

CSP-dot Series Specification

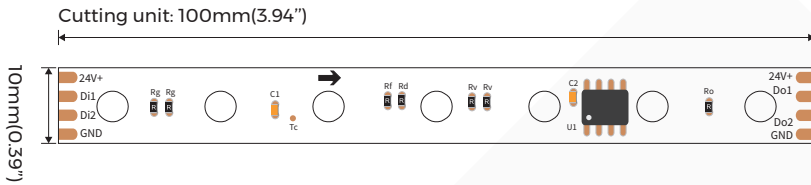
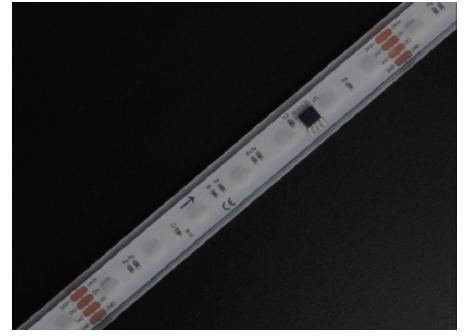
PDS70RGB

24V-10mm



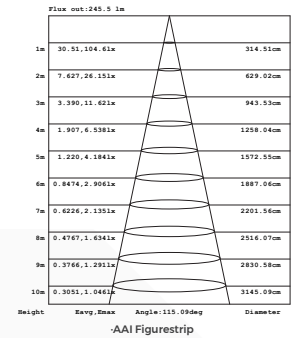
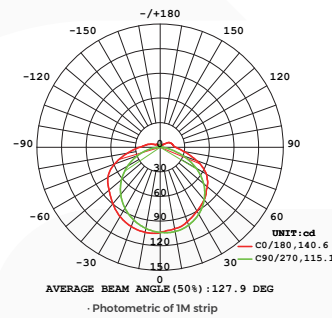
【General description】

- SPI RGB strip, 10 pixels per meter, IC model:UCS5603A
- The EFW process has a unique structure, using special profiles, does not require adhesive backing, and is easy to install
- Side-exit cable plug, seamless lighting with no dark spots
- Operating Temperature, Ta: -40~60°C; Tc: 75°C (max)
- 5 years warranty



【Dimension】

- | | |
|----------------------------------|--|
| Input voltage: DC24V | Max.length: 5000mm(16.4') |
| CRI: / | Cutting unit: 100mm(3.93") |
| Max.power: 15.4W(1m) | LED pitch: 14.28mm(0.56") |
| Power range: 12.6~15.4W(1m) | Min. bend diameter: Φ 60mm(2.36") |
| Rated current: 0.58A(1m) | Mounting: 3M tape |
| Typical Power: 14W(1m) | Copper foil: 3oz |
| IP: IP67 | |
| On-off times: 10000 (test times) | |
| Warranty: 5years | |

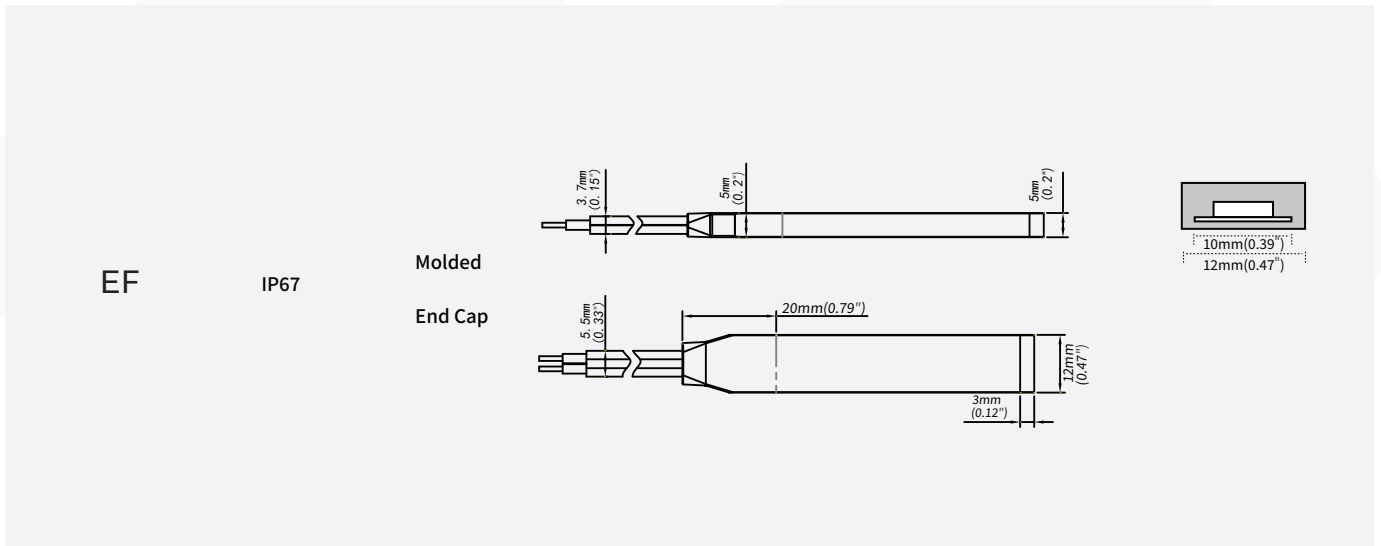
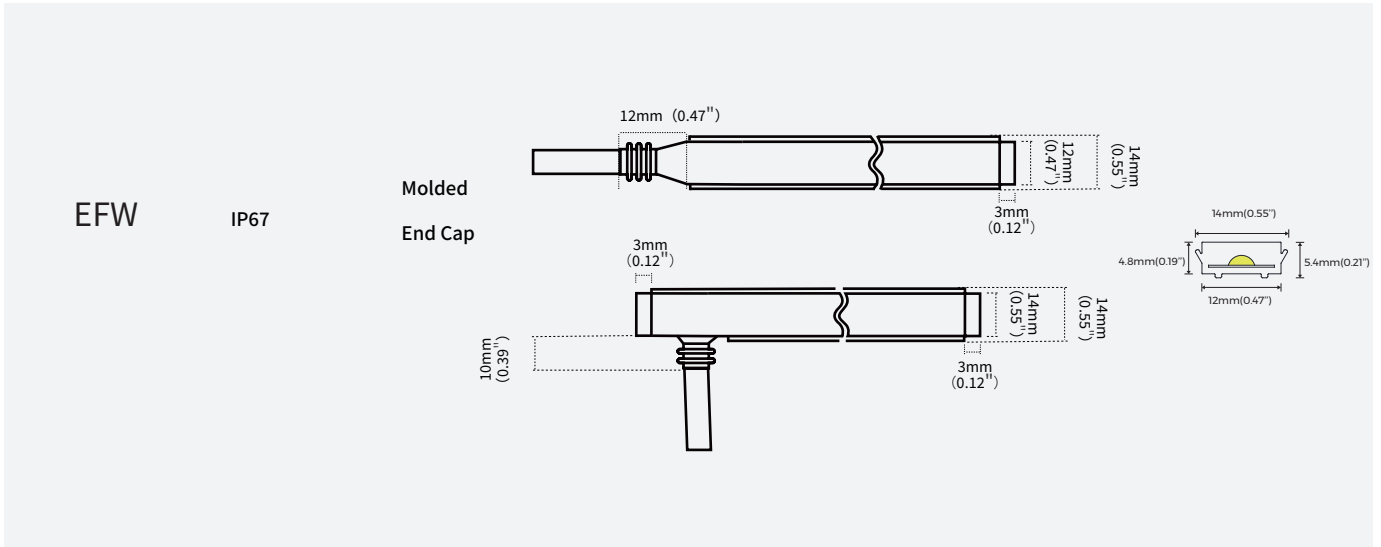


【Photo-electric Parameters】

CRI	Color	CCT	Lumen(lm/m)	Lumen(lm/ft)	lm/W	ErP 2019
/	RGB	RGB	450	137	32	/
/	R	620-630nm	95	29	/	/
/	G	510-520nm	320	97	/	/
/	B	455-465nm	65	20	/	/

- 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/Imerter, data of 5m in only for reference.
- 4.IP protection process leads changes to size, CCT and luminous flux.









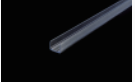


【IP process information】



【Electronic & output data】

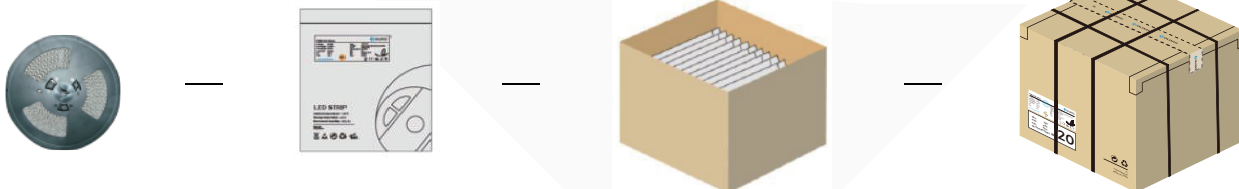
IP Process	Picture	Picture description	Size	optional CCT/color for finished product	lumen output rate
EFW	 EFW/IP67	No proof	14mm*5.4mm	RGB	86%
EF	 EF/IP67	No proof	12mm*5mm	RGB	86%

[Product Solutions]

Name	Picture	Code	coding	description
Alumina carrier		/	CLS10EFW-12050100	size:L1000*W15.4*H7.4mm
Aluminum clip		/	FLS10EFW-1205	size:L25*W15.4*H7.4mm
4P male connector wire		/	AS-FC-0015(0.25M) AS-FC-0016(0.5M) AS-FC-0017(2M)	suitable for RGB/SPI led strip Wire lengths are optional: 0.25M/0.5M/2
4P female connector wire		/	AS-FC-0018(0.25M) AS-FC-0019(0.5M) AS-FC-0020(2M)	suitable for RGB/SPI led strip Wire lengths are optional: 0.25M/0.5M/2
4P T-Connection Wire		/	AS-FC-0028	suitable for RGB/SPI led strip Wire length 150mm
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
Controller		/	K-8000C	Power supply: DC 5V-24V input Power consumption: 5W Working temperature: Ta:0-20 C ~0+85 C

[Packing]

General customized package(EF/EFW)



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)
EFW	10000*14*5.4	10	100	1.05	12.55	13.55	41*41*26
EF	10000*12*5	10	100	0.95	11.55	12.55	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.