



# DOT-FREE LIGHTING

## Super high efficiency solution

### LINEAR LUMINOUS

### WATERPROOF IP67

### UP TO 145LM/W



DIMMABLE



FLAME  
RESISTANT



SOLVENT  
RESISTANT



SALTWATER  
RESISTANT

[www.TigerPowerSupplies.com](http://www.TigerPowerSupplies.com)



UV  
RESISTANT



130°



DC 24V




5 YEARS

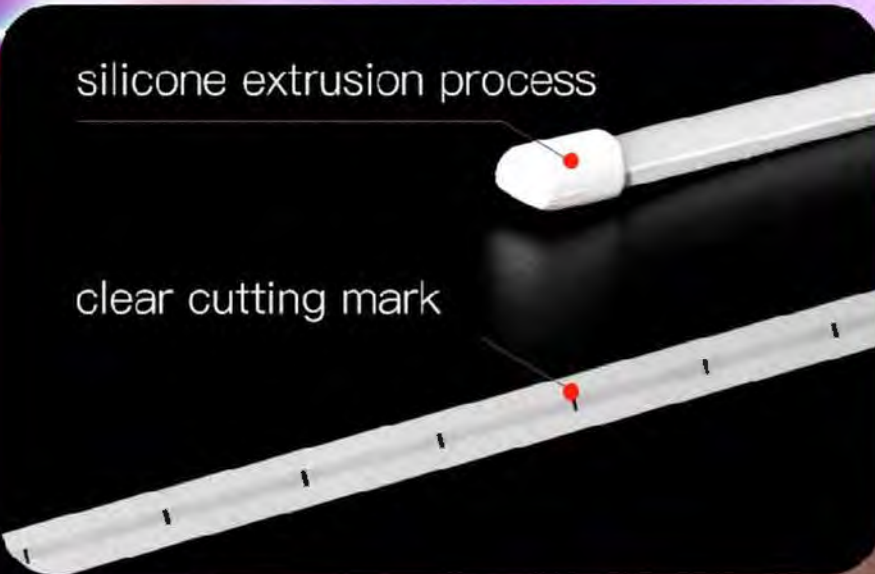


# Innovative new generation SMD LED strip

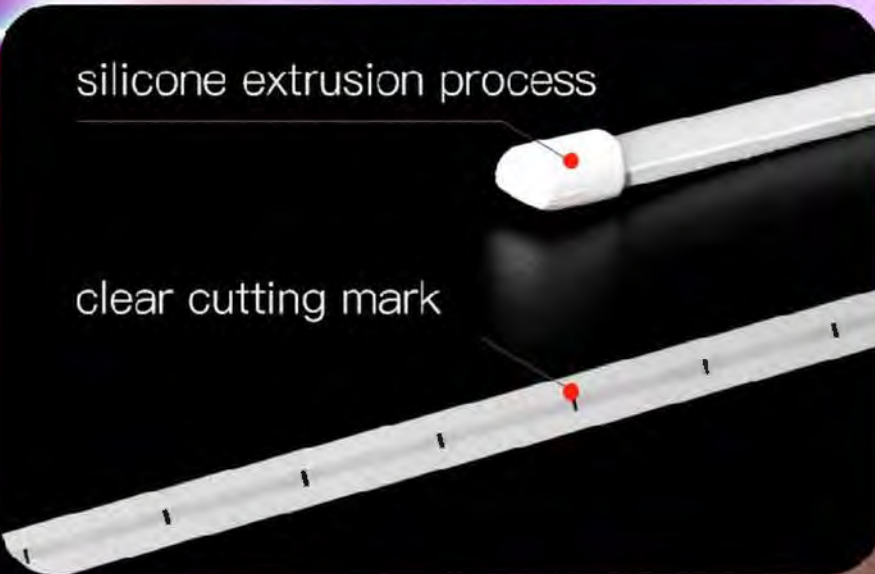
high density 2025 SMD

A close-up photograph of a white LED strip. A red dot is placed on the strip, with a thin white line pointing to it from the text "high density 2025 SMD". The strip is curved, and the background is dark.

anti corrosion, anti UV

A close-up photograph of a white LED strip. A red dot is placed on the strip, with a thin white line pointing to it from the text "clear cutting mark". The strip is straight, and the background is dark.

silicone extrusion process

A close-up photograph of a white LED strip. A red dot is placed on the strip, with a thin white line pointing to it from the text "clear cutting mark". The strip is straight, and the background is dark.

clear cutting mark

A close-up photograph of a white LED strip. A red dot is placed on the strip, with a thin white line pointing to it from the text "clear cutting mark". The strip is straight, and the background is dark.



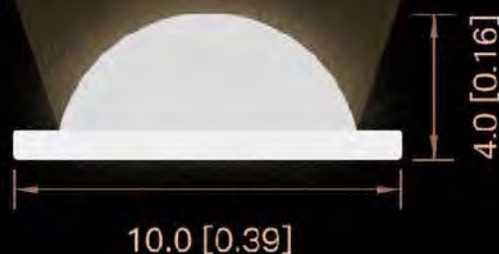
Ultra-small size  
Optional in 10/6mm width

Single color 2700K-6000K

6mm Width Tiger IP67

10mm Width Tiger IP67

Unit: mm [inch]





#### FEATURES

- Color options: Single color.
- Small size neon, can change light temperature via dimmer. Top
- bending with good flexibility.
- Warranty: 5 years indoor.
- Multiple spec options, can be customized upon requirements. Single
- color supports PWM, 0-10V, DALI and DMX dimming



#### OPTICAL & ELECTRICAL PARAMETERS

Model No.	Voltage	CRI	Color	Lm/m	Lm/W	W/m
TGR-IP67-6MM-XXXXK	DC 24V	>90	2700K	959	133	7.2
			3000K	996	138	
			3500K	1002	139	
			4000K	1008	140	
			4500K	1005	140	
			6000K	1015	141	
TGR-IP67-10MM-XXXXK	DC 24V	>90	2700K	1386	138	10
			3000K	1403	140	
			3500K	1408	141	
			4000K	1450	145	
			4500K	1443	144	
			6000K	1456	146	

#### OTHER PARAMETERS

Model No.	LED Qty (pcs/m)	Standard Run	Pix/m	Min. cutting unit
TGR-IP67-6MM-XXXXK	336	5000 mm	--	23.81mm
TGR-IP67-10MM-XXXXK	336	5000 mm	--	23.81mm

Working Temperature: -20~+60°C

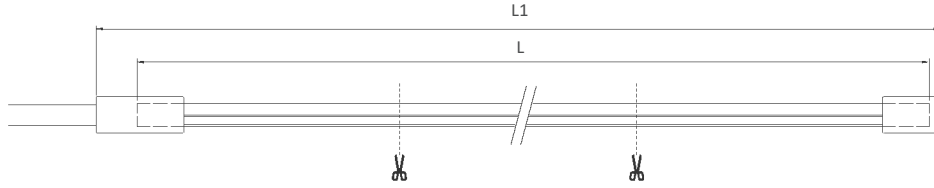
Storage Temperature: -20~+60°C

#### RECOMMENDED POWER SUPPLY UPON WORKING LENGTH

Model No.	Working Length	Measured Current	Rated Voltage	Measured Power	Recommended Power Supply	Power Supply Mode
TGR-IP67-6MM	1m	0.3A	DC 24V	7.2W	15W	Single Feed
	5m	1.36A		32.64W	50W	
TGR-IP67-10MM	1m	0.41A	DC 24V	10W	15W	Single Feed
	5m	1.90A		45.6W	60W	

PROFILE DRAWINGS

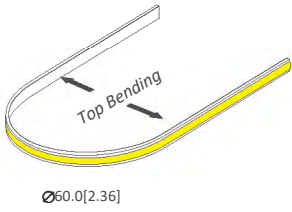
Glue process



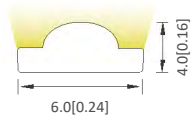
Model No.	IP Rating	L (mm / inch)	L1 (mm / inch)
TGR-IP67-6MM-XXXXK	Glue process (IP67)	5000±5[196.85±0.20]	5022±5[197.72±0.20]
TGR-IP67-10MM-XXXXK	Glue process (IP67)	5000±5[196.85±0.20]	5016±5[197.48±0.20]

Bending Diameter

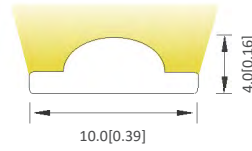
Dimension



TGR-IP67-6MM-XXXXK

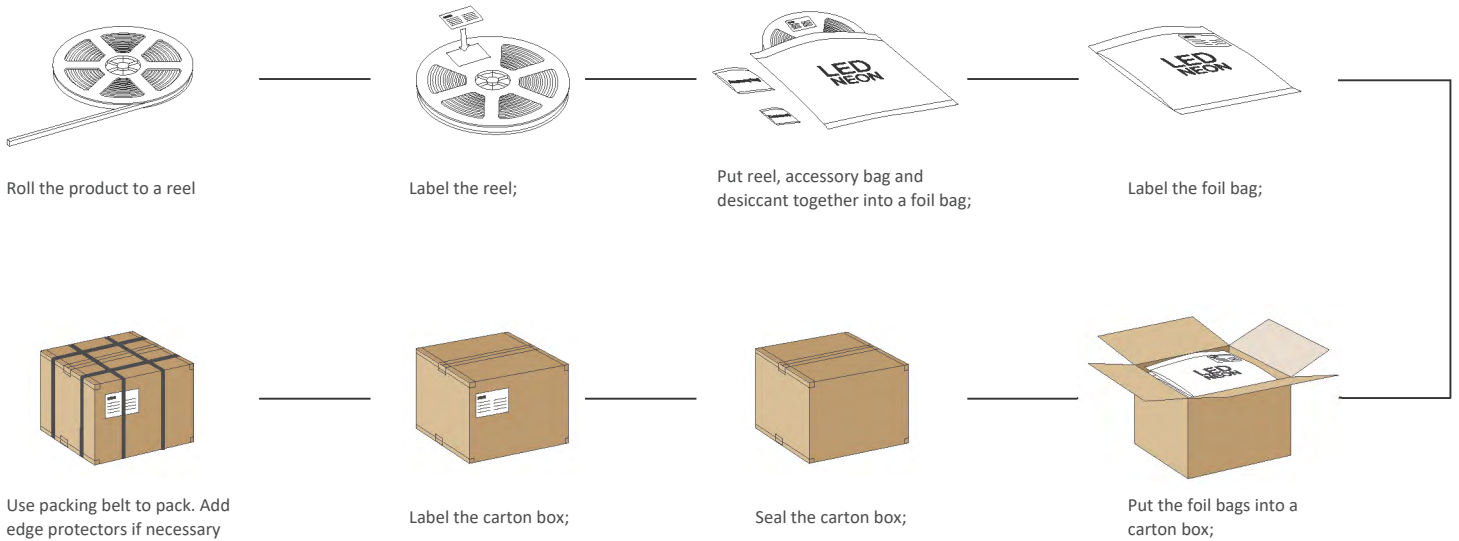


TGR-IP67-10MM-XXXXK



Note: within 5m, customizable lengths are multiples of the min cuttable length.

PACKAGING INFORMATION



Model No.	Product Size (mm)	Carton Size (mm)	Meter/Reel	Reel/Carton	Gross Weight (kg)
TGR-IP67-6MM-XXXXK	5000*6*4	550*400*340	5	60	-- (1± 10%)
TGR-IP67-10MM-XXXXK	5000*10*4	550*400*340	5	60	-- (1± 10%)

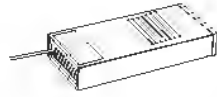
Notes:

- For other customized length packaging, please ask our sales rep. at [Info@TigerPowerSupplies.com](mailto:Info@TigerPowerSupplies.com)
- The above-mentioned packaging quantity and weight are only for the illustrated packaging method. For other packaging methods, the packaging quantity and weight will be different. The actual weight is subject to the actual product.

PRODUCTS AND TOOLS



Cutter



LED power supply








Electric drill








Electric iron

ACCESSORIES INFORMATION

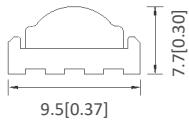
NDR0604-COB Plus

Picture	Item	Model No.	Part No.	Dimensions L*W*H	Quantity	Free/Optional
	Front cap	TGR-IP67-6MM-FEC		20.0*8.0*12.0mm	5m: 2pcs	Free
	Closing End-cap	TGR-IP67-6MM-CEC		11.5*8.0*12.0mm	5m: 2pcs	Free
	Aluminum Channel	TGR-IP67-6MM-CH1M		1000*9.5*3.7mm	--	Optional
	Silicone Glue	LED-NEON-GL		45g/pc	--	Optional
	Screws	--		PA3*10mm	--	Optional

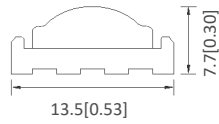
NDR1004-COB Plus

Picture	Item	Model No.	Part No.	Dimensions L*W*H	Quantity	Free/Optional
	Front cap	TGR-IP67-10MM-FEC		15*12*6.2mm	5m: 2pcs	Free
	Closing End-cap	TGR-IP67-10MM-CEC		10.5*12.1*6.1mm	5m: 2pcs	Free
	Aluminum Channel	TGR-IP67-10MM-CH1M		1000*13.5*3.7mm	--	Optional
	Silicone Glue	LED-NEON-GL		45g/pc	--	Optional
	Screws	--		PA3*10mm	--	Optional

Note: The accessory quantity is changeable according to customers' needs;



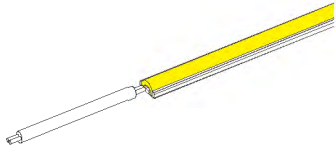
TGR-IP67-6MM-XXXXX  
Aluminum channel



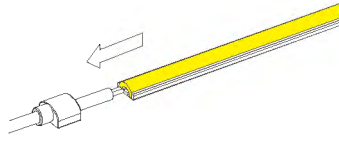
TGR-IP67-10MM-XXXXX  
Aluminum channel

## INSTALLATION

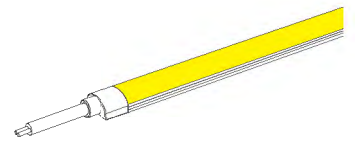
### Front cap installation



Weld the wire to the PCB board.

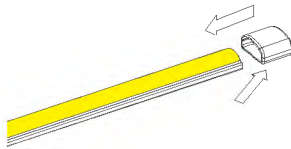


Apply waterproof glue to the front cap, then push the cap into the strip.

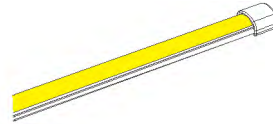


Wipe off the excess glue and wait for the glue to solidify.

### Closing-end cap installation

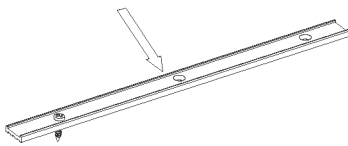


Apply waterproof glue to the end cap, then push the cap into the strip.

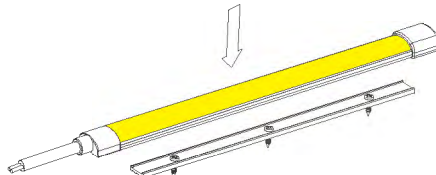


Wipe off the excess glue and wait for the glue to solidify.

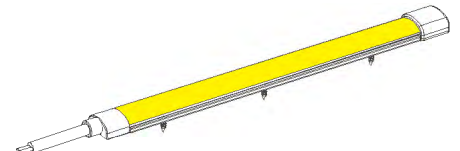
### Aluminum channel installation



Screw the aluminum channel to the mounting surface.



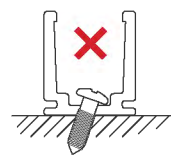
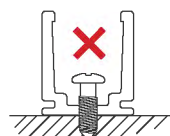
Press the strip into the aluminum channel



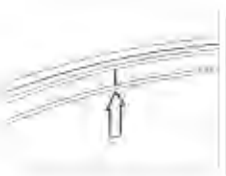
Finished

### Notes:

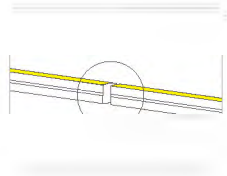
- At the welding place, please pay attention to the positive and negative poles of the wire and the strip;
- Each connection must use 10g silica gel for waterproof and insulating treatment;
- The screws must be vertical to the mounting surface and be fastened, as shown in the figure on the right;
- Please choose suitable operation steps according to the actual needs;
- During mounting, please pay attention to the min bending diameter, and best to use original factory accessories;
- More information, please feel free to consult us;



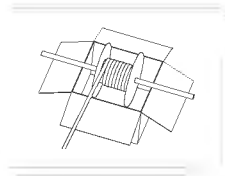
## WARNING MARK



Cuttable identifier.



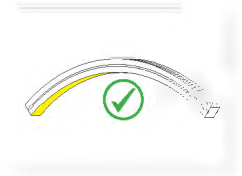
Neat and smooth cut.



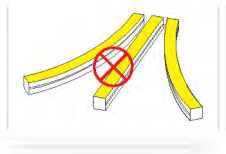
Insert stick through reel on box for easy product access.



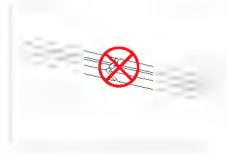
Convex use



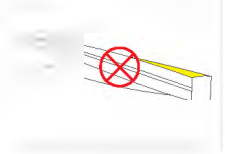
Concave use



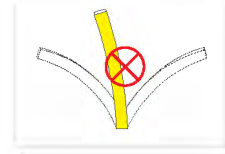
Side bending.



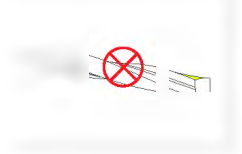
No irregular or uneven cutting



No twisting



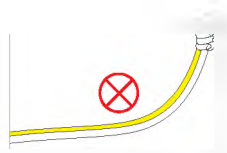
Avoid repeated bending to prevent circuit damage



No twisting or kinking



Avoid right-angle bends



No swinging or pulling



Avoid touching sharp objects.

### Note:

1. There are cutting marks on the PCB;
2. Please pay attention to above warnings during transportation and using;
3. Our company will not be held responsible for any quality hazards caused by damage to the product due to contact with sharp objects.

## ATTENTIONS BEFORE INSTALLATION

- Before installation, check that the product parameters are consistent with the requirements (Seeing product specifications or product labels)
- Load voltage, current, power and power supply should be matched with the product.
- Follow the instructions of wiring diagram (first connect the load and then the power supply) to avoid short circuit
- Make sure the correct connection of positive and negative poles between products and power supply. Otherwise, the light will not be on.
- Make sure the power cord firmly screwed into the terminal and it should not be pulled out by hands.
- The terminal should have waterproof and anti-corrosive treatment.

## WARNING

- Do not disassemble or retrofit the light. Do not touch the surface of the light with a sharp object.
- Do not do live-line working during installation, especially for high voltage product.
- Do not use any organic chemical solvents.
- Use neutral glass adhesive to fix this product and it needs to be dried 4 hours in the open environment after operation.
- Treat the ends and the circuit connection points that are not connected to the main line with insulation, waterproof, and anti-corrosion in the installation.
- Use 18AWG (0.75mm<sup>2</sup> cross-sectional area) or thicker core wire to avoid adverse consequences caused by overheating, if the power cable need to lengthen.
- Make sure the input voltage meets the requirements and lines are connected correctly before lighting on
- This product is for signage, and do not use as general lighting.
- Series connection within the max run.
- The length of the power cable between the power supply and the led strip should not exceed 2 meters. Otherwise, large circuit loss will lead to inconsistent brightness.
- Installation, maintenance and repair should be operated by a qualified technician.



## STATEMENTS AND RECYCLING

### Statements

- Repair should be operated by a qualified technician or supplier, if the external circuit or main line of this product is damaged.
- The parameters given in this manual are typical values and for reference only
- All illustrations and drawings in this manual are for reference.
- This product is subject to change without notice.

### Recycling

- LED lighting products belongs to electronic products, please do recycling treatment according to the relevant WEEE directives.