CLASSIC Series | **Specification**
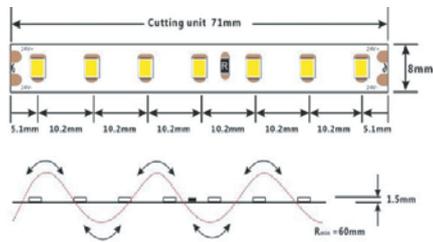
D898
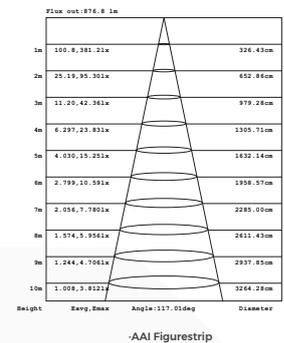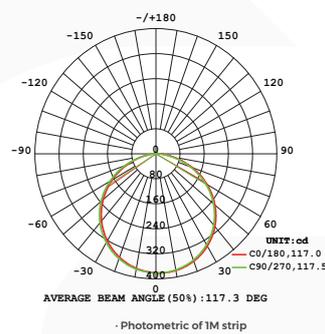## 24V-8mm

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UL E498657 · UKCA · CE · RoHS · Reach

【General description】

· Double leds per cut for 24V，easily for customized application
· Self-encapsulated design offers 5 optional 1900-6000K white lights
· High quality PFC, high thermal 3M adhesive
· With life span over 60000H
· Ta: -25~40℃；Tc：75℃(max)
· UL/UACK/CE/ROHS/REACH certification

【Dimension】

Input voltage：DC24V

CRI：＞80/90/95

Max.power: 10.1W(1m)

Power range: 8.7 ～10.1W(1m)

Rated current: 0.39A(1m) /1.7A(5m)

Typical Power：9.4W(1m) /40.8W(5m)

tape IP: IP20/IP65/IP67

On-off times: 10000 （test times）

Warranty: 5 years indoor / 3 years outdoor

Max.length：5000mm
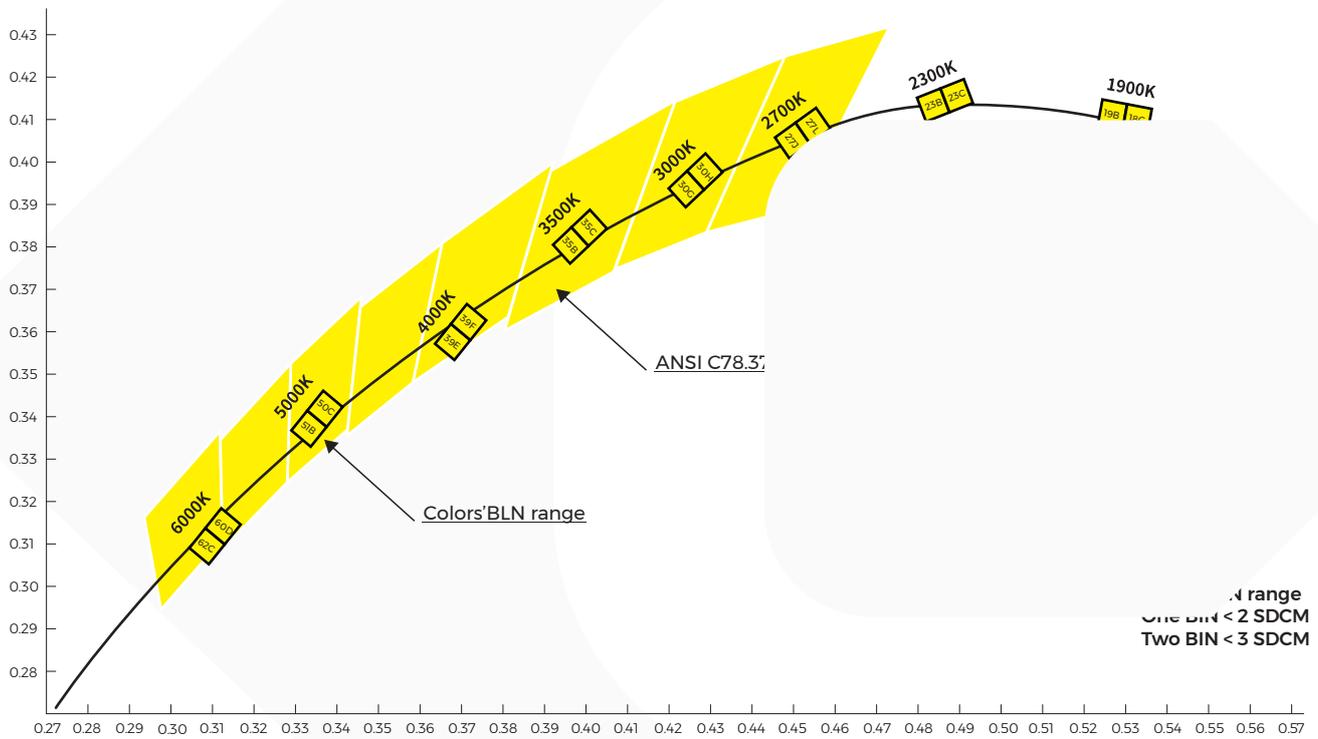
Cutting unit：7leds/71.43mm

LED pitch：10.2mm

Min. bend diameter：Φ60mm

Mounting：3M tape

Copper foil: 2oz

· Photometric of 1M strip

· AAI Figurestrip

【Photo-electric Parameters】

CRI	Color	CCT	Lumen(lm/m)	Lumen(lm/ft)	lm/W	ERP 2019
Ra>80	GW	1900K	775	236	82	G
Ra>80	LW	2300K	1080	330	114	F
Ra>80	SW	2700K	1205	368	128	F
Ra>80	WW	3000K	1260	384	134	F
Ra>80	PW	3500K	1255	383	133	F
Ra>80	NW	4000K	1240	159	131	F
Ra>80	DW	5000K	1175	159	125	F
Ra>80	W	6000K	1160	151	123	F
Ra>90	GW	1900K	830	96	88	G
Ra>90	LW	2300K	705	107	84	G
Ra>90	SW	2700K	920	115	98	G
Ra>90	WW	3000K	980	121	104	F
Ra>90	PW	3500K	1030	123	110	F
Ra>90	NW	4000K	1050	127	112	F
Ra>90	DW	5000K	1080	127	115	F
Ra>90	W	6000K	1030	121	110	F
Ra>95	SW	2700K	758	89	81	G
Ra>95	WW	3000K	832	98	89	G

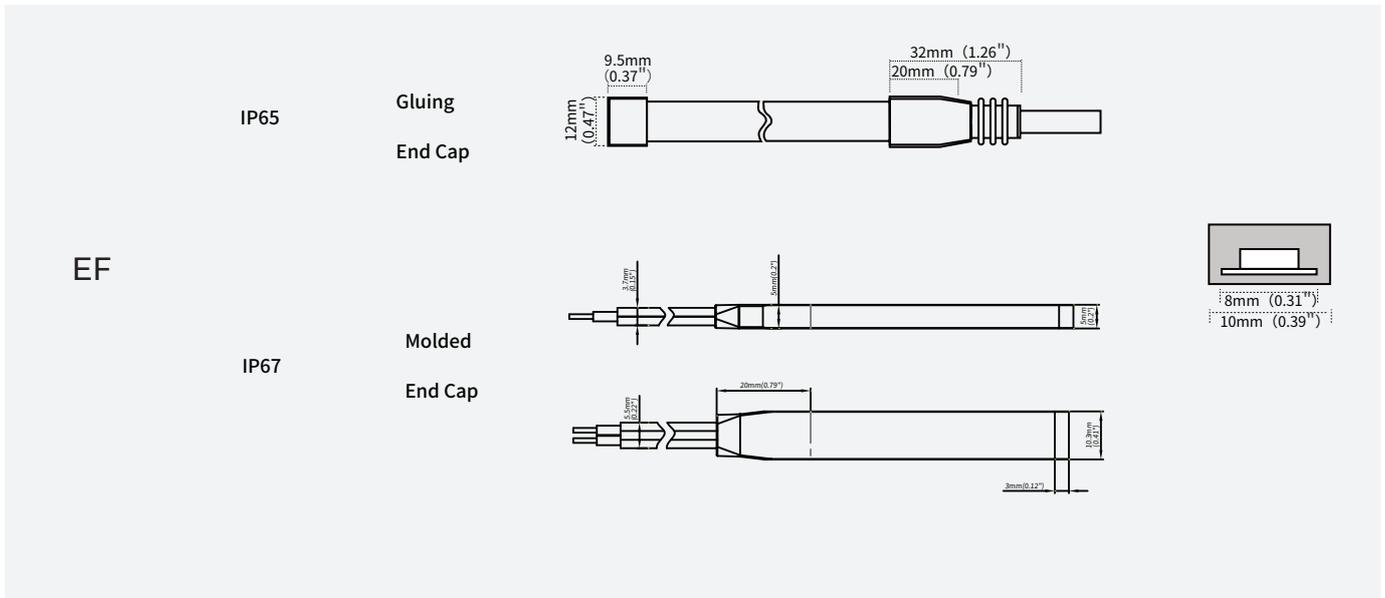| CRI	Color	CCT	Lumen(lm/m)	Lumen(lm/ft)	lm/W	ERP 2019
Ra>95	PW	3500K	925	282	98	F
Ra>95	NW	4000K	925	282	98	F
0	G	520-530nm	/	/	/	/
0	B	465-470nm	/	/	/	/

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.

【BIN】

ANSI C78.37

Colors'BLN range

N range
One BIN < 2 SDCM
Two BIN < 3 SDCM

【IP process information】

ET

IP65 — Gluing End Cap

IP67 — Molded End Cap

9.5mm (0.37")
32mm (1.26")
20mm (0.79")
12mm (0.47")
8mm (0.31")
10mm (0.39")
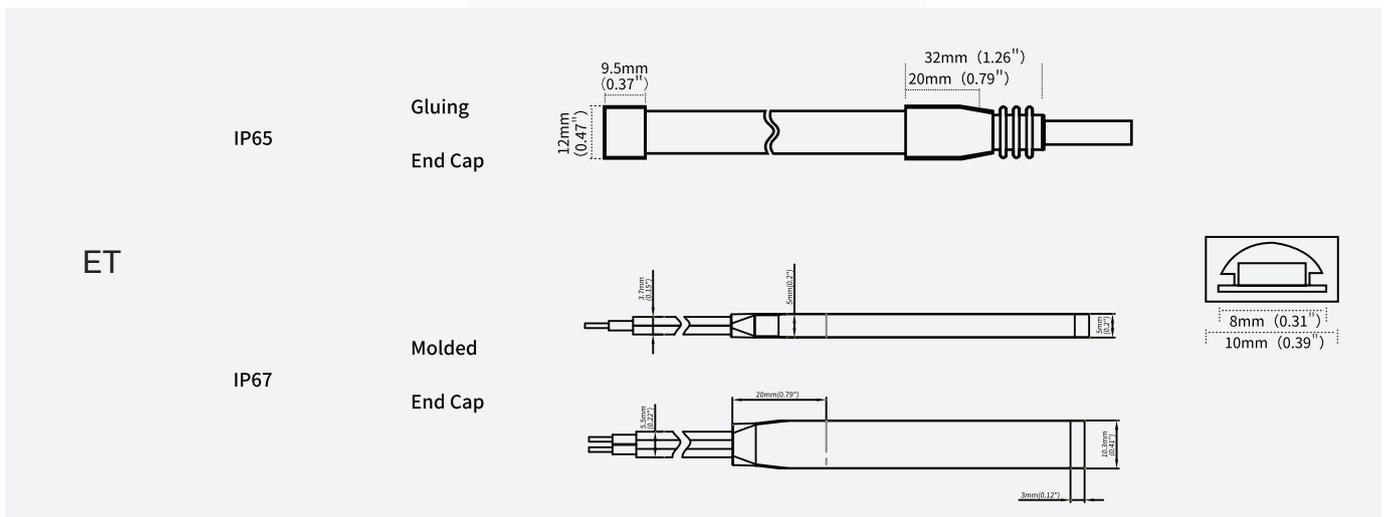
【IP Process Parameters】

IP Process	Picture	Picture description	Size	optional CCT/color for finished product	lumen output rate
NO	NO/IP20	No proof	8mm*1.5mm	1900K/2300K/2700K/3000K/3500K/4000K/5000K/6000K/G/B	100%
NA	NANO/IP65	Nano-proof	8mm*1.5mm	1900K/2300K/2700K/3000K/3500K/4000K/5000K/6000K/G/B	98%
ET	ET/IP67	Extrusion tube	10mm*4.8mm	1900K/2300K/2700K/3000K/3500K/4000K/5000K/6000K/G/B	88%
EF	EF/IP67	Extrusion filling	10mm*5mm	2300K/2900K/3400K/3850K/5800K/8750K/15000K/G/B	86%

【Accessories Information】

| Name	Picture	Code		description
Connector for wire and FPC		94-42-620800001	TXB208-NOGA	8mm width, 2PIN connector of wire and FPC, suitable for white color strip, NO/NA, 2PIN wire18- 22AWG
Connector for FPC and FPC		94-42-620800002	TBB208-NOGA	8mm width, 2PIN connector of FPC and FPC, suitable for white color strip,NO/NA
Slim connector		81-01-000000-000064	TBB208-NOTA	Suitable for 8mm board width, IP20, 2PIN board-to-board solderless terminal
Slim connector		81-01-000000-000066	TXB208-NOTA012	Suitable for 8mm board width, IP20, 2PIN wire- to-board solderless terminal
Fixed Clip		94-02-00-0002	FSW08SA	Silicone clip, screw: PA 3*8mm, suitable for 8mm FPC,EF/ET strip
Silicone Plug Kit		94-02-00-0044	DT08EA-A	Silicone plug kit, suitable for 8mm board width, ET/EF series silicone extrusion light strip

Name	Picture	Code	description
Silicone stopper kit		94-02-00-0045	DW08EA-A	Silicone tail plug kit, suitable for 8mm board width, ET/EF series silicone extrusion light strip
Mounting groove		94-02-00-0024	CVT08EA-12100100	Transparent PVC mounting groove,suitable for 8mm FPC,silicone extruded EF/ET strip
Stopper glue		94-16-03010001	AS-PG-0003	Silicone gel,suitable for ET/EF/EG waterproof LED strip
ET solderless plug		94-03-00-0027	PT208-ETWA	Monochromatic light strip, 8mm board width, ET protection technology
ET press-fit terminals		94-03-00-0028	CBX208-ETWA020	Monochromatic light strip, 8mm board width, ET protection technology
ET press-fit terminal kit		94-03-00-0029	STBX208-ETWA020	Monochromatic light strip, 8mm board width, ET protection technology

【Packing】

Colors brand package
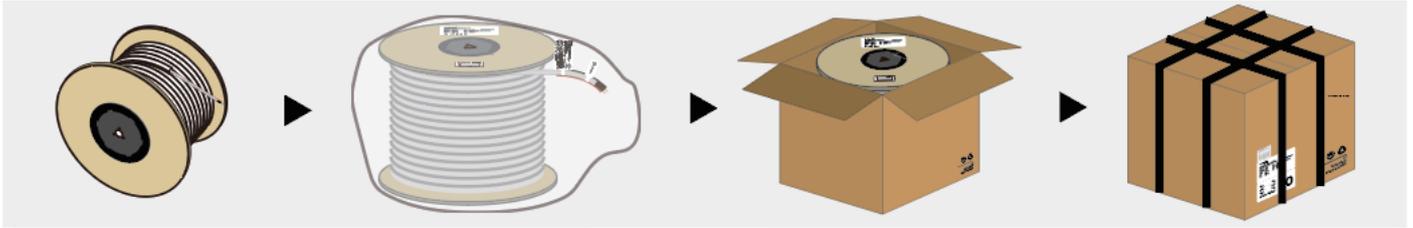

General customized package
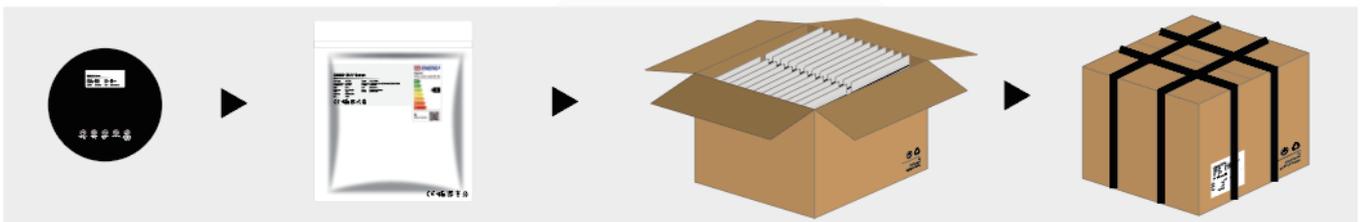
IP Process	Product size(mm)	Product quantity (m/reel)	Product quantity (m/case)	Product net weight(kg)	Net weight per box(kg)	Gross weight(kg)	Package size (cm)
NO	5000*8*1.5	5	300	0.114	6.84	7.866	41*41*26
NA	5000*8*1.6	5	300	0.119	7.14	8.211	41*41*26
ET	5000*10*4.8	5	200	0.439	17.56	20.194	41*41*26
EF	5000*10*5	5	200	0.485	19.4	22.31	41*41*26

Remark: data with 10% tolerance

· Engineering packaging of ET(IP67)/EF(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	5000*8*1.5	50	650	1.14	14.82	17.043	41*41*26
NA	5000*8*1.5	50	650	1.19	15.47	17.791	41*41*26
ET	5000*10*4.8	50	100	4.48	8.96	10.304	25.5*25.5*26
EF	5000*10 *5.0	50	100	4.95	9.9	11.385	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.