# Specification

## D6120-24V-4mm

UL LISTED c us
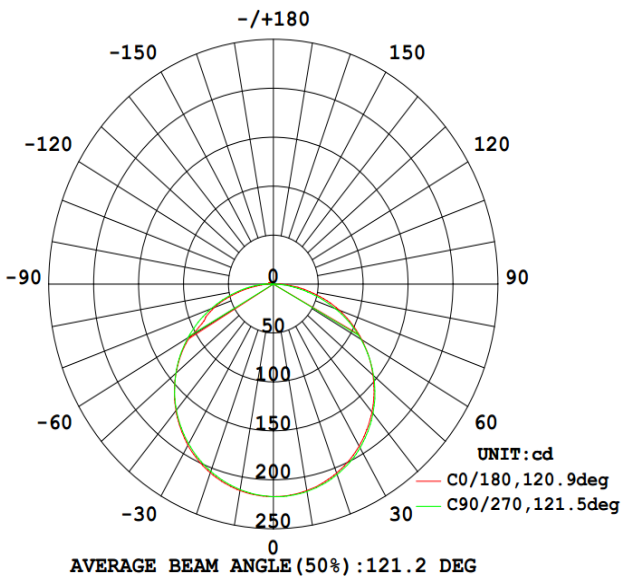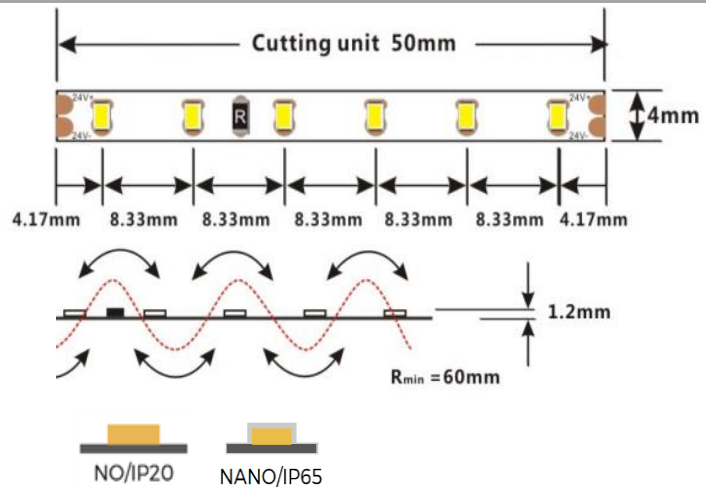E498657

CE

RoHS

ISO 9001 QUALITY ASSURED FIRM SGS

# ▼General description

●Super slim width with board width only 4mm,Ultra-slim thickness of 1.2mm, matching profiles better

●Self-encapsulated design offers five optional 2700-6000K white lights

●With life span over 36000H

●Ta: -25~40℃；Tc：75℃（max)

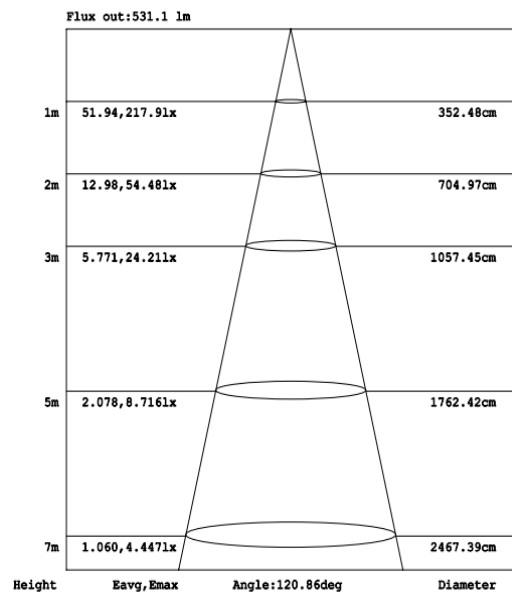# ▼Dimension

※Max.length： 5000mm

Cutting unit： 6leds/50mm

LED pitch： 8.33mm

Min. bend diameter：Φ60mm

Mounting： 3M tape

IP： IP20/IP65

※Warranty： 5years

Cutting unit 50mm

4.17mm 8.33mm 8.33mm 8.33mm 8.33mm 8.33mm 4.17mm

4mm

1.2mm

R min =60mm

NO/IP20    NANO/IP65

UNIT:cd
— C0/180,120.9deg
— C90/270,121.5deg

AVERAGE BEAM ANGLE(50%):121.2 DEG

Photometric of 1M strip

Flux out:531.1 lm

| Height | Eavg,Emax | Angle:120.86deg | Diameter |
|---|---|---|---|
| 1m | 51.94,217.91x | | 352.48cm |
| 2m | 12.98,54.481x | | 704.97cm |
| 3m | 5.771,24.211x | | 1057.45cm |
| 5m | 2.078,8.7161x | | 1762.42cm |
| 7m | 1.060,4.4471x | | 2467.39cm |

AAI Figure

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

※Warranty is based on indoor use

![COLORS Linear Lighting logo]

# ▼ Electronic & output data

| | | | | |
|---|---|---|---|---|
| Input voltage: | DC24V | | Rated current: | 0.36A(1m) /1.4A(5m) |
| Typical Powe: | 8.6W(1m) /33.6W(5m) | | CRI: | >90 |
| Max.power: | 9.6W | | On-off times: | 10000 (test times) |
| Power range: | 7.9～9.3W | | Copper foil: | 2oz |

| CRI | Color | CCT | Lumen(lm) | lm/W | Energy efficiency class |
|---|---|---|---|---|---|
| Ra>90 | SW | 2700K | 600 | 70 | A |
| Ra>90 | WW | 3000K | 670 | 78 | A |
| Ra>90 | NW | 4000K | 710 | 82 | A |
| Ra>90 | W | 6000K | 710 | 82 | 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
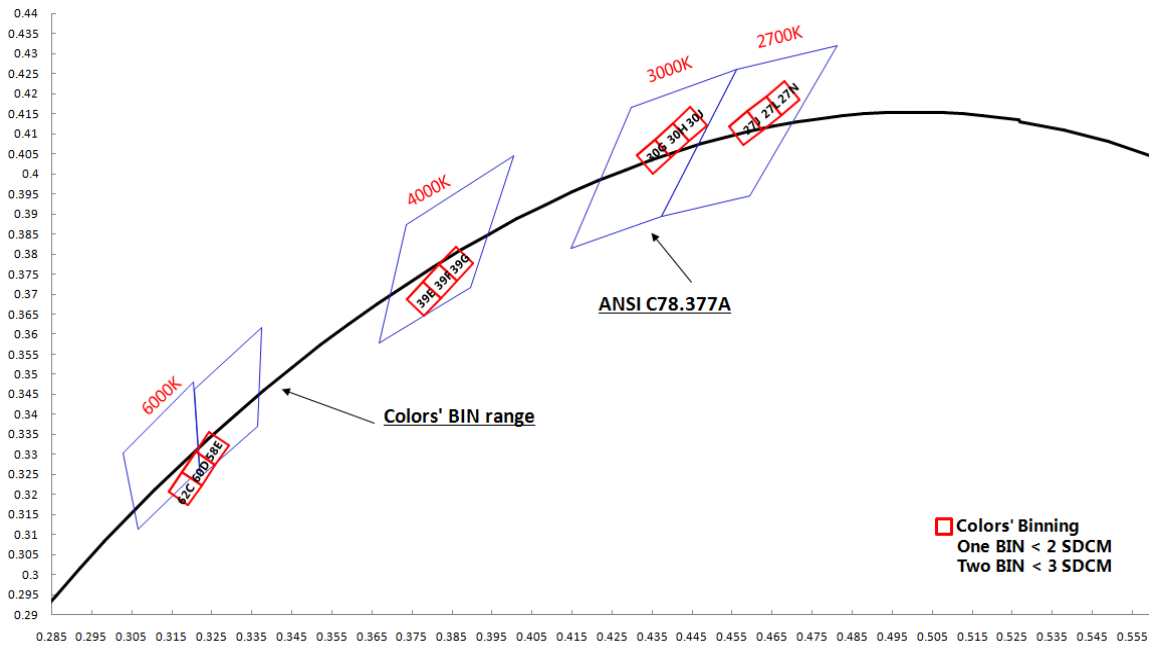


# ▼ IP Process

| IP Process | Picture | description | Size | optional CCT/color for finished product | lumen output rate |
|---|---|---|---|---|---|
| NO | NO/IP20 | No proof | 4mm*1.2mm | 2700K/3000K/4000K/6000K | 100% |
| NA | NANO/IP65 | Nano-proof | 4mm*1.2mm | 2700K/3000K/4000K/6000K | 98% |

# ▼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 | 120 | 120 LED | 24 | 24V | 04 | 4mm | NO | NO | 9 | > 90 | SW | 2700K |
| | | | | | | | | | | NA | NANO | | | WW | 3000K |
| | | | | | | | | | | | | | | NW | 4000K |
| | | | | | | | | | | | | | | W | 6000K |
| D | - | 6 | | 120 | | 24 | | 04 | | NO | | 9 | | SW | |

| 9：Silk Printing | | 10：Entery 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 | X | Nothing | | | 4000 | 40m |
| | | | | X | Nothing | 100 | 100cm | | | | | | |
| | | | | | | 0 | Nothing | | | | | | |
| | N | | S | | A | | 012 | | W | | C | | 0500 |

D61202404NO-9SWNSA012WC0500

# ▼Packing

**Colors brand package**
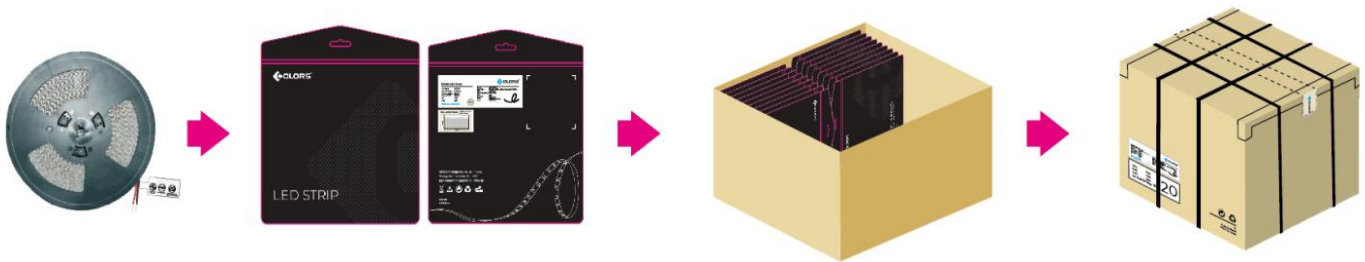


**General customized package**
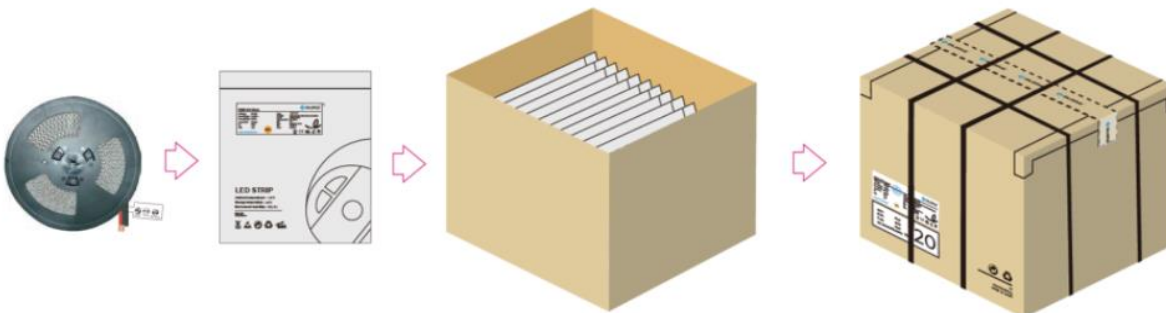
| IP Process | Product size(mm) | Product quantity (m/reel) | Product quantity (m/case) | Product net weight(kg) | Net weight per box (kg) | Gross weight (kg) | Package size (cm) |
|---|---|---|---|---|---|---|---|
| NO | 5000*8*1.5 | 5 | 400 | 0.078 | 6.24 | 7.176 | 41*41*26 |
| NA | 5000*8*1.6 | 5 | 400 | 0.082 | 6.56 | 7.544 | 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℃~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).