

# Specification

D8120-48V-10mm



▼ 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 36000H  
Ta: -25~40°C; Tc: 75°C (max)



▼ Dimension

※Max.length: 30000mm

Cutting unit: 4leds/33.33mm

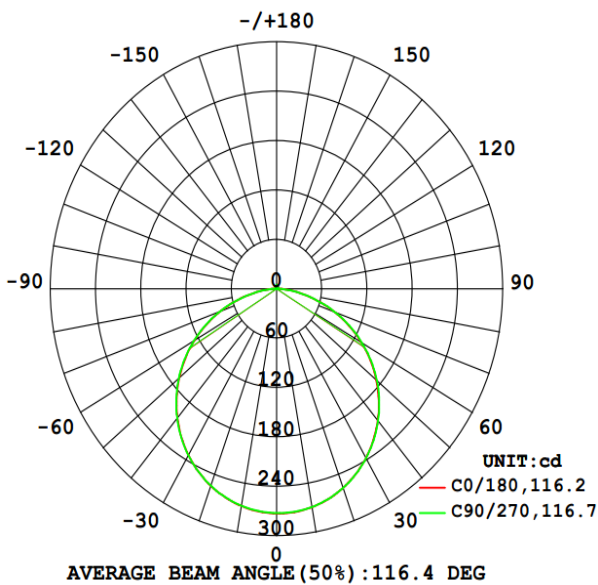
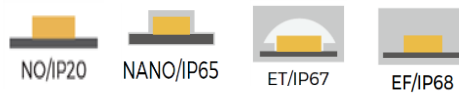
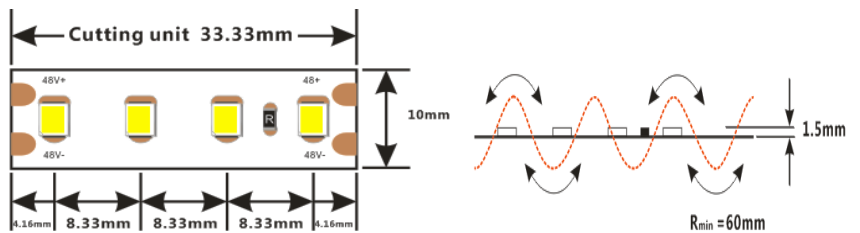
LED pitch: 8.33mm

Min. bend diameter: Φ60mm

Mounting: 3M tape

IP: IP20/IP65/IP67/IP68

※Warranty: 5years



Photometric of 1M strip

Flux out: 622.2 lm

Height	Eavg, Emax	Angle: 116.22deg	Diameter
1m	71.50, 273.01x		321.43cm
2m	17.88, 68.251x		642.86cm
3m	7.945, 30.331x		964.29cm
4m	4.469, 17.061x		1285.72cm
5m	2.860, 10.921x		1607.15cm
6m	1.986, 7.5831x		1928.59cm
7m	1.459, 5.5711x		2250.02cm
8m	1.117, 4.2651x		2571.45cm
9m	0.8827, 3.3701x		2892.88cm
10m	0.7150, 2.7301x		3214.31cm

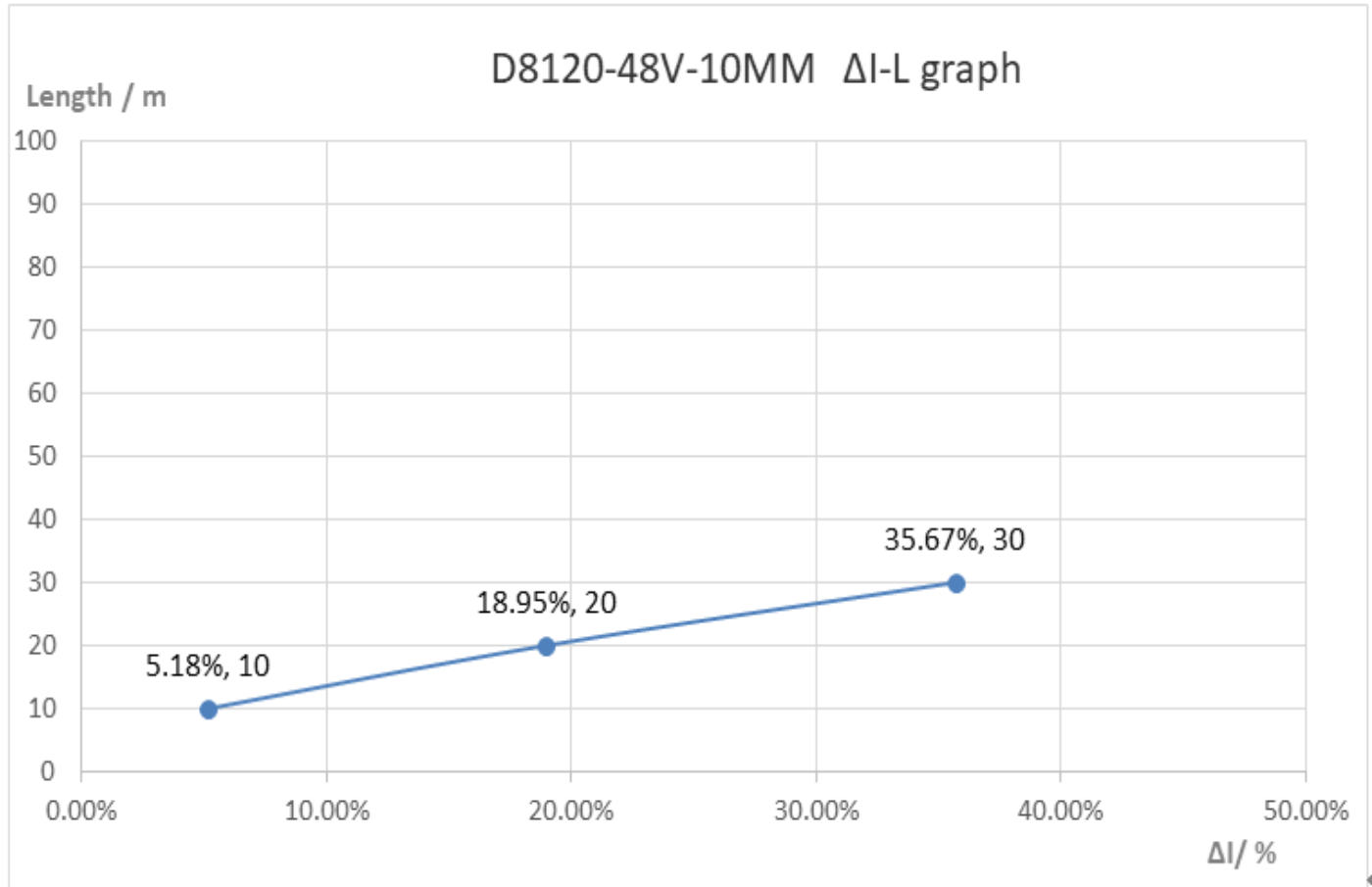
AAI Figure

※Max.length data is based on 10% voltage drop

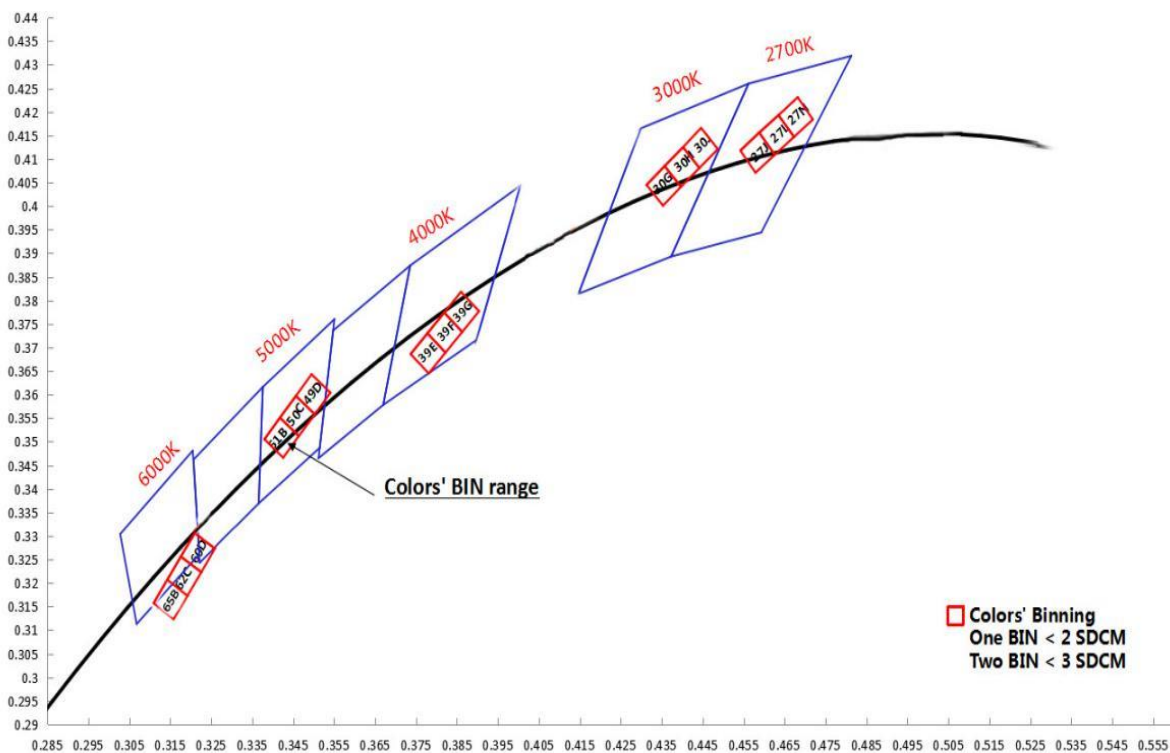
※Warranty is based on indoor use






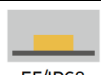
▼ I-L graph: 9.6W/m












▼ BIN





### ▼ IP Process

IP Process	Picture	description	Size	optional CCT/color for finished product	lumen output rate
NO	 NO/IP20	No proof	10mm*1.5mm	2700K/3000K/4000K/5000K/6000K	100%
NA	 NANO/IP65	Nano-proof	10mm*1.5mm	2700K/3000K/4000K/5000K/6000K	98%
ET	 ET/IP67	Extrusion tube	12mm*4.8mm	2700K/3000K/4000K/5000K/6000K	88%
EF	 EF/IP68	Extrusion filling	12mm*5mm	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
Fixed Clip		94-02-00-0003	Silicone clip, screw: PA 3*8mm, suitable for 10mm FPC,EH/EF/ET strip
Fixed Clip		94-02-00-0016	Fixed clip, transparent, 3*8mm self-tapping screws, suitable for 10mm FPC,NO/NA LED strip
Silicone end cap set		94-02-00-0022	including end cap and plug,suitable for 10mm FPC,EH/ET/EF silicone extrusion strip
Mounting groove		94-02-00-0025	Transparent PVC mounting groove,suitable for 10mm FPC,silicone extruded EF/ET strip
Stopper glue		94-16-03010001	Silicone gel,suitable for ST/ET/EH/EF/SF waterproof LED strip

DC48V Switching power supply (non- waterproof)		22-01-00-0259	Mode:LRS-350-48\Input voltage AC90-132V or AC180-264V\Output voltage DC48V\Rated current 7.3A\ Non water- proof\Non-dimming
DC48V Waterproof electronic LED driver		22-01-00-0270	Mode:HLG-480H-48B\Input voltage AC90- 305V\Output voltage DC48V\Rated current 10A\IP67\Trinity dimming

### ▼Order Code Formats

1: Category		2: LED		3: LED/m		4: Voltage		5:FPC Width		6: IP Process		7: CRI		8: CCT	
D	-	8	2835	120	120 LED	48	48V	10	10mm	NO	NO	9	>90	SW	1900K
										NA	NANO			WW	2300K
										ET	Extrusion tube			NW	2700K
										EF	Extrusion filling			DW	3000K
														W	3500K
D	-	8		120		48		10		NO		9		SW	

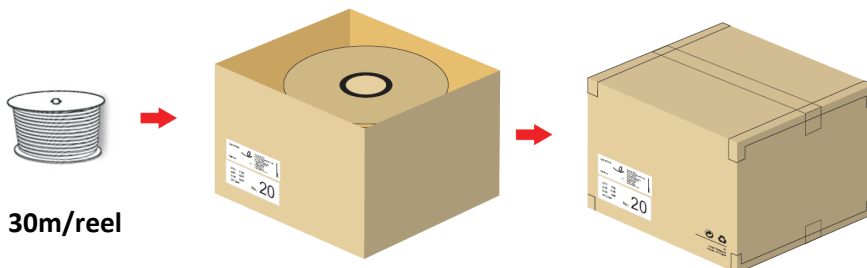
9: Silk Printing		10: Entry cable		11: Wire type		12: Wire length		13: Tape type		14: Label Type		15: Strip Length	
N	Neutral	S	Single	A	red and black cable	012	12cm	W	White 3M	C	COLORS	3000	30m
C	COLORS	D	Doubel	B	SM-male wire	020	20cm	Y	Yellow 3M	S	Customized		
S	Customized	X	Nothing	C	SM-female wire	050	50cm	R	Red tape				
				X	Nothing	100	100cm	X	Nothing				
						0	Nothing						
N		S		A		012		W		C		3000	

D81204810NO-9SWNSA012WC3000

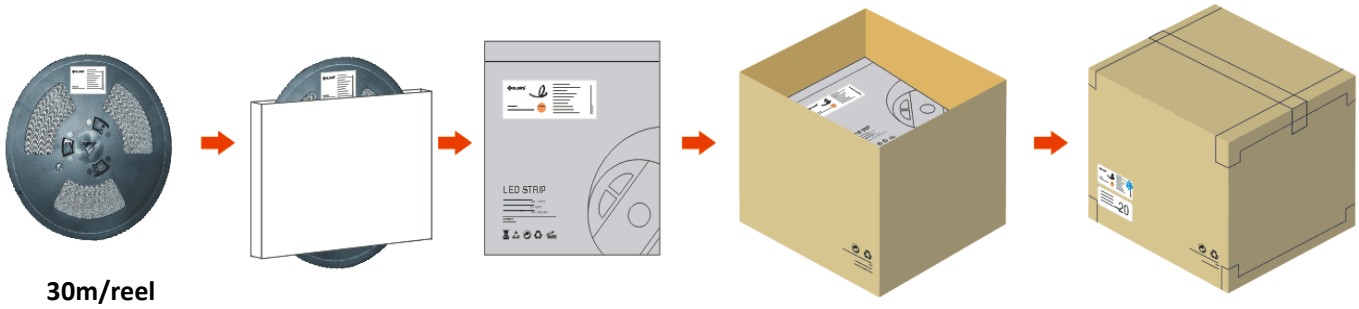
### ▼Packing

#### Engineering packaging of ET(IP67)/EF(IP68)

(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*1.5	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
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°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).