

CSP DOT Series Specification

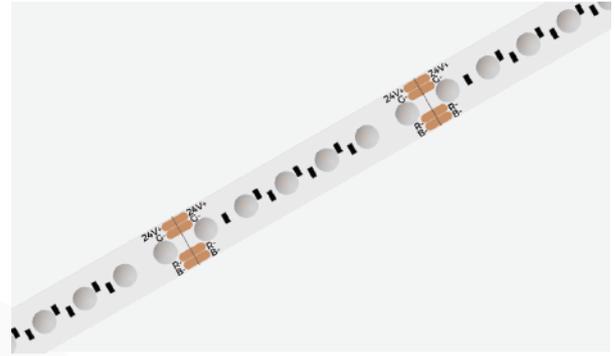
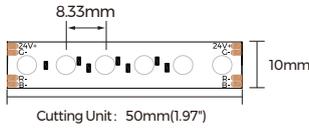
PD120RGB

24V-10mm



【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



【Dimension】

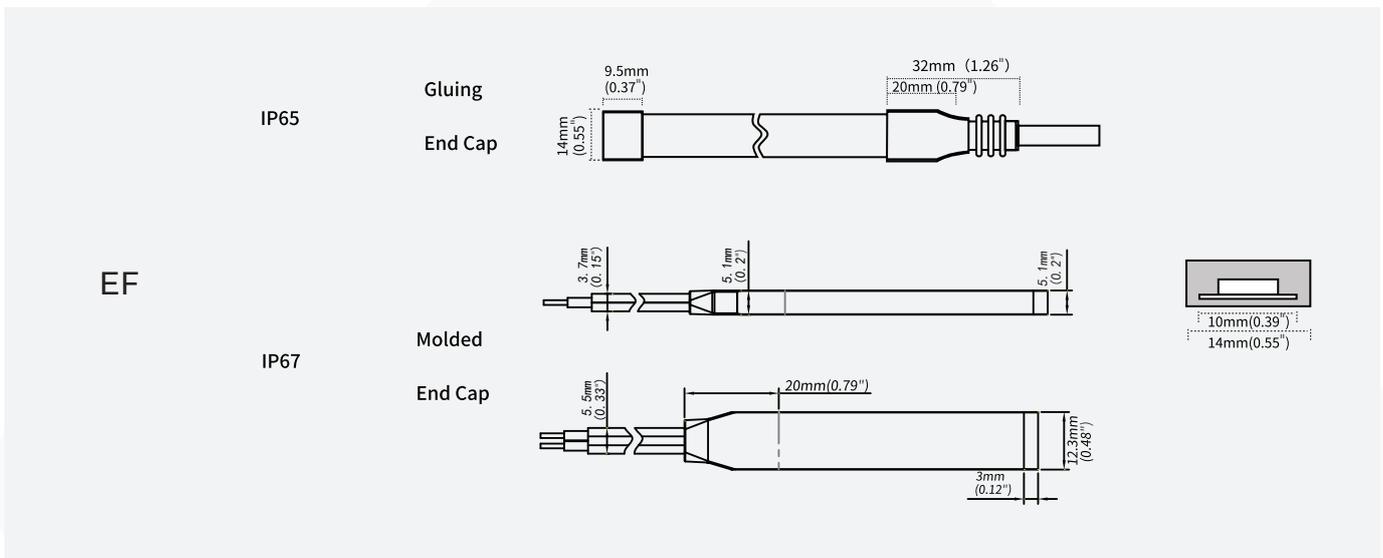
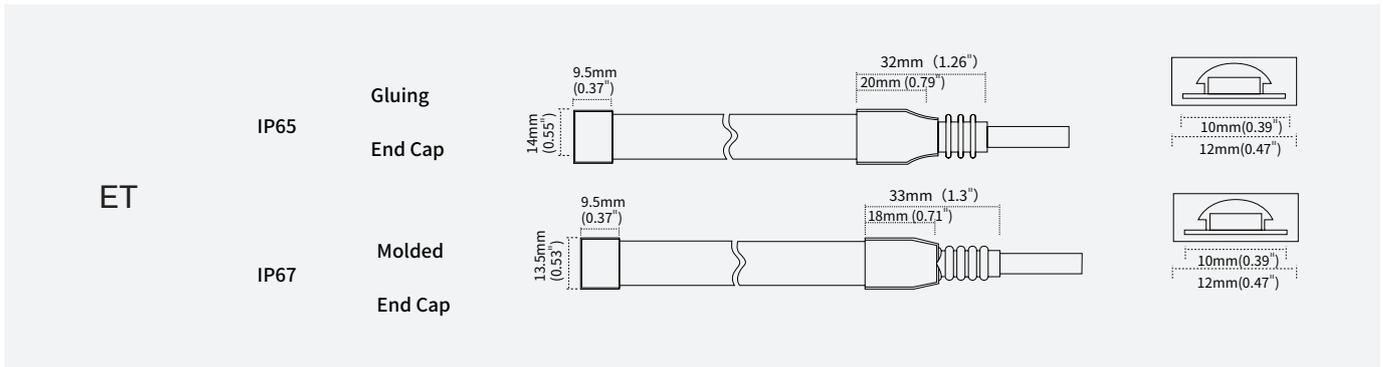
Input voltage: DC24V	Max.length: 5000mm(16.4')
CRI: /	Cutting unit: 50mm(1.97")
Max.power: 15.9W(1m)	LED pitch: /
Power range: 12.9 ~ 15.9W(1m)	Min. bend diameter: Φ60mm(2.36")
Rated current: 0.6A(1m)	Mounting: 3M tape
Typical Power: 14.4W(1m)	Copper foil: 2oz
IP: IP20/IP65/IP67	
On-off times: 10000 (test times)	
Warranty: 5 years indoors / 5 years outdoors	

【Photo-electric Parameters】

CRI	Color	CCT	Lumen(lm/m)	Lumen(lm/ft)	lm/W	ErP 2019
/	R	620-630nm	96	29	20	/
/	G	520-530nm	269	82	56	/
/	B	450-460nm	86	26	18	/
/	RGB	RGB	450	137	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/lmmerter, data of 5m in only for reference.
- 4.IP protection process leads changes to size, CCT and luminous flux.

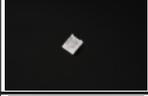
【IP process information】



【Electronic & output data】

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

【Accessories Information】

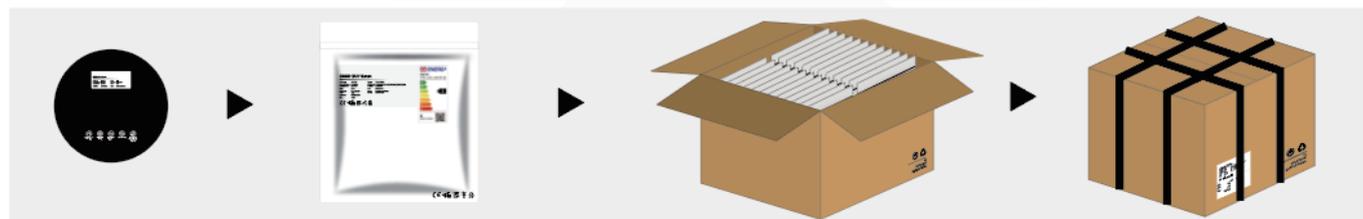
Name	Picture	Code	coding	description
Fixed Clip		94-02-00-0003	FSW10SA	Silicone clip, screw: PA 3*8mm, suitable for 10mm FPC,EF/ET strip
Silicone Plug Kit		94-02-00-0046	DT10EA-A	Silicone plug kit is suitable for 10mm board width, ET/EF series silicone extrusion light strip
Silicone stopper kit		94-02-00-0047	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
Connector for wire and FPC		/	CXB410-DFTA	4PIN,wire to board(without wire),suitable for 10mm RGB IP20 strips
Connector for FPC and FPC		/	CBB410-DFTA	4PIN,board to board,suitable for 10mm RGB strips
L-connector for FPC and FPC		/	CBBL410-DFTA	4PIN,board to board(L shape),suitable for 10mm RGB IP20 strips

【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°C -40°C. Storage temperature: 0°C -60°C. 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 process of the product is NA. Ultraviolet rays will damage the nano-layers on the product and seriously affect the life of the product.