

# Specification

D6300-24V-10mm



### ▼General description

- Super-dense LED distribution of 300 LEDs/m and ultraslim thickness of 1.2mm, matching profiles better
- Self-encapsulated design offers five optional 2700-6000K white lights, CRI 90
- With life span over 36000H
- Ta: -25~40°C; Tc: 75°C (max)



### ▼Dimension

※Max.length: 5000mm

Cutting unit: 6leds/20mm

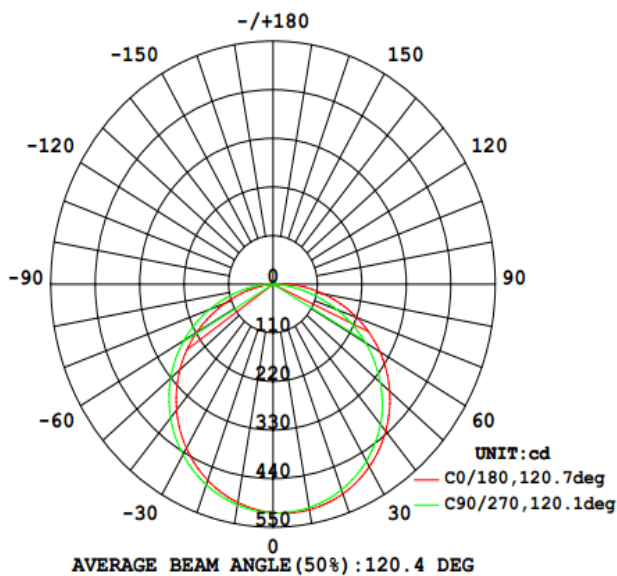
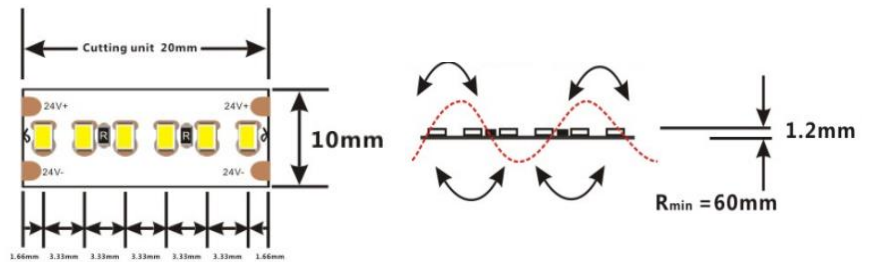
LED pitch: 3.33mm

Min. bend diameter: Φ60mm

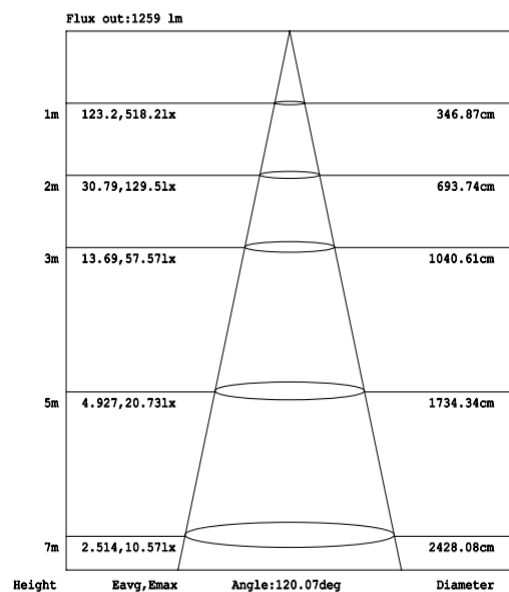
Mounting: 3M tape

IP: IP20/IP65/IP55/IP67

※Warranty: 5years



Photometric of 1M strip



AAI Figure

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

※Warranty is based on indoor use

### ▼ Electronic & output data

Input voltage: DC24V

Rated current: 0.9A(1m) /4.2A(5m)

Typical Power: 21.6W(1m)/ 100W(5m)

CRI: >90

Max.power: 24W

On-off times: 10000 (test times)

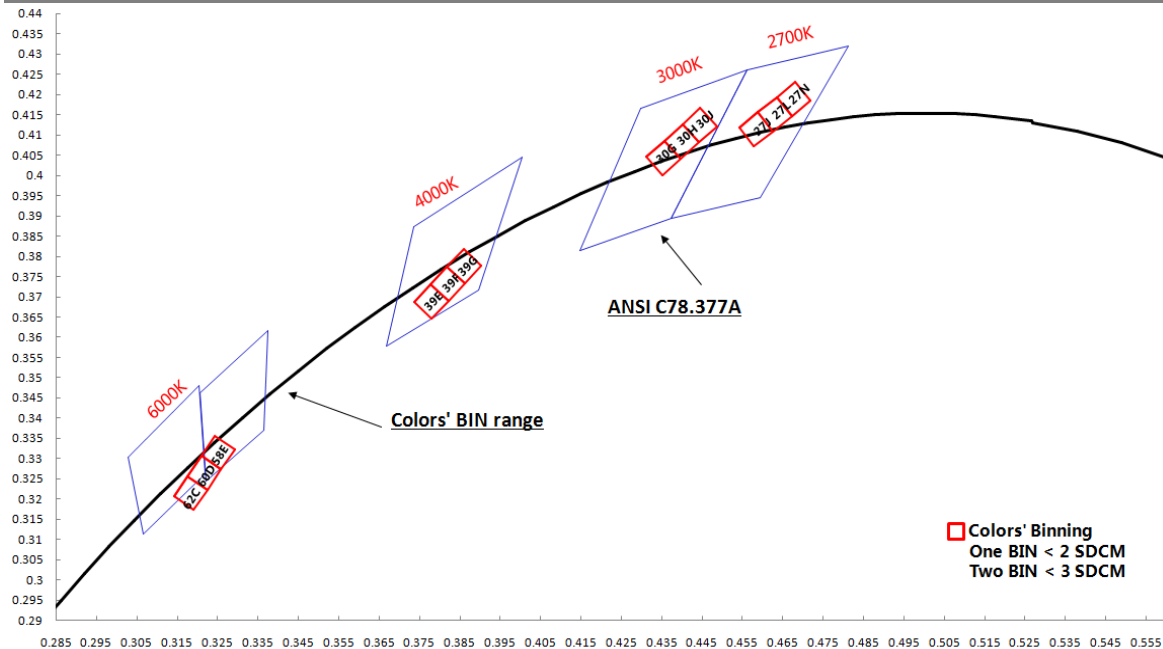
Power range: 19.8 ~ 24W

Copper foil: 2oz

CRI	Color	CCT	Lumen(lm)	lm/W	Energy efficiency class
Ra>90	SW	2700K	1510	70	A
Ra>90	WW	3000K	1620	75	A
Ra>90	NW	4000K	1720	80	A
Ra>90	W	6000K	1720	80	A


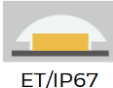
- 1.The tolerance of output data can be vary up to 15%
- 2.the output data tested according to IES TM-30-15
- 3.the output data is based on IP20/1merter, data of 5m in only for reference
- 4.IP protection process leads changes to size, CCT and luminous flux

### ▼ BIN













### ▼ IP Process

IP Process	Picture	description	Size	optional CCT/color for finished product	lumen output rate
NO		No proof	10mm*1.2mm	2700K/3000K/4000K/6000K	100%
NA		Nano-proof	10mm*1.2mm	2700K/3000K/4000K/6000K	98%

SG	 SG/IP55	Gel coating	10mm*2.8mm	3000K/3500K/5000K/12000K	90%
ET	 ET/IP67	Extrusion tube	12mm*4.8mm	2700K/3000K/4000K/6000K	88%

### ▼ 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		94-02-00-0018	Fixed clip, transparent, 3*8mm self-tapping screws, suitable for 10mm FPC,NO/NA LED strip
Fixed Clip		94-02-00-0016	Fixed clip, transparent, 3*8mm self-tapping screws, suitable for 10mm FPC, SG LED strip
Fixed Clip		94-02-00-0003	Silicone clip, screw: PA 3*8mm, suitable for 10mm FPC,EH/EF/ET 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
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

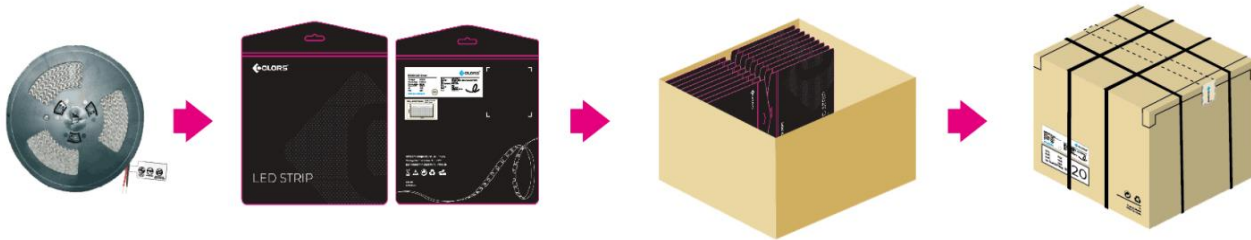
## ▼ Order Code Formats

1: Category		2: LED		3: LED/m		4: Voltage		5:FPC Width		6: IP Process		7: CRI		8: CCT	
D	-	6	2216	300	300 LED	24	24V	10	10mm	NO	NO	9	> 90	SW	2700K
										NA	NANO			WW	3000K
										SG	Gel coating			NW	4000K
										ET	Extrusion tube			W	6000K
D	-	6		300		24		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	0500	5m		
C	COLORS	D	Doubel	B	SM-male wire	020	20cm	Y	Yellow 3M	S	Customized	5000	50m		
S	Customized	X	Nothing	C	SM-female wire	050	50cm	R	Red tape			4000	40m		
				X	Nothing	100	100cm	X	Nothing						
						0	Nothing								
N		S		A		012		W		C		0500			

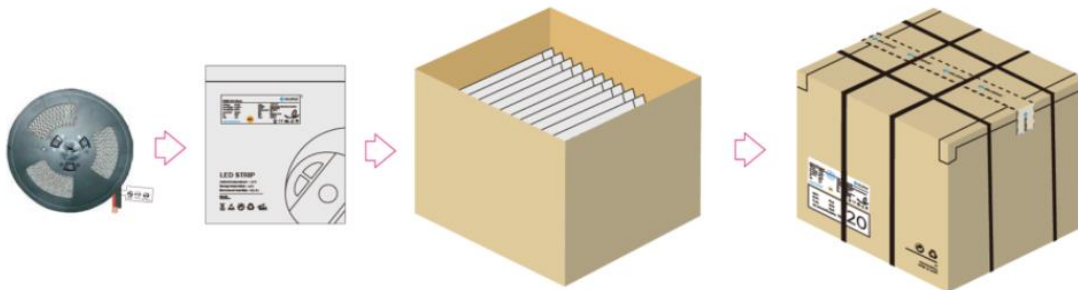
D63002410NO-9SWNSA012WC0500

## ▼ Packing

### Colors brand package



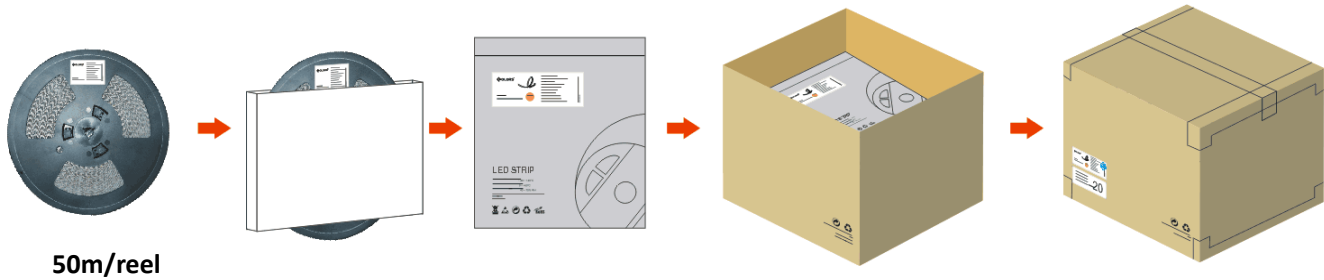
### General customized package



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*10*1.2	5	250	0.143	7.15	8.223	41*41*26
NA	5000*10*1.2	5	250	0.146	7.3	8.4	41*41*26
SG	5000*10*2.8	5	250	0.234	11.7	13.455	41*41*26
ET	5000*12*4.8	5	200	0.493	19.72	22.678	41*41*26

Remark: data with 10% tolerance

**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*10*1.2	50	500	1.43	14.3	16.445	41*41*26
NA	50000*10*1.2	50	500	1.46	14.6	16.79	41*41*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°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).