CSP DOT Series Specification
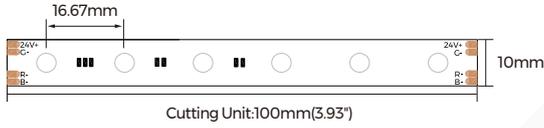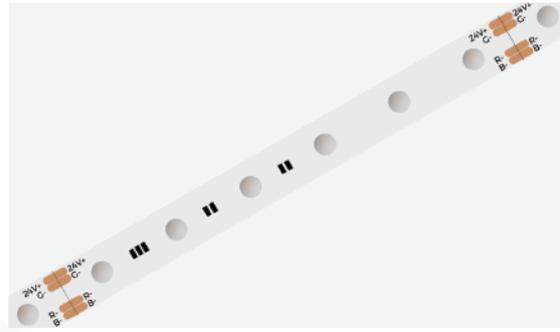
PD60RGB
24V-10mm

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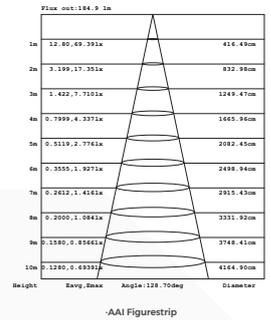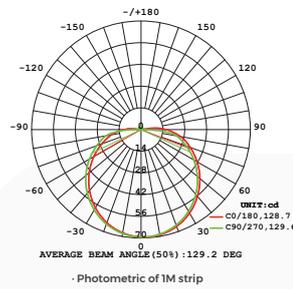UL E498657 | UKCA | CE | RoHS | Reach

【General description】

· Max.180° beam angle light-emitting
· Free connecting by soldering-free connectors
· Replacement for SMD RGB strips
· Ta: -40~60°C; Tc: 75°C (max)
· UL/UACK/CE/ROHS/REACH certification

16.67mm

10mm

Cutting Unit:100mm(3.93")

【Dimension】

Input voltage：DC24V
CRI：/
Max.power：10.6W(1m)
Power range: 8.6～10.6W(1m)
Rated current：0.4A(1m)
Typical Power：9.6W(1m)
IP：IP20/IP65/IP67
On-off times: 10000（test times）
Warranty：5 years indoors / 5 years outdoors

Max.length：5000mm(16.4')
Cutting unit：100mm(3.93")
LED pitch：/
Min. bend diameter：Φ60mm(2.36")
Mounting：3M tape
Copper foil: 2oz

AVERAGE BEAM ANGLE (50%) :129.2 DEG
· Photometric of 1M strip

Flux out:184.9 lm

Height	Eavg,Emax	Angle:128.70deg	Diameter
1m	12.80,69.391lx		416.49cm
2m	3.199,17.351lx		832.98cm
3m	1.422,7.7101lx		1249.47cm
4m	0.7999,4.3371lx		1665.96cm
5m	0.5119,2.7761lx		2082.45cm
6m	0.3555,1.9271lx		2498.94cm
7m	0.2612,1.4161lx		2915.43cm
8m	0.2000,1.0841lx		3331.92cm
9m	0.1580,0.85661lx		3748.41cm
10m	0.1280,0.69391lx		4164.90cm

-AAI Figurestrip

【Photo-electric Parameters】

CRI	Color	CCT	Lumen(lm/m)	Lumen(lm/ft)	lm/W	ErP 2019
/	R	620-630nm	64	19	20	/
/	G	520-530nm	179	54	56	/
/	B	450-460nm	58	17	18	/
/	RGB	RGB	300	91	31	/

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

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")

EF

IP65 — Gluing End Cap

9.5mm (0.37") · 14mm (0.55") · 32mm (1.26") · 20mm (0.79")

IP67 — Molded End Cap

3.7mm (0.15") · 5.1mm (0.2") · 5.1mm (0.2") · 10mm(0.39") · 14mm(0.55")

5.5mm (0.33") · 20mm(0.79") · 12.3mm (0.48") · 3mm (0.12")
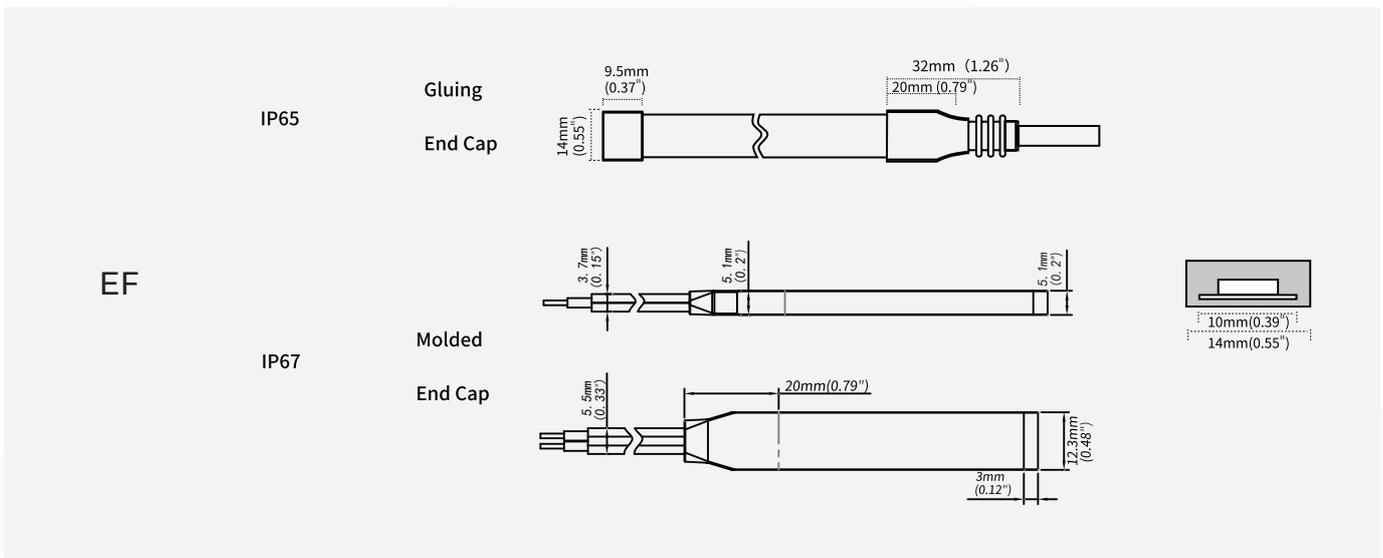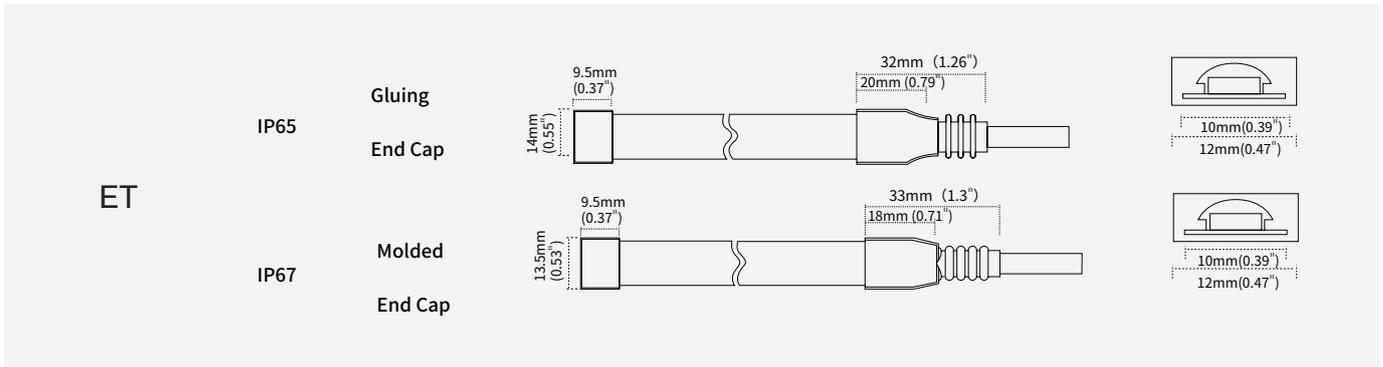
【Electronic & output data】

IP Process	Picture	Picture description	Size	optional CCT/color for finished product	lumen output rate
NO	NO/IP20	No proof	10mm*1.7mm	RGB	100%
NA	NANO/IP65	Nano-proof	10mm*1.8mm	RGB	98%
ET	ET/IP67	Extrusion tube	12mm*4.8mm	RGB	88%
ES	ET/IP67	Extrusion tube	12mm*4.8mm	RGB	88%
EF	EF/IP67	Extrusion filling	14mm*4.8mm	RGB	86%

【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
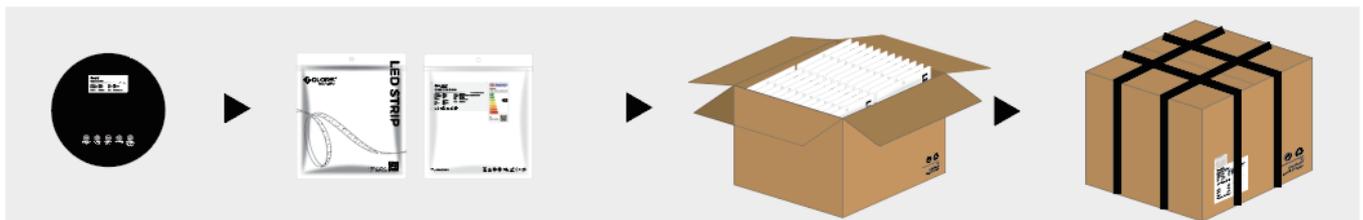
General customized package
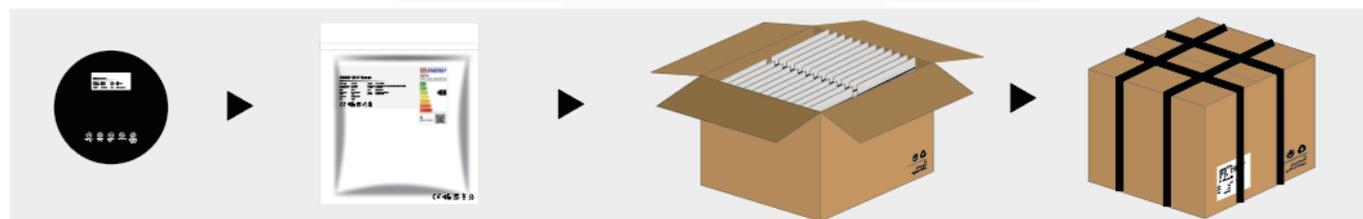
IP Process	Product size(mm)	Product quantity (m/reel)	Product quantity (m/case)	Product net weight(kg)	Net weight per box(kg)	Gross weight(kg)	Package size (cm)
NO	5000*10*1.7	5	270	0.12	6.48	7.56	41*41*26
NA	5000*10*1.8	5	270	0.13	7.02	8.1	41*41*26
ET	5000*12*4.8	5	200	0.4	16	17.08	41*41*26

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.