

Specification

DS980-24V-10mm



▼ General description

- OSRAM 3030LED ,SCDM ≤ 3
L80 (B10) $\geq 60000\text{H}$
- 5 years warranty@ $t_a \leq 85^\circ\text{C}$
3 years warranty@ $t_a \leq 100^\circ\text{C}$
- High temperature and high storage condition,
 $T_a: -40 \sim 100^\circ\text{C}$; $T_c : 100^\circ\text{C}$ (max)
- apply to bathroom , sauna ,



▼ Dimension

※Max.length : 5000mm

Cutting unit : 8leds/100mm

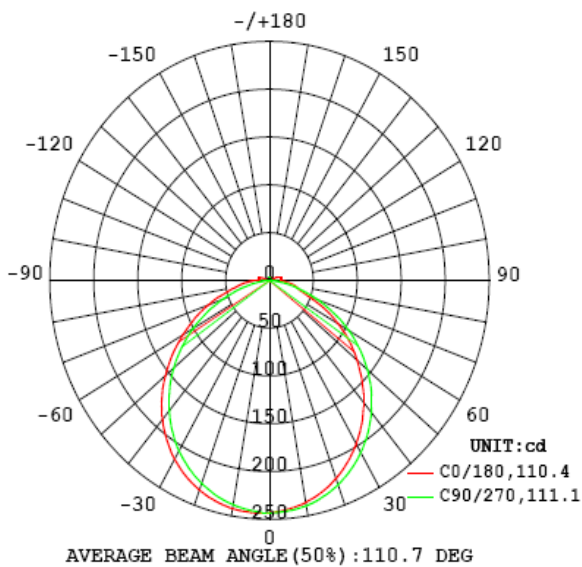
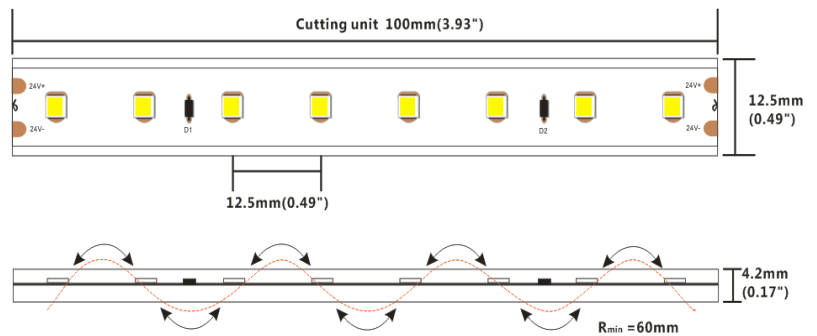
LED pitch : 12.5mm

Min. bend diameter : $\Phi 60\text{mm}$

Mounting : PVC clip/silicone clip

IP : IP65

※Warranty : 5years



Photometric of 1M strip

| Height | Eavg, Emax | Angle: 110.41deg | Diameter |
|--------|-----------------|------------------|-----------|
| 1m | 72.99, 243.01x | | 287.81cm |
| 2m | 18.25, 60.751x | | 575.63cm |
| 3m | 8.110, 27.001x | | 863.44cm |
| 4m | 4.562, 15.191x | | 1151.26cm |
| 5m | 2.920, 9.7211x | | 1439.07cm |
| 6m | 2.028, 6.7501x | | 1726.89cm |
| 7m | 1.490, 4.9601x | | 2014.70cm |
| 8m | 1.141, 3.7971x | | 2302.51cm |
| 9m | 0.9011, 3.0001x | | 2590.33cm |
| 10m | 0.7299, 2.4301x | | 2878.14cm |

AAI Figure

※Max.length data is based on the same brightness from tail to begin

※Warranty is based on indoor use

▼ Electronic & output data

Input voltage : DC24V

Rated current : 0.2A(1m) /1A(5m)

Typical Powe : 4.8W(1m) /24W(5m)

CRI : 80/90

Max.power : 5W

On-off times : 10000 (test times)

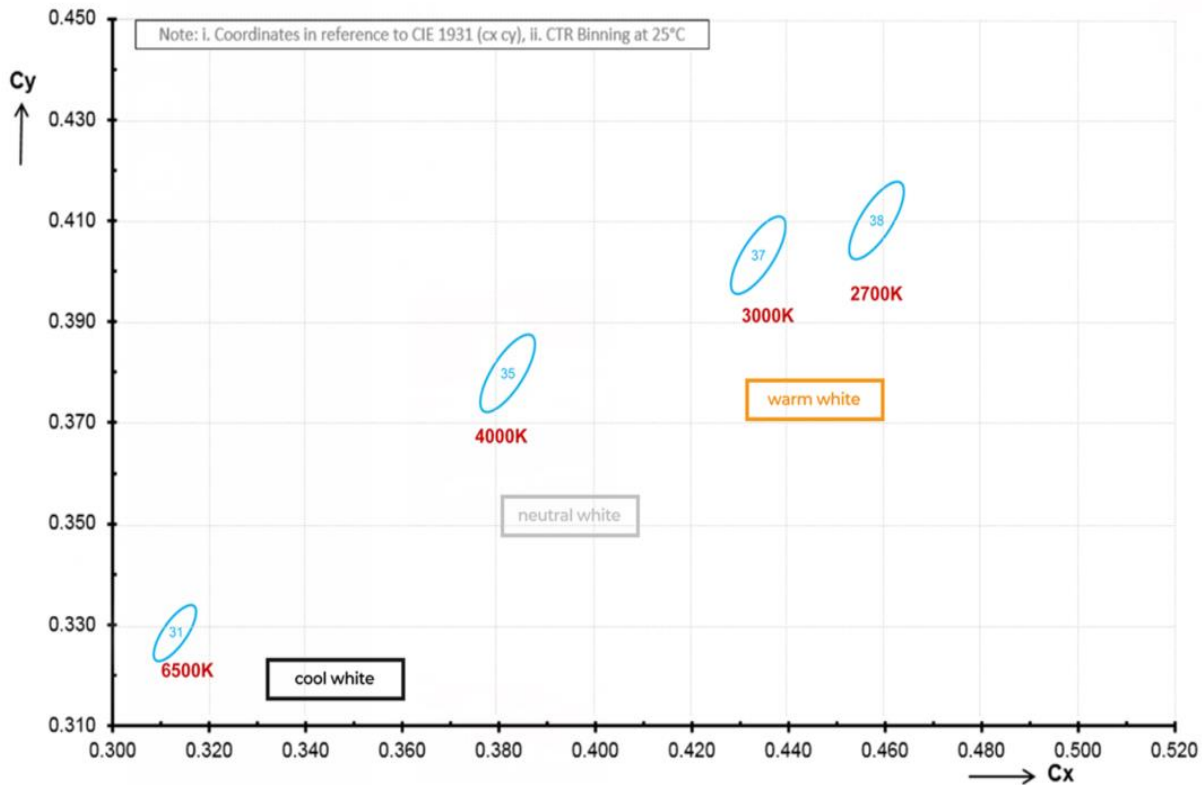
Power range : 4.3 ~ 5W

Copper foil : 3oz






| CRI | Color | CCT | Lumen(lm) | lm/W | Energy efficiency class |
|-------|-------|-------|-----------|------|-------------------------|
| Ra>80 | SW | 2700K | 690 | 144 | A++ |
| Ra>80 | WW | 3000K | 720 | 150 | A++ |
| Ra>80 | NW | 4000K | 745 | 155 | A++ |
| Ra>80 | W | 6500k | 705 | 147 | A++ |
| Ra>90 | SW | 2700K | 540 | 113 | A++ |
| Ra>90 | WW | 3000K | 545 | 114 | A++ |
| Ra>90 | NW | 4000K | 600 | 125 | 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 IP65/1merter , data of 5m in only for reference

▼ BIN



▼ Accessories Information

| Name | Picture | Code | description |
|---------------------------|---|----------------|--|
| PVC Clip |  | 24-04-00-0136 | PVC clip , screw : M3*12MM suitable for 10mm FPC , IP65 waterproof strip |
| Fixed Clip |  | 94-02-00-0004 | silicone clip , screw : PA 3*8mm suitable for 10mm FPC , IP66 waterproof strip |
| No silicone hole plug |  | 94-02-00-0009 | Silicone end cap without hole ,suitable for 10mm FPC , IP65 waterproof strip |
| Silicone single hole plug |  | 94-02-00-0012 | Silicone end cap without hole,suitable for 10mm FPC , IP65 waterproof single color strip |
| Stopper glue |  | 94-16-03010001 | silicone gel suitable for IP65 and IP67 LED strip |

▼ Order Code Formats

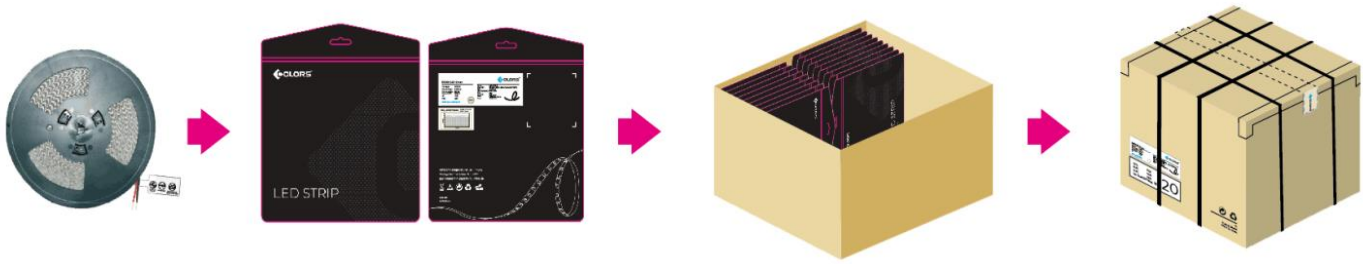
| 1 : Category | | 2 : LED | | 3 : LED/m | | 4 : Voltage | | 5:FPC Width | | 6 : IP Process | | 7 : CRI | | 8 : CCT | |
|--------------|---|---------|------|-----------|--------|-------------|-----|-------------|------|----------------|---------------|---------|------|---------|-------|
| DS | - | 9 | 3030 | 80 | 80 LED | 24 | 24V | 10 | 10mm | ST | Silicone tube | 8 | > 80 | SW | 2700K |
| | | | | | | | | | | NA | NANO | 9 | > 90 | WW | 3000K |
| | | | | | | | | | | | | | | NW | 4000K |
| | | | | | | | | | | | | | | W | 6500K |
| DS | - | 9 | | 80 | | 24 | | 10 | | ST | | 8 | | 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 | 050 | 50cm | X | Nothing | C | COLORS | 0100 | 1m |
| C | COLORS | D | Doubel | | | 012 | 12cm | | | S | Customized | 0200 | 2m |
| S | Customized | X | Nothing | | | 020 | 20cm | | | | | 0250 | 2.5m |
| | | | | | | | | | | | | 0500 | 5m |
| N | | S | | A | | 050 | | X | | C | | 0100 | |

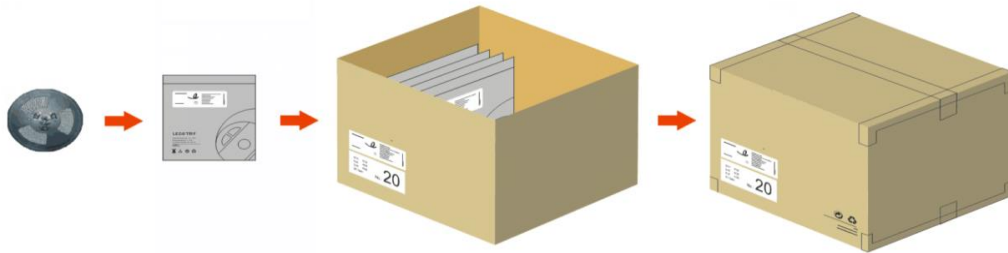
DS9802410ST-8SWNSA050XC0500

▼ 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 (mm) |
|------------|------------------|----------------------------|---------------------------|------------------------|-------------------------|-------------------|-------------------|
| NA+ST | 5000*12.5*4.2 | 5 | 250 | 0.3 | 15 | 17.25 | 410*410*260 |
| | | | | | | | |

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 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).