT	Lumen(lm/m)	Lumen(lm/ft)	lm/W	ErP 2019
Ra>90	SW	2700K	820	250	82	/
Ra>90	WW	3000K	900	274	90	/
Ra>90	NW	4000K	980	298	98	F
Ra>90	W	6500K	1000	304	100	F
/	R	620-630nm	65	19	7	/
/	G	515-520nm	1190	362	126	/
/	B	465-470nm	85	25	8	/

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.

Chart axis labels:
- 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

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

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

【IP process information】

ET

| IP65 | Gluing End Cap |
| IP67 | Molded End Cap |

9.5mm (0.37")
12mm (0.47")
32mm (1.26")
20mm (0.79")

3.7mm (0.15")
5mm (0.2")
5mm (0.2")

8mm (0.31")
10mm (0.39")

5.5mm (0.22")
20mm(0.79")
10.3mm (0.41")
3mm(0.12")

EGR

| IP65 | Gluing End Cap |

10mm (0.39")
9.3mm (0.37")
32mm (1.26")
16mm (0.63")

8mm(0.31")
9.3mm(0.37")

【Electronic & output data】

IP Process	Picture	Picture description	Size	optional CCT/color for finished product	lumen output rate
NO	NO/IP20	No proof	8mm*1.6mm	2700K/3000K/4000K/6500K	100%
NA	NANO/IP65	Nano-proof	8mm*1.6mm	2700K/3000K/4000K/6500K	98%
ET	ET/IP67	Extrusion tube	10mm*4.8mm	2700K/3000K/4000K/6500K	88%
EGR	EC/IP65	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
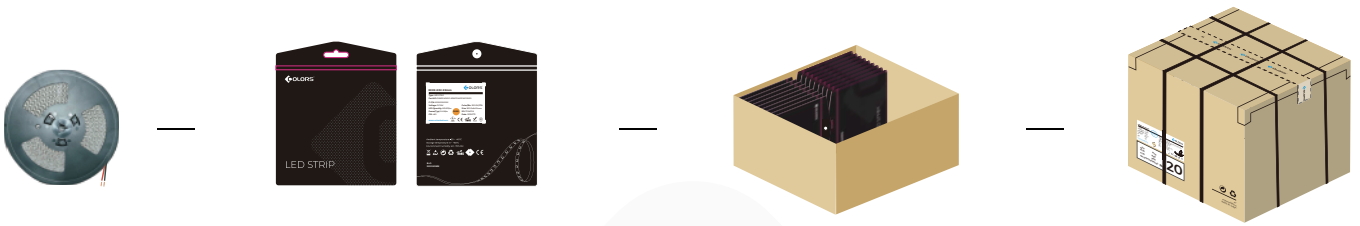
General customized package
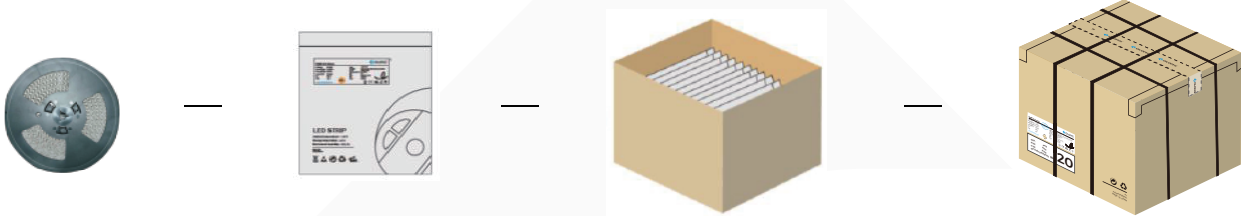
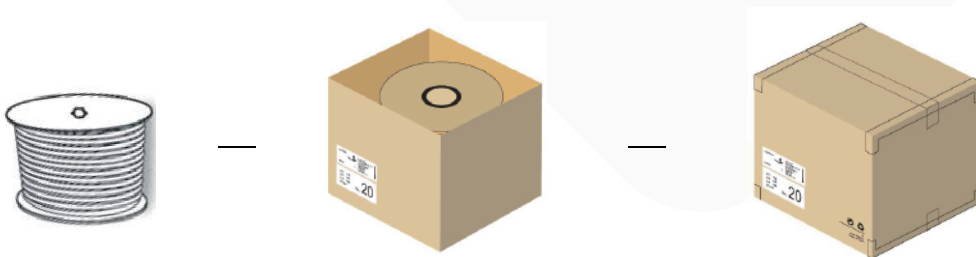| IP Process	Product size(mm)	Product quantity (m/reel)	Product quantity (m/case)	Product net weight(kg)	Net weight per box(kg)	Gross weight(kg)	Package size (cm)
NO	5000*8*1.6	5	300	0.12	7.2	8.28	41*41*26
NA	5000*8*1.6	5	300	0.13	7.8	8.97	41*41*26
ET	5000*10*4.8	5	200	0.4	16	18.4	41*41*26
EGR	5000*9.3*3.8	5	200	0.19	7.6	8.74	41*41*26

Remark：data with 10% tolerance

· Engineering packaging of NO(IP20).

50m/reel
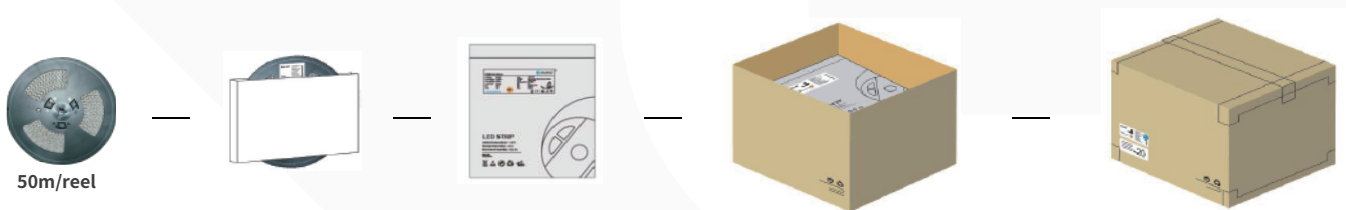
· Engineering packaging of ET(IP67)

(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.