CSP DOT Series Specification
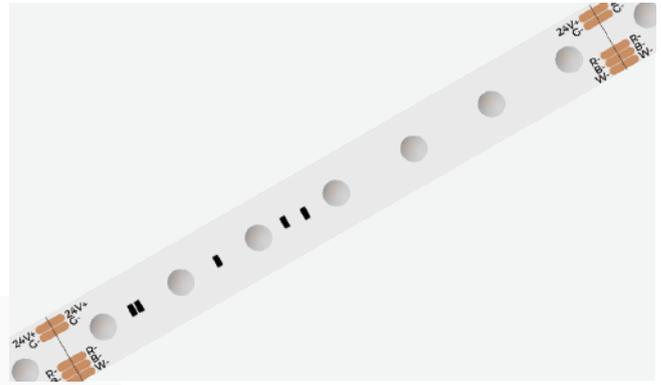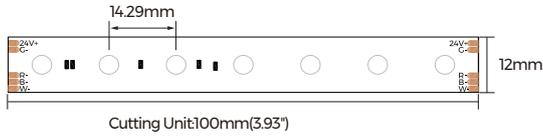
PD70RGBW
24V-12mm

—

UL c E498657 us | UK CA | C E | RoHS | Reach ✓

【General description】

· Max.180° beam angle light-emitting
· Free connecting by soldering-free connectors
· High density LEDs, no shadow
· Ta: -40~60°C; Tc: 75°C (max)
· UL/UACK/CE/ROHS/REACH certification

14.29mm

12mm

Cutting Unit:100mm(3.93")

【Dimension】

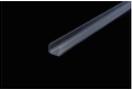|	
Input voltage：DC24V	Max.length： 5000mm(16.4')
CRI： /	Cutting unit： 100mm(3.93")
Max.power: 18.5W(1m)	LED pitch： /
Power range: 15.1~18.5W(1m)	Min. bend diameter： Φ60mm(2.36")
Rated current： 0.7A(1m)	Mounting： 3M tape
Typical Power： 16.8W(1m)	Copper foil: 2oz
IP： IP20/IP65	
On-off times: 10000（test times）	
Warranty： 5 years indoors / 5 years outdoors	

【Photo-electric Parameters】

CRI	Color	CCT	Lumen(lm/m)	Lumen(lm/ft)	lm/W	ErP 2019
/	RGBSW	RGB+2700K	640	195	38	/
/	RGBWW	RGB+3000K	655	199	39	/
/	RGBNW	RGB+4000K	640	195	38	/
/	RGBW	RGB+6500K	640	195	39	/

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.
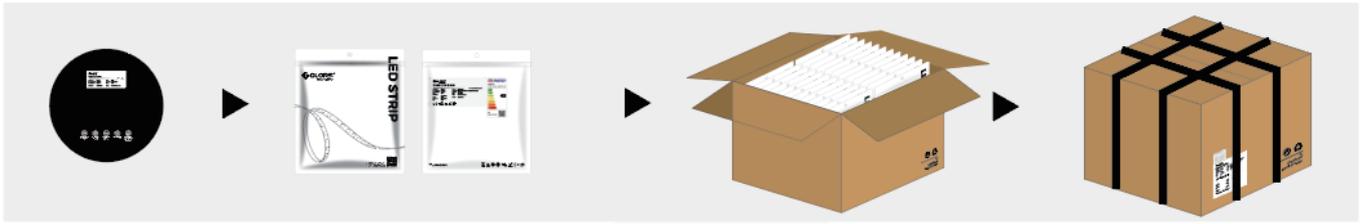
【Electronic & output data】

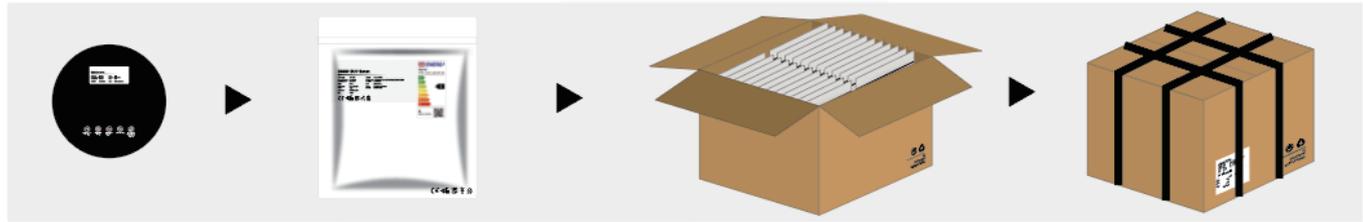| IP Process	Picture	Picture description	Size	optional CCT/color for finished product	lumen output rate
NO	NO/IP20	No proof	12mm*1.7mm	RGB+2700K/3000K/4000K/6500K	100%
NA	NANO/IP65	Nano-proof	12mm*1.8mm	RGB+2700K/3000K/4000K/6500K	98%
ES	ET/IP67	Extrusion tube	14mm*4.8mm	RGB+2700K/3000K/4000K/6500K	88%
EF	EF/IP67	Extrusion filling	16mm*4.8mm	RGB+2700K/3000K/4000K/6500K	86%

【Accessories Information】

Name	Picture	Code	coding	description
Fixed Clip		94-02-00-0004	FSW12SA	Silicone clip, screw: PA 3*8mm, suitable for 12mm FPC,EF/ET strip
Silicone Plug Kit		94-02-00-0048	DT12EA-A	Silicone plug kit, suitable for 12mm board width, ET/EF series silicone extrusion light strip
Silicone stopper kit		94-02-00-0049	DW12EA-A	Silicone tail plug kit, suitable for 12mm board width, ET/EF series silicone extrusion light strip
Mounting groove		94-02-00-0026	CPT12EA-16100100	Transparent PVC mounting groove,suitable for 12mm FPC,silicone extruded EF/ET strip
Stopper glue		94-16-03010001	AS-PG-0003	Silicone gel,suitable for ET/EF/EG/ERG waterproof LED strip

【Packing】

Colors brand package(NONA)

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*12*1.7	5	250	0.15	7.5	8.58	41*41*26
NA	5000*12*1.8	5	250	0.16	8	9.08	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.