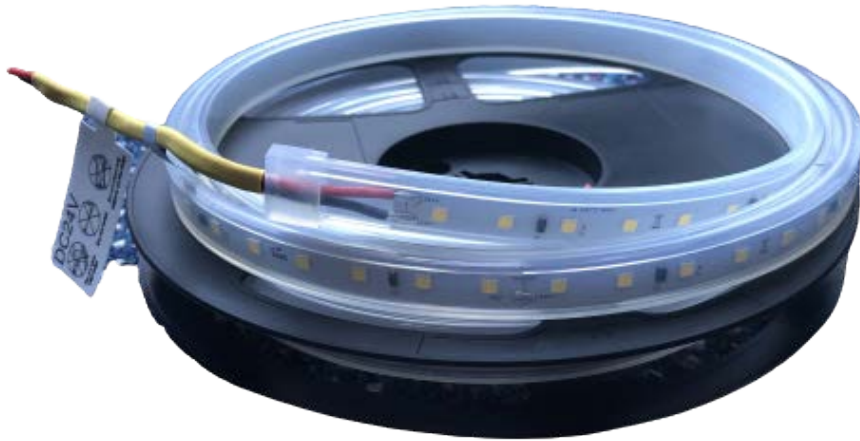




Specification Sheet

High Temperature and Heat Resistant Special LED Strip

-40° ~ +100°C
or
(-40° ~ +212°F)

24V-4.8W-12mm



▼ 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@ $t_a \leq 100^\circ\text{C}$, $T_a: -40 \sim 100^\circ\text{C}$; $T_c: 120^\circ\text{C}$ (max) .
- Apply to bathroom, sauna, steam rooms, boiler rooms.



▼ Dimension

※ Max.length: 5000mm

Cutting unit: 8leds/100mm

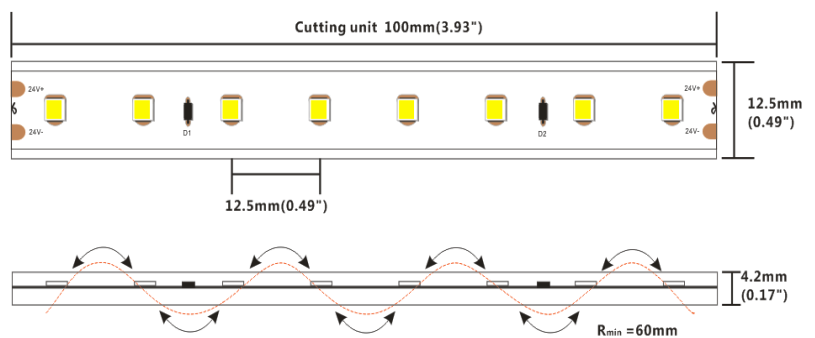
LED pitch: 12.5mm

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

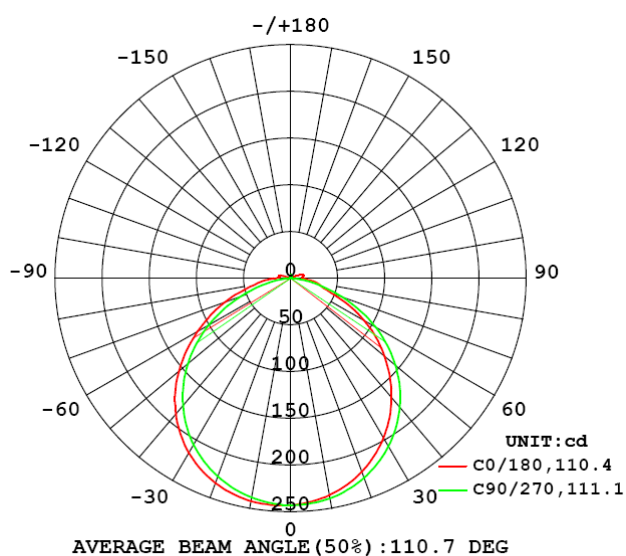
Mounting: PVC clip/silicone clip/Extrusion

IP: IP65

※ Warranty: 5years@ $t_a \leq 85^\circ\text{C}$



NAST(IP65)



Photometric of 1M strip

Height	Eavg, Emax	Angle: 110.41deg	Diameter
1m	72.99, 243.01lx		287.81cm
2m	18.25, 60.751lx		575.63cm
3m	8.110, 27.001lx		863.44cm
4m	4.562, 15.191lx		1151.26cm
5m	2.920, 9.7211lx		1439.07cm
6m	2.028, 6.7501lx		1726.89cm
7m	1.490, 4.9601lx		2014.70cm
8m	1.141, 3.7971lx		2302.51cm
9m	0.9011, 3.0001lx		2590.33cm
10m	0.7299, 2.4301lx		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 Power: 4.8W(1m) /24W(5m)

CRI: 80/90

Max.power: 5W/m

On-off times: 10000 (test times)

Power range: 4.3 ~ 5W/m

Copper foil: 3oz

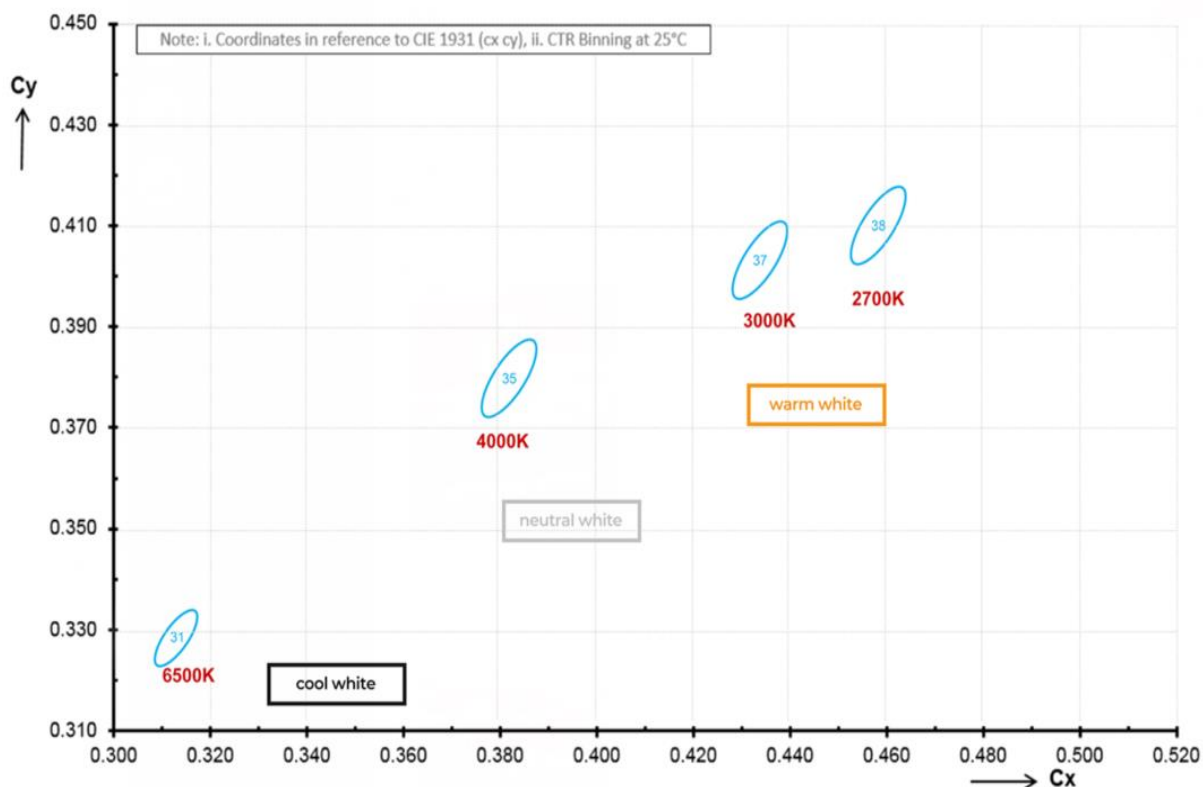
CRI	Colour	CCT	Lumen(lm)	lm/W	Energy efficiency class
Ra>80	SW	2700K	690	144	A++
Ra>80	WW	3000K	720	150	A++
Ra>80	NW	4000K	745	155	A++
Ra>80	W	6500k	705	147	A++
Ra>90	SW	2700K	540	113	A++
Ra>90	WW	3000K	545	114	A++
Ra>90	NW	4000K	600	125	A++

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

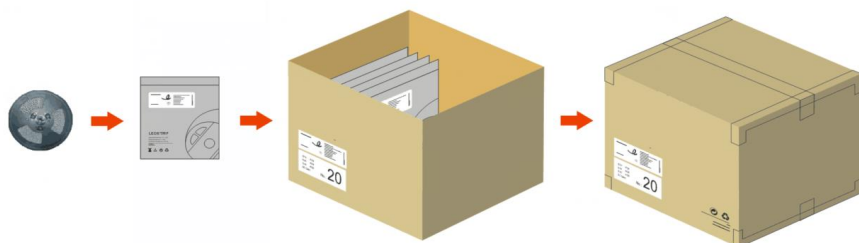


▼ Accessories Information

Name	Picture	Code	Description
PVC Extrusion 1M in length		04-00-0136	PVC clip, screw: M3*12MM suitable for 10mm FPC, IP65 waterproof strip. For use up to 65°C only.
Fixed Clips in silicon with screws		02-00-0003	Silicone clip, screw: PA 3*8mm suitable for 10mm FPC, IP66 waterproof strip. For use up to 150°C.
Silicon End Cap without hole		02-00-0009	Silicone end cap without hole ,suitable for 10mm FPC, IP65 waterproof strip
Silicon End Cap with hole		02-00-0012	Silicone end cap without hole, suitable for 10mm FPC, IP65 waterproof single colour strip
Stopper glue		6-03010001	Silicone gel suitable for IP65 and IP67 LED strip

▼ Packing

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)
NAST	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: -40°C~85°C.Storage temperature: 0°C~85°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).

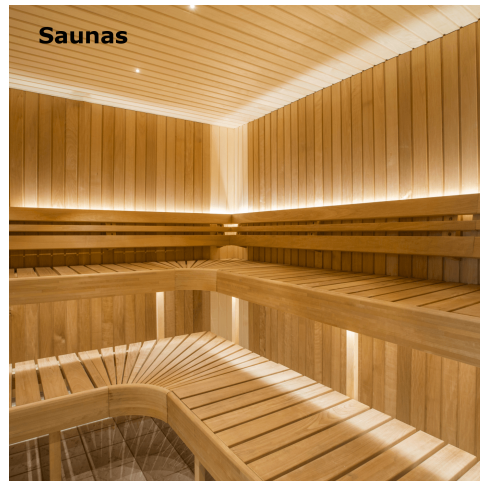
- ▼ View of the strip before and after it's put inside the optional plastic extrusion. This extrusion is only suitable for use to a temperature of 65°C, and not beyond.



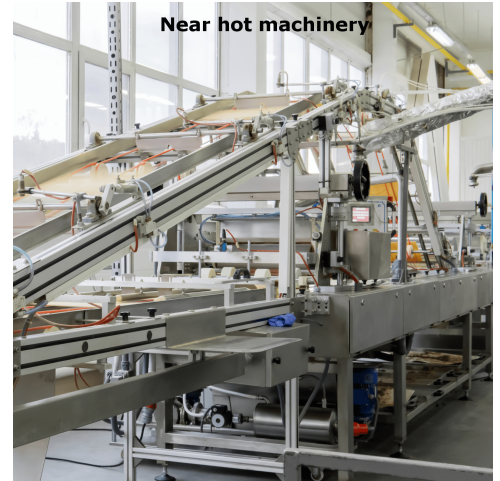
- ▼ We show how the Silicon Fixing Clips look when placed over the strip. Take care to ensure the clips are put between the LEDs to maximize brightness. These silicon clips can be used in temperatures of up to 150°C.



▼ Application Examples to show it is fit for purpose



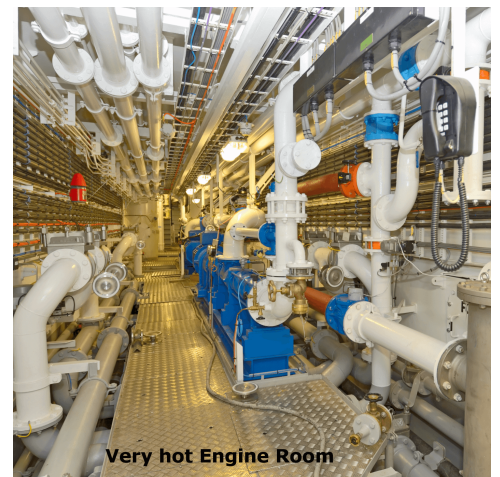
Saunas



Near hot machinery



Bathrooms



Very hot Engine Room



Turkish Baths



Heated swimming pools