

ULTRA LONG Series Specification

# D8120

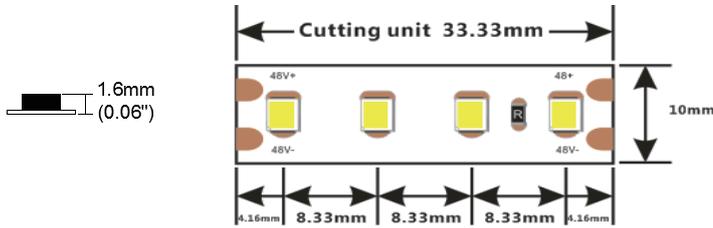
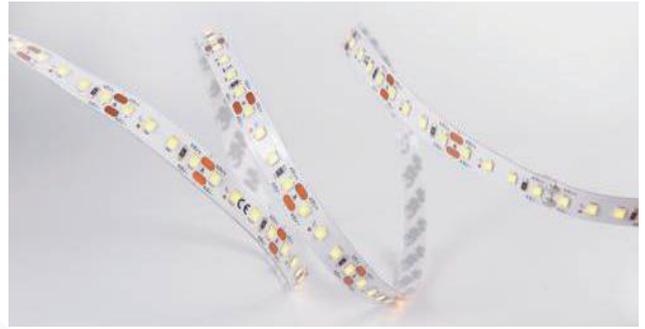
## 48V-10mm

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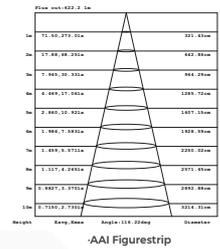
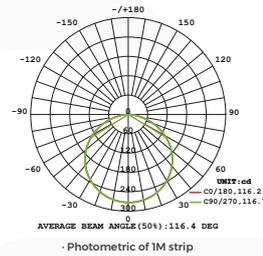
## 【General description】

- Max.length is 30 meters driven by one end
- strips is of lower current with 48V input, better for longer wire connection
- ultra long application with less power feed,high cost efficiency for project system
- With life span over 60000H,Ta: -25-40°C; Tc: 75°C(max)
- UL/UACK/CE/ROHS/REACH certification



## 【Dimension】

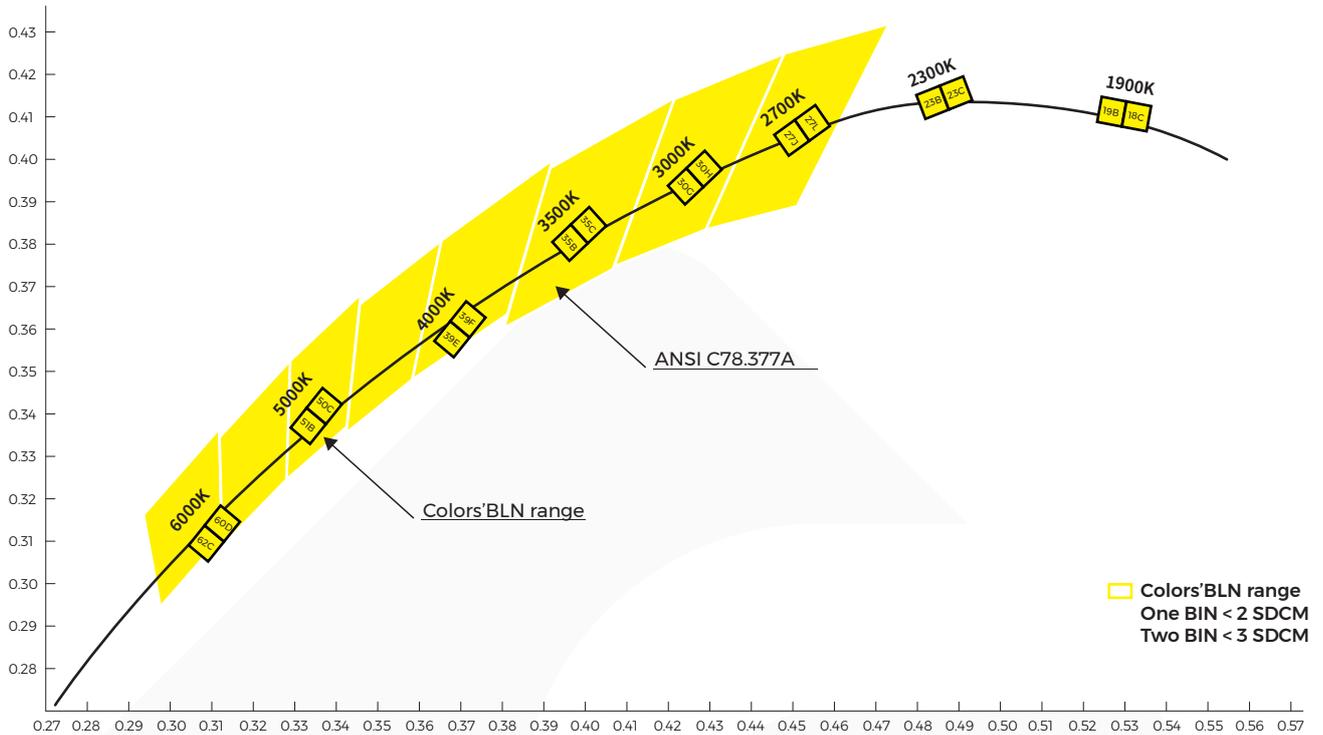
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|--|--|
| Input voltage: DC48V                       | Max.length: 30000mm(98.43')            |
| CRI: 80/90                                 | Cutting unit: 4leds/33.33mm(1.31")     |
| Max.power: 9.6W(1m)                        | LED pitch: 8.33mm(0.33")               |
| Power range: 8~9.6W(1m)                    | Min. bend diameter: $\Phi$ 60mm(2.36") |
| Rated current: 0.183A(1m) /4.33A(30m)      | Mounting: 3M tape                      |
| Typical Power: 8.8W(1m) /207.8W(30m)       | Copper foil: 3oz                       |
| tape IP: IP20/IP65/IP67                    |  |
| On-off times: 10000 (test times)           |  |
| Warranty: 5 years indoor / 3 years outdoor |  |



## 【Photo-electric Parameters】

CRI	Color	CCT	Lumen(lm/m)	Lumen(lm/ft)	lm/W	ErP 2019
Ra>80	SW	2700K	905	275	103	F
Ra>80	WW	3000K	950	290	108	F
Ra>80	NW	4000K	985	300	112	F
Ra>80	DW	5000K	985	300	112	F
Ra>80	W	6000K	950	290	108	F
Ra>90	SW	2700K	780	235	89	G
Ra>90	WW	3000K	830	250	94	F
Ra>90	NW	4000K	860	260	98	F
Ra>90	DW	5000K	860	260	98	F
Ra>90	W	6000K	830	250	94	F

- 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 proof	10mm*1.5mm	2700K/3000K/4000K/5000K/6000K	100%
NA		Nano-proof	10mm*1.5mm	2700K/3000K/4000K/5000K/6000K	98%

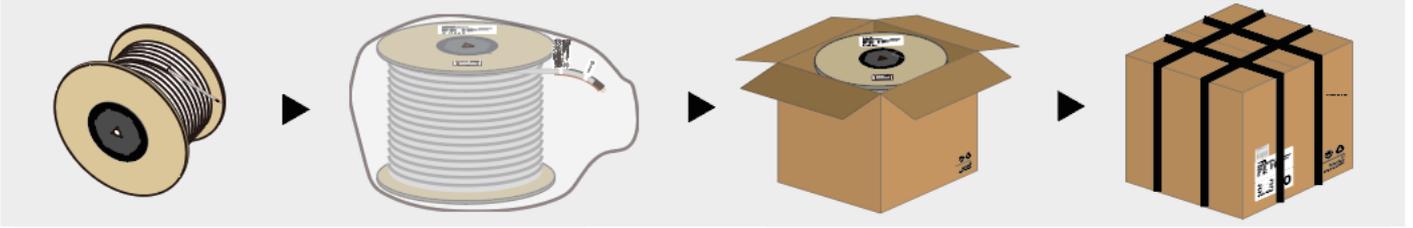
**[Accessories Information]**

Name	Picture	Code	coding	description
Connector for FPC and FPC		81-01-000002-000038	CBB210-NOTA	10MM-2P solder-free connector (board-to board)\ suitable for bare board 10mm width strip light
Connector for wire and FPC		81-01-000002-000039	CXB210-NOTA	10MM-2P solderless connector(wire to board)\ Compatible with 20&22AWG wire\20#(6A);22#(4A)\ Applicable to bare board 10mm width lamp strip
Protective connector for FPC and FPC		81-01-000002-000056	CBB210-EFWA	10MM-2P protective solderless connector (board to-board)\applicable to 10mm width\ EF lamp strip
Protective connector for FPC and FPC		81-01-000002-000057	CXB210-EFWA	10MM-2P protective solderless connector(wire to board)\20AWG wire(6A)\applicable to 10mm width\EF lamp strip
L-connector for FPC and FPC		81-01-000002-000053	CBBL210-NOTA	10MM-2P solderless (L) connectors (board-to board)\ for bare board 10mm width light strip

## 【Packing】

### · Engineering packaging of EG/EGR(IP65)/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	30000*10*1.5	30	300	0.813	8.13	9.349	41*41*26
NA	30000*10*1.6	30	300	0.829	8.29	9.5335	41*41*26
ET	30000*12*4.8	30	60	3	6	6.9	25.5*25.5*26
EG/EGR	30000*11.3*3.8	30	60	1.353	2.706	3.606	25.5*25.5*26
EF	30000*12*5	30	60	3.311	6.622	7.615	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.