

CSP DOT Series Specification

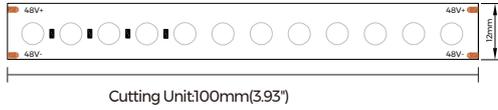
PD120

48V-12mm



【General description】

- Max.180° beam angle light-emitting
- Super durable,super long 25m
- 5 years warranty
- With life span over 60000H
- Ta: -40-60°C; Tc: 75°C(max)
- UL/UACK/CE/ROHS/REACH certification



【Dimension】

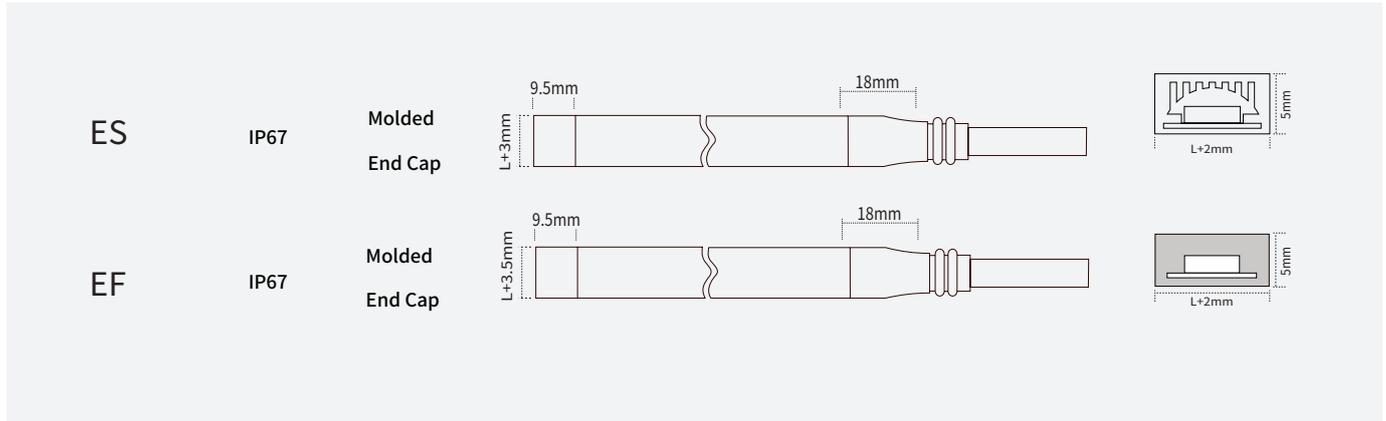
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|--|----------------------------------|
| Input voltage: DC48V | Max.length: 25000mm(82') |
| CRI: 90 | Cutting unit: 100mm(3.93") |
| Max.power: 10.6W(1m) | LED pitch: 8.33mm(0.33") |
| Power range: 8.6~10.6W(1m) | Min. bend diameter: Φ60mm(2.36") |
| Rated current: 0.2A(1m) | Mounting: 3M tape |
| Typical Power: 9.6W(1m) | Copper foil: 3oz |
| IP: IP67 | |
| On-off times: 10000 (test times) | |
| Warranty: 5 years indoor / 5 years outdoor | |

【Photo-electric Parameters】

CRI	Color	CCT	Lumen(lm/m)	Lumen(lm/ft)	lm/W	ErP 2019
Ra>90	SW	2700K	490	148	51	/
Ra>90	WW	3000K	520	157	54	/
Ra>90	NW	4000K	550	168	58	/
Ra>90	W	6500K	565	171	59	/

- 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 IP20/1mterter, data of 5m in only for reference.
- 4.IP protection process leads changes to size, CCT and luminous flux.

【IP process information】

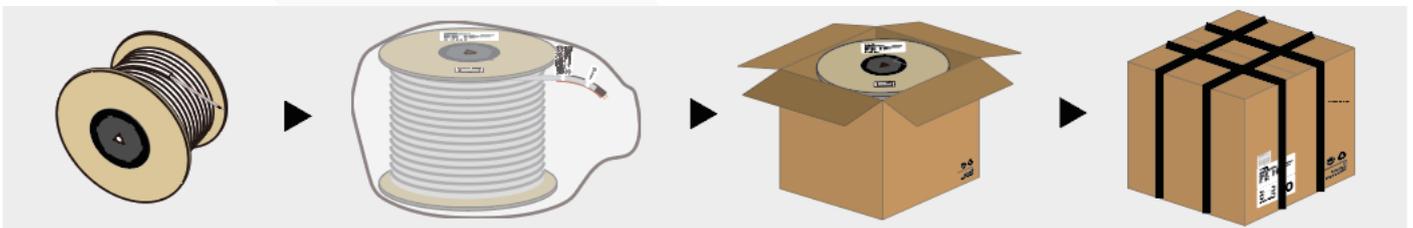


【Electronic & output data】

IP Process	Picture	Picture description	Size	optional CCT/color for finished product	lumen output rate
NO		No proof	12mm*1.7mm	2700K/3000K/4000K/6500K	100%
ES		Extrusion tube	14mm*5.0mm	2700K/3000K/4000K/6500K	90%
EF		Extrusion filing	14mm*5.0mm	2700K/3000K/4000K/6500K	88%

【Packing】

General customized package(ES/EF)



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)
ES	25000*14*5.0	25	25	2.25	2.7	3.1	25.5*25.5*26
EF	25000*14*5.0	25	25	2.35	2.8	3.2	25.5*25.5*26

Remark: data with 10% tolerance

【Precautions】

- Please drive the led strip with 48VDC 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.
- * When using dimmer and dimming power supplies like Triac, etc, conduct compatibility tests on the product, dimmers and power supplies to ensure full compatibility. If any issues arise, contact COLORS for technical support.