COLORS®
Linear Lighting

PRO Series | Specification

DF4RGB
24V-10mm

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UL E498657   CE   RoHS   ISO 9001
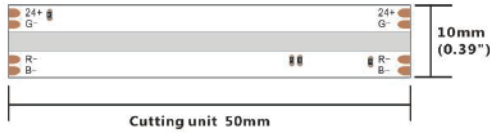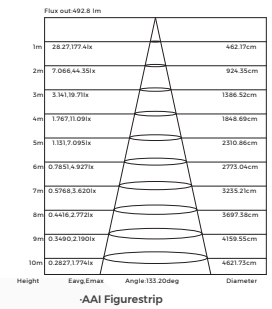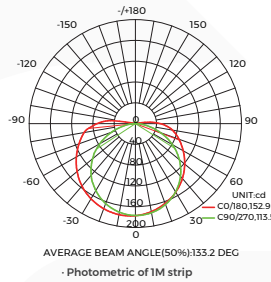
【General description】

· Super-dense LED distribution of 840 LED/m and ultraslim thickness of 1.6mm, matching profiles better
· With life span over 36000H
· Ta: -25-40℃；Tc：75℃(max)

Cutting unit 50mm

【Dimension】

Input voltage：DC24V	Max.length： 5000mm(16.4')
CRI：/	Cutting unit： 50mm(1.97")
Max.power：16.8W(1m)	LED pitch：/
Power range: 13.2～16.8W(1m)	Min. bend diameter： Φ60mm(2.36")
Rated current：0.63A(1m) 2.6A(5m)	Mounting： 3M tape
Typical Power：15W(1m) 62.4W(5m)	Copper foil: 2oz
tape IP： IP20/IP65	
On-off times: 10000（test times）	
Warranty： 3years	

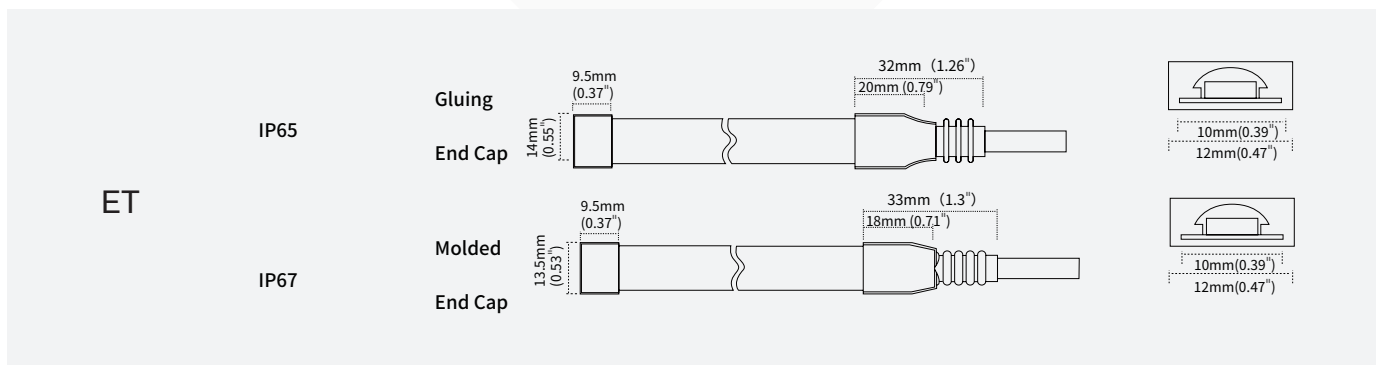AVERAGE BEAM ANGLE(50%):133.2 DEG
· Photometric of 1M strip

·AAI Figurestrip

【Photo-electric Parameters】

CRI	Color	CCT	Lumen(lm/m)	Lumen(lm/ft)	lm/W	ErP 2019
/	RGB	/	720	219	48	/
/	R	R:620-625nm	125	38	25	/
/	G	G:520-525nm	495	150	99	/
/	B	B:455-460nm	70	21	14	/

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.

【IP process information】

ET

IP65 — Gluing End Cap
9.5mm (0.37")
14mm (0.55")
32mm (1.26")
20mm (0.79")
10mm(0.39")
12mm(0.47")

IP67 — Molded End Cap
9.5mm (0.37")
13.5mm (0.53")
33mm (1.3")
18mm (0.71")
10mm(0.39")
12mm(0.47")

## 【Electronic & output data】

IP Process	Picture	Picture description	Size	optional CCT/color for finished product	lumen output rate
NO	NO/IP20	No proof	10mm*1.6mm	RGB	100%
NANO	NANO/IP65	Nano-proof	10mm*1.6mm	RGB	98%
ET	ET/IP67	Extrusion tube	12mm*4.8mm	RGB	88%

【Accessories Information】

Name	Picture	Code	coding	description
Fixed Clip		94-02-00-0003	FSW10SA	Silicone clip, screw: PA 3*8mm, suitable for 10mm FPC,EF/ET strip
Silicone Plug Kit		94-02-00-0046	DT10EA-A	Silicone plug kit is suitable for 10mm board width, ET/EF series silicone extrusion light strip
Silicone stopper kit		94-02-00-0047	DW10EA-A	Silicone tail plug kit is suitable for 10mm board width, ET/EF series silicone extrusion light strip
Mounting groove		94-02-00-0025	CVT10EA-14100100	Transparent PVC mounting groove,suitable for 10mm FPC,silicone extruded EF/ET strip
Stopper glue		94-16-03010001	AS-PG-0003	Silicone gel,suitable for ET/EF/EG waterproof LED strip

【Packing】

Colors brand package
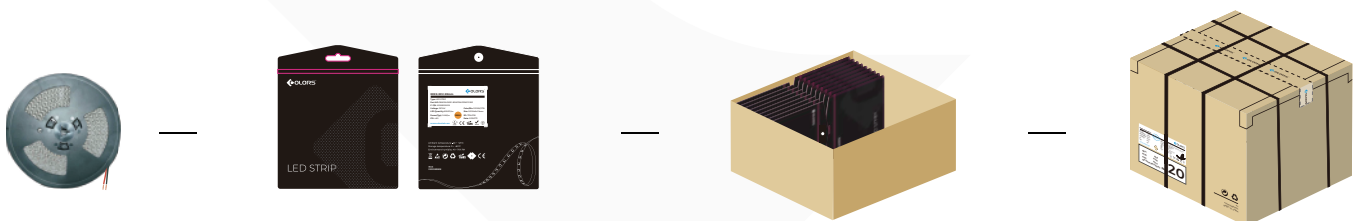
General customized package

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*10*1.6	5	300	0.12	7.2	8.28	41*41*26
NA	5000*10*1.6	5	300	0.13	7.8	8.97	41*41*26
ET	5000*12*4.8	5	200	0.4	1.6	18.4	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.