

# Specification

DS872-48V-10mm



### ▼General description

- 60m long strip driven by one end power supply with the same brightness from end to end
- Wide range of input voltage/reverse connecting&over temperature protection
- MAX 60°C operating temperature
- Ta: -25~60°C; Tc: 75°C (max)



### ▼Dimension

※Max.length: 60000mm(196.85 ' )

Cutting unit: 12leds/166.66mm(6.56 " )

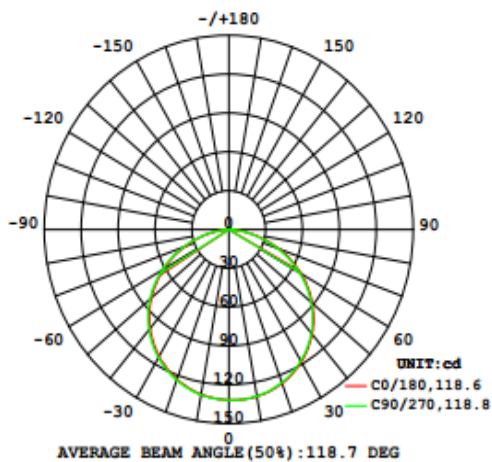
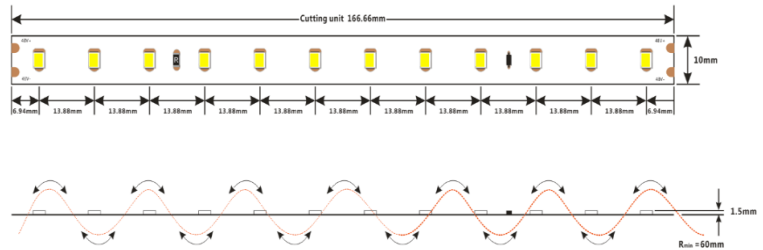
LED pitch: 13.88mm(0.547 " )

Min. bend diameter: Φ60mm(2.36inch)

Mounting: 3M tape

IP: IP20/IP65/IP67/IP68

※Warranty: 5years



Photometric of 1M strip

Height	Eavg, Emax	Angle: 118.61deg	Diameter
1m	33.24, 131.81x		336.90cm
2m	8.309, 32.951x		673.79cm
3m	3.693, 14.641x		1010.69cm
4m	2.077, 8.2371x		1347.59cm
5m	1.329, 5.2711x		1684.49cm
6m	0.9232, 3.6611x		2021.38cm
7m	0.6783, 2.6901x		2358.28cm
8m	0.5193, 2.0591x		2695.18cm
9m	0.4103, 1.6271x		3032.08cm
10m	0.3324, 1.3181x		3368.97cm

AAI Figure

※Max.length data is based on no current difference from end to end

※Warranty is based on indoor use

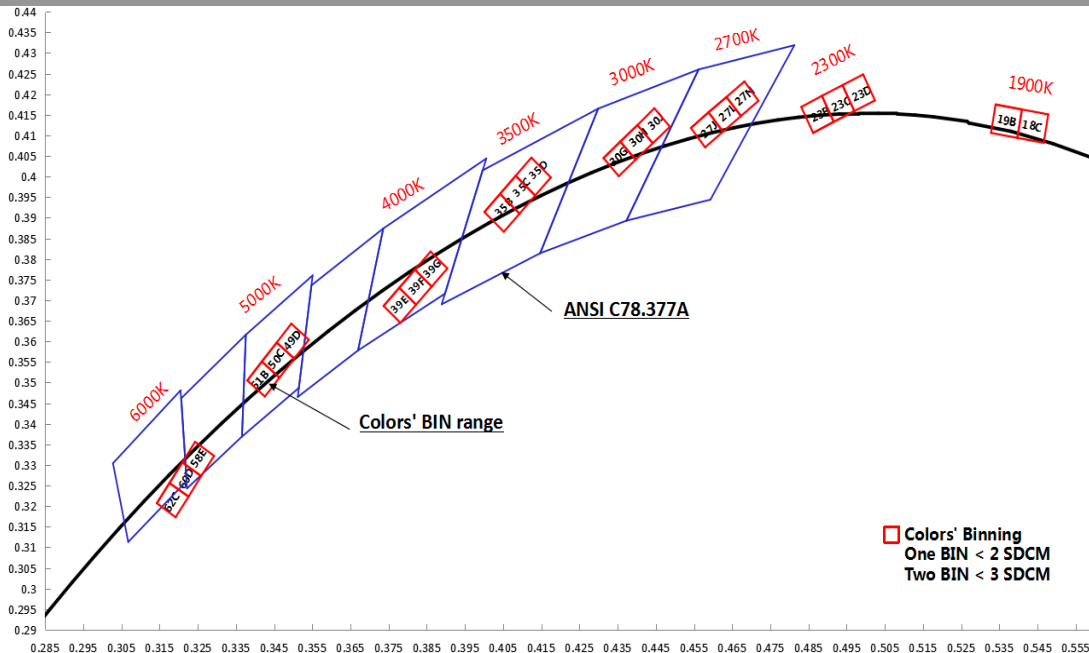
### ▼ Electronic & output data

Input voltage: DC48V	Rated current: 0.069A(1m) /4.14A(60m)
Typical Powe: 3.31W(1m) /198W(60m)	CRI: 90/95
Max.power: 3.74W/m	On-off times: 10000 (test times)
Power range: 2.88 ~ 3.74W/m	Copper foil: 3oz





CRI	Color	CCT	Lumen(lm)	lm/W	Energy efficiency class
95	SW	2700K	250	76	A+
95	WW	3000K	265	80	A+
95	PW	3500K	265	80	A+
95	NW	4000K	300	91	A+
90	GW	1900K	295	79	A+
90	LW	2300K	330	88	A+
90	SW	2700K	350	94	A++
90	WW	3000K	360	98	A++
90	PW	3500K	374	100	A++
90	NW	4000K	380	103	A++
90	DW	5000K	380	103	A++
90	W	6000K	360	98	A++

- 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 IP20/1merter, data of 40m in only for reference
- 4.IP protection process leads changes to size, CCT and luminous flux



### ▼ BIN





▼ IP Process

IP Process	Picture	description	Size	optional CCT/color for finished product	lumen output rate
NO		No proof	10mm*1.5mm	1900K/2300K/2700K /3000K/3500K/4000K /5000K/6000K	100%
NA		Nano-proof	10mm*1.5mm	1900K/2300K/2700K /3000K/3500K/4000K /5000K/6000K	98%
ET		Extrusion tube	12mm*4.8mm	1900K/2300K/2700K /3000K/3500K/4000K /5000K/6000K	88%
EF		Extrusion filling	12mm*5mm	2300K/2900K/3400K/3850K/5800K/8750K/15000K	86%

▼ Accessories Information

Name	Picture	Code	description
Connector for wire and FPC		94-03-00-0037	10mm width, 2PIN connector of wire and FPC,suitable for white color strip, NO/NA,2PIN wire18- 22AWG
Connector for FPC and FPC		94-42-621020004	10mm width, 2PIN connector of FPC and FPC,suitable for white color strip,NO/NA
Slim connector		94-03-00-0064	TSC-10-2, suitable for 10mm fpc to fpc connection , IP20, 2pin, 10pcs per bag
FPC with wire		94-03-00-0067	wire connection when using together with TSC-10-2,IP20,2PIN, 10PCS per bag
Mounting groove		94-02-00-0025	Transparent PVC mounting groove,suitable for 10mm FPC,silicone extruded EF/ET strip
Fixed Clip		94-02-00-0003	Silicone clip, screw: PA 3*8mm, suitable for 10mm FPC,EH/EF/ET strip
Fixed Clip		94-02-00-0018	transparent, 3*8mm self-tapping screws, suitable for 10mm FPC, NO/NA LED strip

Silicone end cap set		94-02-00-0022	Silicone end cap set, including end cap and plug, suitable for 10mm FPC, EH/ET/EF silicone extrusion strip
Stopper glue		94-16-03010001	Silicone gel, suitable for ST/ET/EH/EF/SF waterproof LED strip

### ▼ Order Code Formats

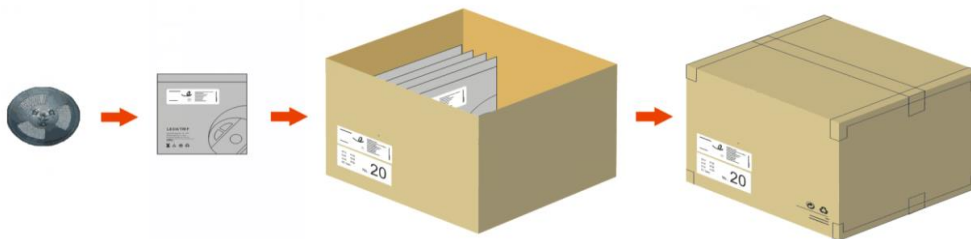
1: Category	2: LED	3: LED/m	4: Voltage	5:FPC Width	6: IP Process	7: CRI	8: CCT
DS -	8 2835	72 72 LED	48 48V	10 10mm	NO NO NA NANO ET Extrusion tube EF Extrusion filling	9 >90 H >95	GW 1900K LW 2300K SW 2700K WW 3000K PW 3500K NW 4000K DW 5000K W 6000K
DS -	8	72	48	10	NO	9	NW

9: Silk Printing	10: Entry cable	11: Wire type	12: Wire length	13: Tape type	14: Label Type	5: Strip Leng
N Neutral	S Single	A d and black cat	012 12cm	W White 3M	C COLORS	0100 1m
C COLORS	D Doubel	B SM-male wire	020 20cm	Y Yellow 3M	S Customized	0500 5m
S Customized	X Nothing	C SM-female wire	050 50cm	R Red tape		6000 60m
		X Nothing	100 100cm	X Nothing		
			0 Nothing			
N	D	A	012	W	C	6000

DS8724810NO-9NWDA012WC6000

### ▼ Packing

#### General customized package

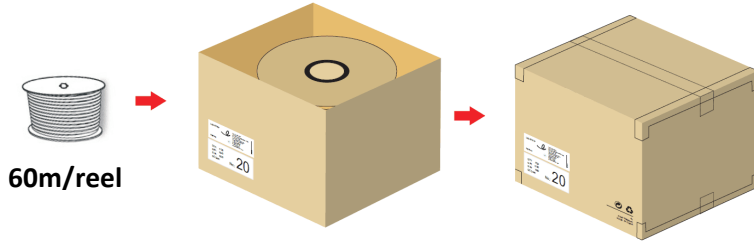


IP Process	Product size(mm)	Product quantity(m/reel)	Product quantity/(m/cas)	Product net weight(kg)	Net weight per box (kg)	Gross weight	Package size (cm)
NO	60000*10*1.5	60	600	1.385	13.85	15.2	41*41*26
NA	60000*10*1.5	60	600	1.42	14.2	15.55	41*41*26

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)



IP Process	Product size(mm)	Product quantity/reel	Product quantity/case	Product net weight(kg)	Net weight per box (kg)	Gross weight (kg)	Package size (mm)
ET	60000*12*4.8	60	120	5.4	10.8	11.265	25.5*25.5*26
EF	60000*12*5	60	120	6.048	12.096	12.561	25.5*25.5*26

Remark: data with 20% 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°C~40°C.Storage temperature: 0°C~60°C.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).