

CSP-dot Series Specification

# PDS70

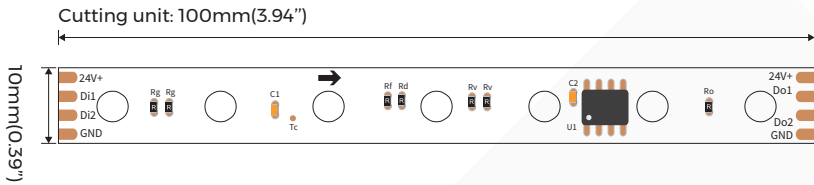
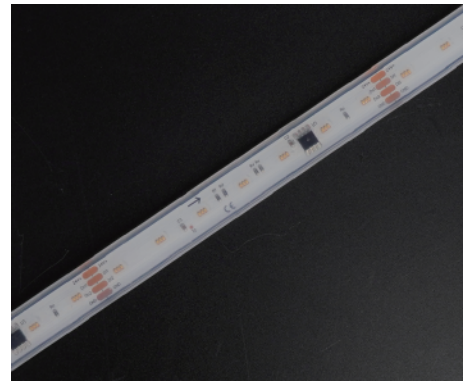
## 24V-10mm

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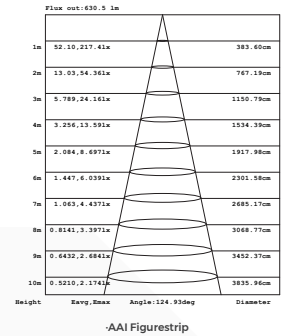
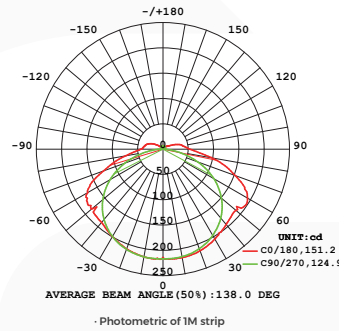
## 【General description】

- SPI white 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: 90                          | 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: $\Phi$ 60mm(2.36") |
| Rated current: 0.58A(1m)         | Mounting: 3M tape                      |
| Typical Power: 14W(1m)           | Copper foil: 3oz                       |
| IP: IP20/IP67                    |  |
| On-off times: 10000 (test times) |  |
| Warranty: 5years                 |  |

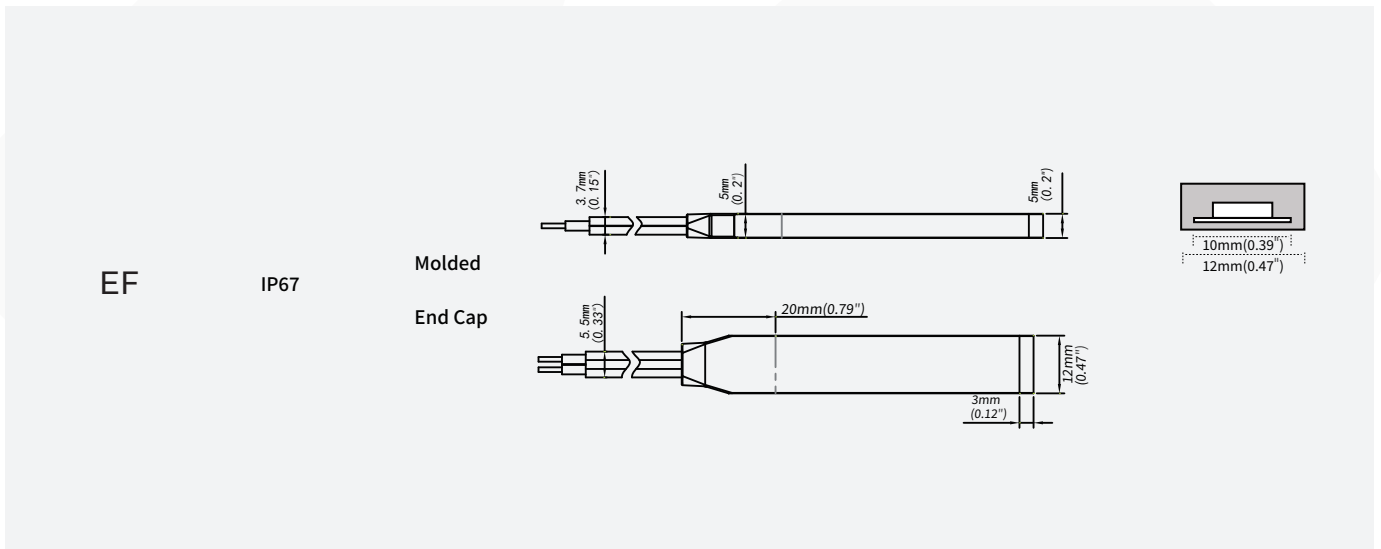
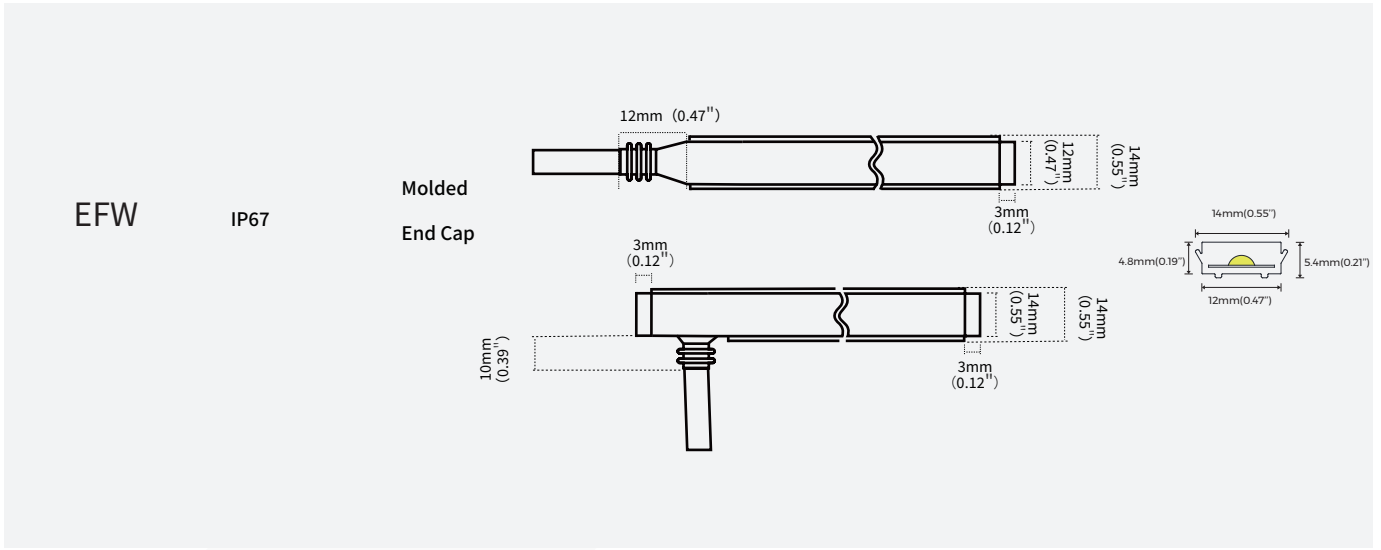


## 【Photo-electric Parameters】




CRI	Color	CCT	Lumen(lm/m)	Lumen(lm/ft)	lm/W	ErP 2019
>90	SW	2700K	950	290	68	G
>90	WW	3000K	995	303	71	G
>90	NW	4000K	1020	311	73	G
>90	W	6500K	1020	311	73	G

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








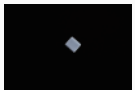
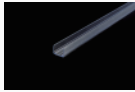


**【IP process information】**



**【Electronic & output data】**

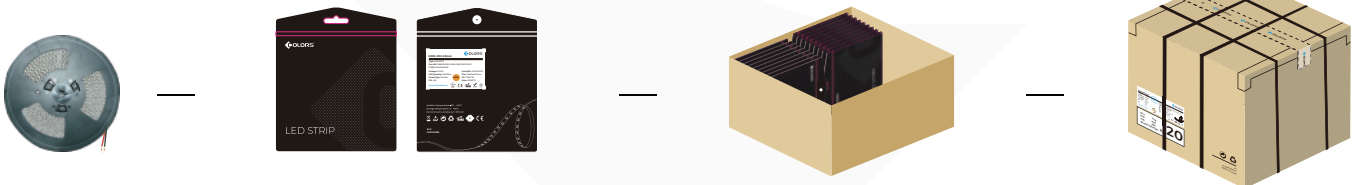
IP Process	Picture	Picture description	Size	optional CCT/color for finished product	lumen output rate
NO	 NO/IP20	No proof	10mm*1.7mm	2700K/3000K/4000K/6500K	100%
EFW	 EFW/IP67	No proof	14mm*5.4mm	2700K/3000K/4000K/6500K	86%
EF	 EF/IP67	No proof	12mm*5mm	2700K/3000K/4000K/6500K	86%

## [Product Solutions]

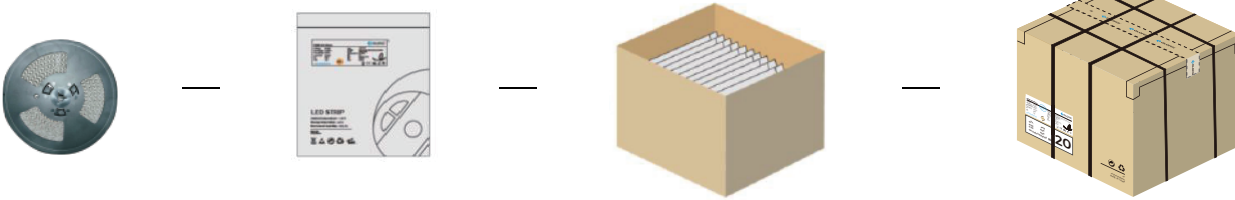
Name	Picture	Code	coding	description
Alumina carrier		/	CLS10EFW-12050100	size:L1000*W15.4*H7.4mm
Aluminum clip		/	FLS10EFW-1205	size:L25*W15.4*H7.4mm
4P male connector wire		/	AS-FC-0015(0.25M) AS-FC-0016(0.5M) AS-FC-0017(2M)	suitable for RGB/SPI led strip Wire lengths are optional: 0.25M/0.5M/2
4P 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]

Colors brand package(NONA)



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)
NO	5000*10*1.7	5	300	0.13	7.6	8.8	41*41*26
EFW	5000*14*5.4	5	125	0.55	12.8	13.9	29*29*56
EF	5000*12*5	5	200	0.45	18	19.8	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 process of the product is NA. Ultraviolet rays will damage the nano-layers on the product and seriously affect the life of the product.