

LED FLEXIBLE STRIP LIGHT-GROWSTRIP PRODUCT SERIES DATASHEET



LED Flexible Grow Strip Light



88Light LED Flexible Grow Strip light- is ideal for plantation. With the 3M adhesive backing, the Strip can be mounted easily anywhere. The brightness of one meter strip is equal to that of 60W halogen lamp. Low power, low voltage and low heat ensure high security.

Applications:



Nursery garden



Breeding room



Plantation

PRODUCT FEATURES

- Lightweight and slim, suitable for small spaces.
- Flexible, easy to bend into a variety of shapes.
- High quality single color, high brightness, low luminance decay SMD Chip.
- A variety of WL for option 620nm, 650nm, 660nm, 440nm, 450nm and 460nm.
- Trimmable each 6 LEDs (24v).
- 24V dc low voltage, low power consumption, low heat, higher security.
- Long life over 30,000 hours with free maintenance.
- Allow frequent on off.
- 3M adhesive backing for easy installation.
- Working temperature: -20 ~ +40°C

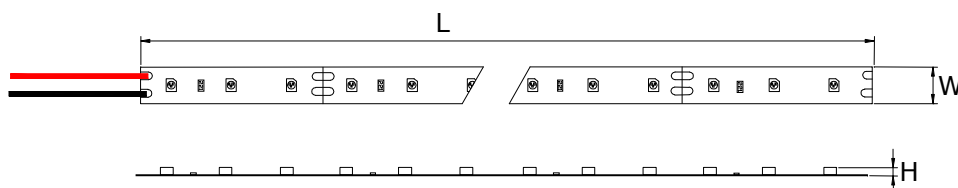


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PRODUCT DIAGRAM

IP20



Product Name ^{2,3,4,5}	Length ¹	Width	Height
88L-LS-5050-60-N-GR	5000mm	10mm	2.6mm
88L-LS-5050-120-N-GR	5000mm	15mm	2.6mm

Note 1: The dimension of the strips doesn't change with the LED color, or LED number/5m.

Note 2: N means IP20, naked FPC board.

Note 3: DF means IP64; it's dropped glue FPC board, if there is it.

Note 4: SF means IP65; it's closed in PC/Silicon Tube, if there is it.

Note 5: GF means IP67, it's closed in PC/ Silicon Tube and Full filled with glue, if there is it.

TECHNICAL DATA

Electrical data ⁶:

Product Name ⁷	Input Voltage [Vdc]	Base	Chip	Dimmable [Y/N]	LED Qty [LED/m]	IP grade
88L-LS-5050-60-N-GR	24V	Power cable	5050	Y	60	IP20
88L-LS-5050-120-N-GR	24V	Power cable	5050	Y	120	IP20

Note 6: Absolute ratings @ 25°C.

Note 7: LED qty is total qty.

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TECHNICAL DATA

Optical Characteristics:

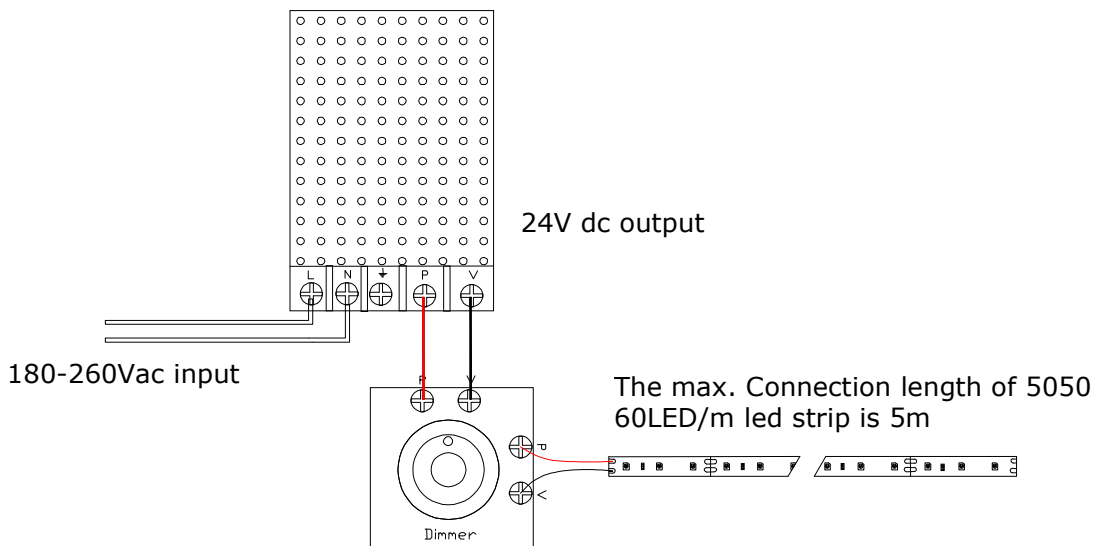
Product Name	Color	Wave Length(R&B)	Power [w/m]	Luminous ⁸ [lm/m]	Beam Angle [°]	CRI [Ra]
88L-LS-5050-60-N-GR1	R:B=4:1	620:465	14.4W	480	120	---
88L-LS-5050-60-N-GR2	R:B=4:1	630:460	14.4W	480	120	---
88L-LS-5050-60-N-GR3	R:B=4:1	660:450	14.4W	480	120	---
88L-LS-5050-120-N-GR1	R:B=4:1	620:465	28.8W	960	120	---
88L-LS-5050-120-N-GR2	R:B=4:1	630:460	28.8W	960	120	---
88L-LS-5050-120-N-GR3	R:B=4:1	660:450	28.8W	960	120	---

Note 6: Absolute ratings @ 25°C

Note 8: Tolerance of measurement of luminous intensity±15%.

PRODUCT INSTALLATION

Electrical diagram and mounting drawing.

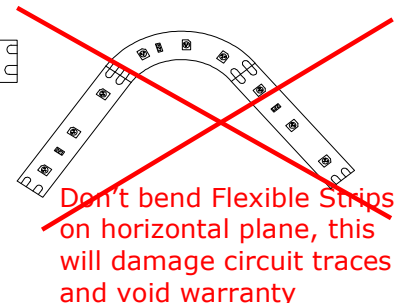
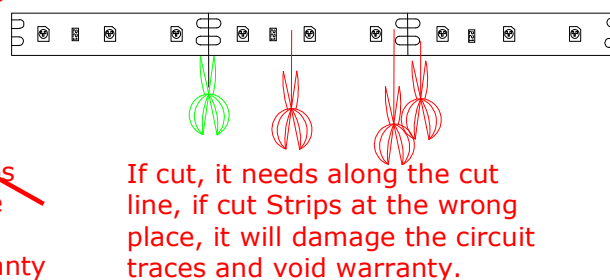
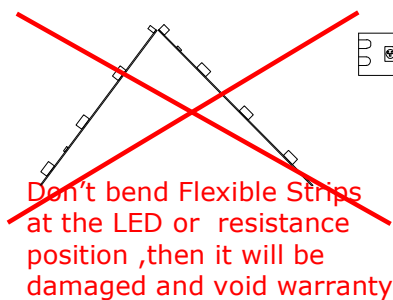


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SAFETY

1. **Always** consult a qualified, licensed electrician prior to the installation of this product.
2. **Always** pre-test your strip light assembly by connecting the strip to a power supply and ensure that all components are joined properly before installing.
3. It is recommended that adequate airflow and heat sink be taken into account in the application and installation of this product. Improper thermal management may lead to premature failure.
4. Exceeding the operating temperature values may damage LED chips by reducing the lamp life and lumen output, and impact color consistency.
5. Avoid voltage drop by using a dedicated line for each maximum power consumption line, because voltage drop will cause brightness drop.
6. This product should only be cut at "cut points," if it's cut at the wrong place, then some LED will not work.
7. "Voltage drop" is a gradual lessening of power through a wire over a long distance. The farther the light is away from the power source, the more voltage drop will occur. Voltage drop becomes a significant factor in any LED light application when the distance between the lights and the power source is greater than 15 feet (It's about 15m for 3528 60LED, but its 10m for 3528 120LED). Consult a licensed electrician and an online voltage drop calculator to learn what gauge wire will work best for your configuration.
8. The manufacturer rates each power supply for maximum power output at optimum thermal and voltage conditions. As with any power supply, true actual maximum continuous current output depends upon various environmental factors such as ambient temperature, line voltage fluctuations, and orientation that may affect heat dissipation. For optimum performance, make sure the load is between 50% and 80% of the total capacity of the power supply.
9. LED products are continuously being improved upon in ever-shortening manufacturing cycles. LED color temperature (kelvin), lumen output, and product appearance can change from order to order. Please note that variation in color temperature (kelvin) is commonly +/- 250k and brightness (lumens) is +/- 10%.



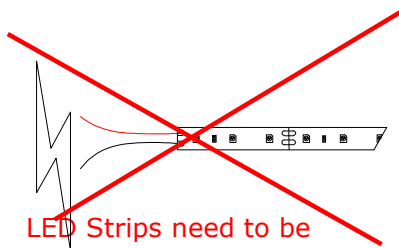
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SAFETY

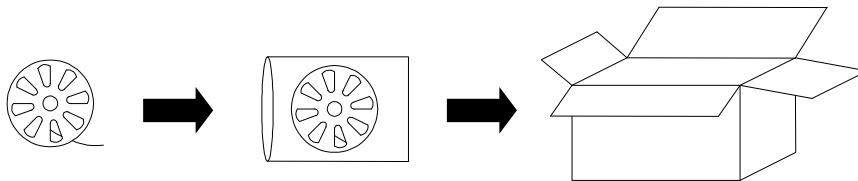


IP20 and IP64 Strip can't be used underwater or in wet place, or it will be void warranty.



LED Strips need to be connected to the correct voltage. Or it will be damaged and void warranty

PACKING ⁹



Product Name	Pcs/box	Box dimensions	Gross Weight	Net Weight
88L-LS-5050-60-N-GR	100R/Box	51x38x28cm	12Kg	9Kg
88L-LS-5050-120-N-GR	50R/Box	51x38x28cm	12Kg	9.5Kg

Note 9: the default package info is only for reference.

OTHER 88Light PRODUCTS:

For more information about 88Light products, or to use our online energy saving calculation software please visit our website

www.88light.com

DISCLAIMER:

88Light reserves the right to modify the design of our products as part of the company's program of continuous improvement. 88Light cannot guarantee to match existing installed product for subsequent orders or replace the product exactly to match the product you are replacing in product appearance, color, or brightness. Specifications are subject to change without notice.