SMD Series | Specification

D864F
24V-8mm

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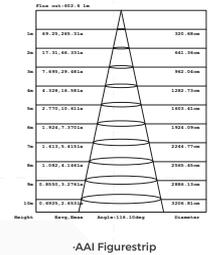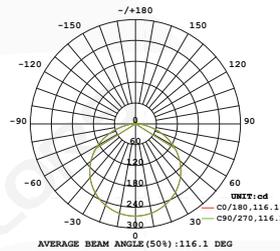UL E498657 | UKCA | CE | RoHS | Reach

【General description】

· Luminance efficiency up to 178LM/W

· Self-encapsulated design offers five optional 2700-6500K white lights

· With life span over 60000H

· Ta: -25~40℃；Tc: 75℃（max）

· UL/UACK/CE/ROHS/REACH certification

15.6mm(0.62")

1.5mm
(0.06")

8mm
(0.32")

125mm(4.92")

【Dimension】

Input voltage：DC24V

CRI：90

Max.power: 4.7W(1m)

Power range: 3.9～4.7W(1m)

Rated current：0.18A(1m)

Typical Power：4.3W(1m)

tape IP：IP20/IP65/IP67

Warranty：5 years indoor / 3 years outdoor

Max.length：5000mm(16.4')

Cutting unit：8leds/125mm(4.92")

LED pitch：15.6mm(0.62")

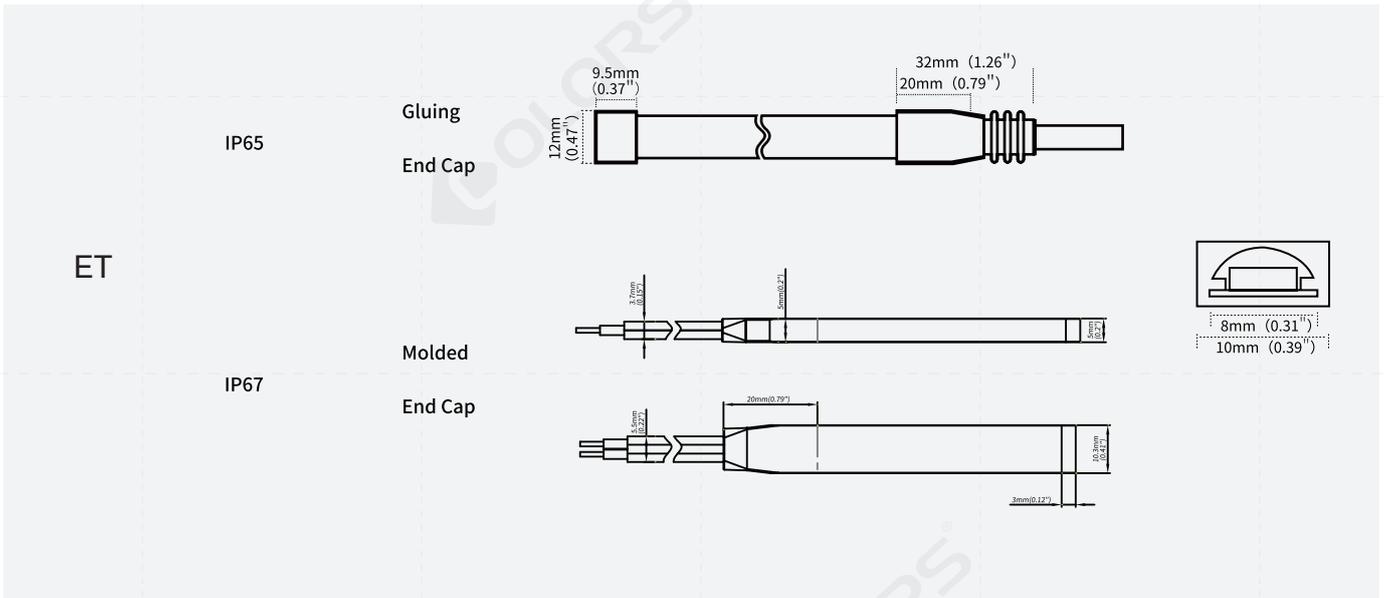Min. bend diameter：Φ60mm(2.36")

Mounting：3M tape

Copper foil: 2oz

AVERAGE BEAM ANGLE(50%):116.1 DEG

· Photometric of 1M strip

·AAI Figurestrip

【Photo-electric Parameters】

CRI	Color	CCT	Lumen(lm/m)	Lumen(lm/ft)	lm/W	ErP 2019
Ra>90	SW	2700K	720	219	167	D
Ra>90	WW	3000K	735	224	171	D
Ra>90	PW	3500K	750	229	175	C
Ra>90	NW	4000K	765	233	178	C
Ra>90	W	6500K	745	227	173	C

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.

【IP process information】

ET

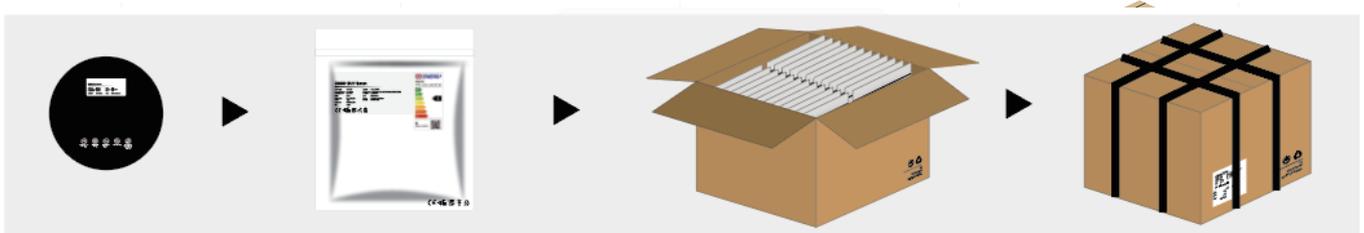|		
IP65	Gluing	9.5mm (0.37") / 12mm (0.47") / 32mm (1.26") / 20mm (0.79")
	End Cap	
IP67	Molded	3.7mm (0.15") / 5mm (0.2") / 5mm (0.2")
	End Cap	5.5mm (0.22") / 20mm(0.79") / 10.2mm (0.4") / 3mm(0.12")

8mm (0.31")
10mm (0.39")

【Electronic & output data】

IP Process	Picture	Picture description	Size	optional CCT/color for finished product	lumen output rate
NO	NO/IP20	No proof	10mm*1.5mm	2700K/3000K/3500K/ 4000K/5000K/6500K	100%
NA	NANO/IP65	Nano-proof	10mm*1.5mm	2700K/3000K/3500K/ 4000K/5000K/6500K	98%
ET	ET/IP67	Extrusion tube	10mm*4.8mm	2700K/3000K/3500K/ 4000K/5000K/6500K	88%

【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*8*1.5	5	300	0.108	6.48	7.452	41*41*26
NA	5000*8*1.5	5	300	0.11	6.6	7.59	41*41*26
ET	5000*10*4.8	5	200	0.433	17.32	19.918	41*41*26

Remark：data with 10% tolerance

· Engineering Packaging of ET(IP67)

(free-soldering end caps with 40 cover per box could be ordered separately if needed)

· Engineering packaging of NO(IP20)/NA(IP65).

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	50000*8*1.5	50	650	1.08	14.04	16.146	41*41*26
NA	50000*8*1.5	50	650	1.1	14.3	16.445	41*41*26
ET	50000*10*4.8	50	100	4.41	8.82	10.143	25.5*25.5*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.