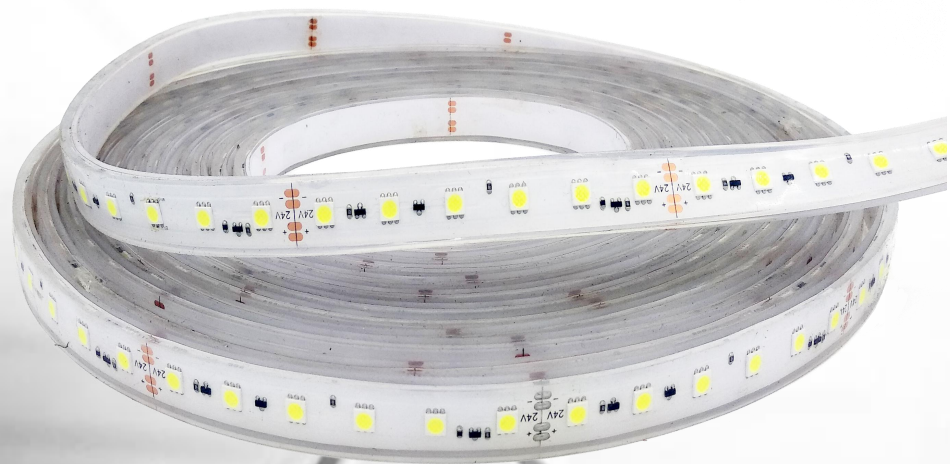


# BRANDO TECHNOLOGY CO.,LTD

## Explosion-proof Flexible LED Strip Lights



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

# Application



**Underground**



**Petrochemical**



**Tunnel**



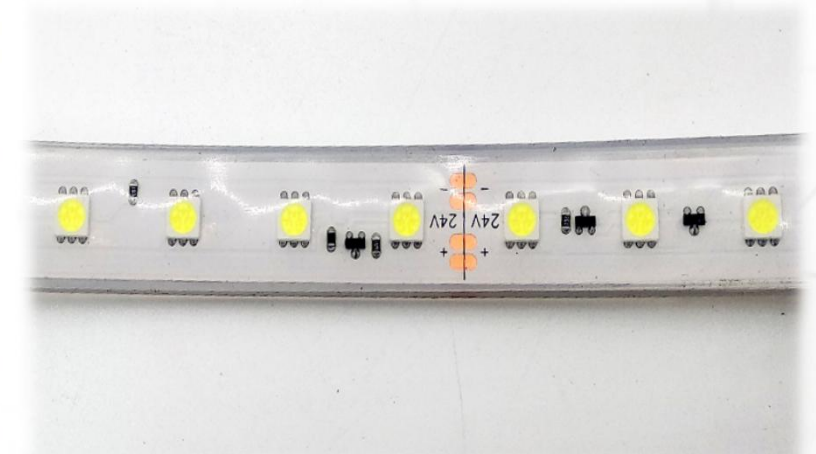
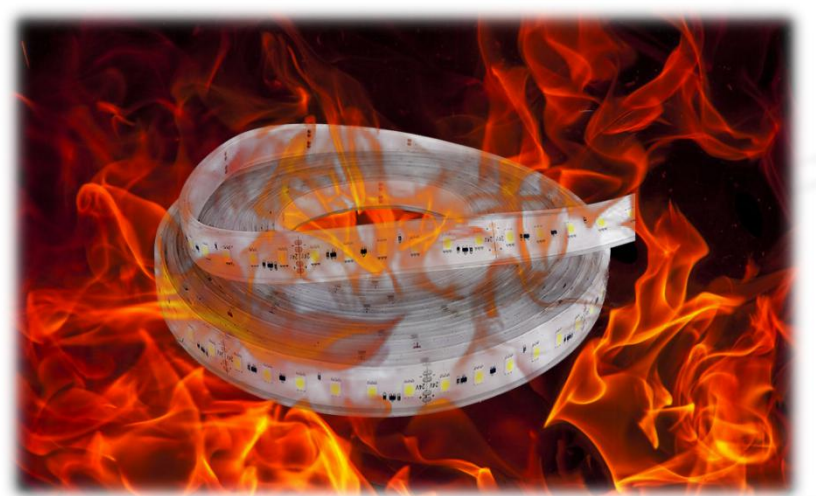
**Metallurgy**



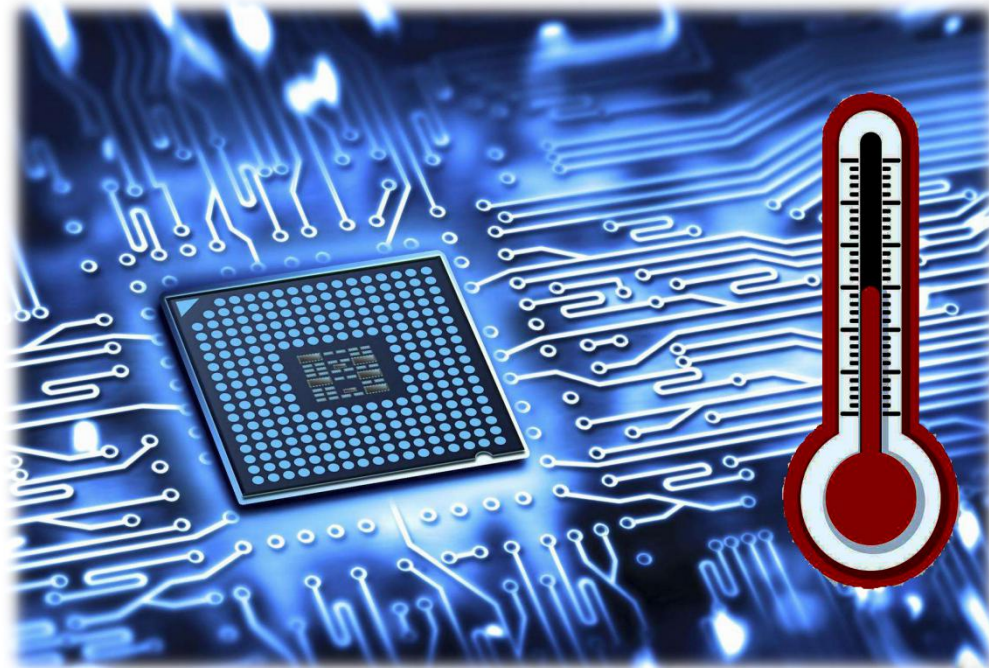
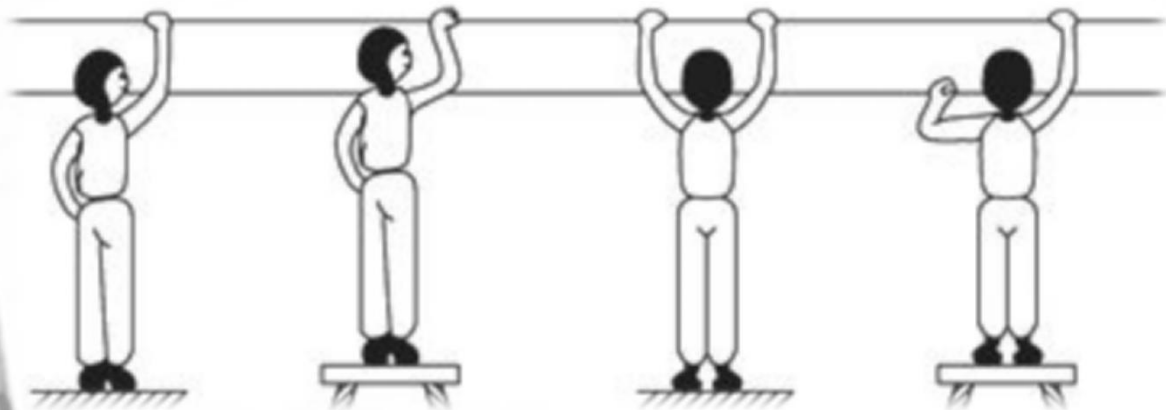
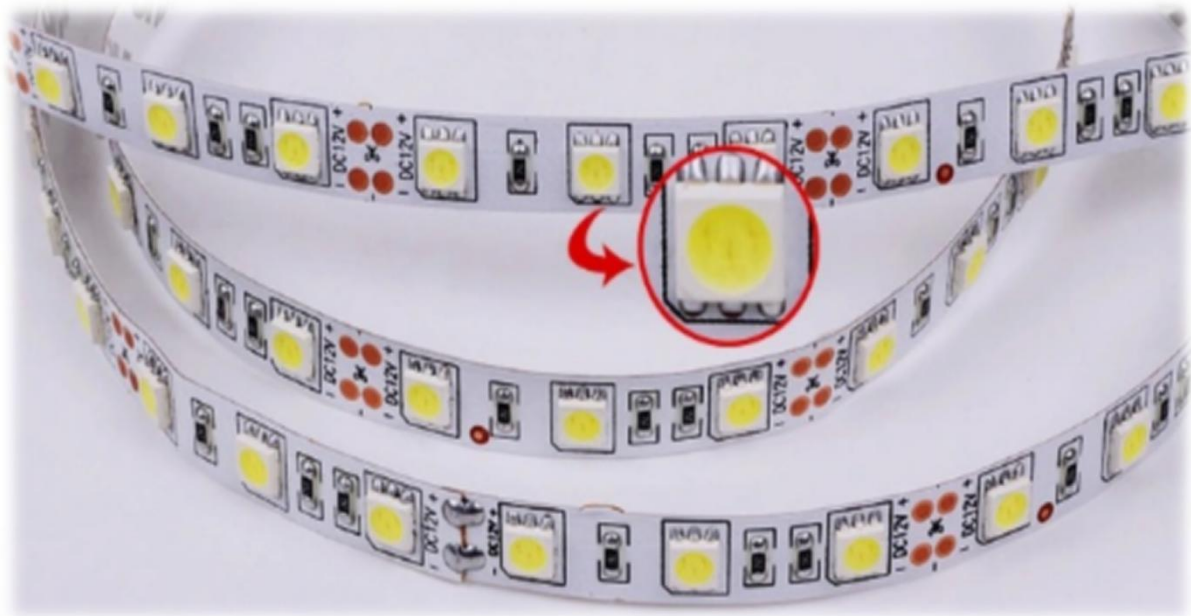
**Warehouse**



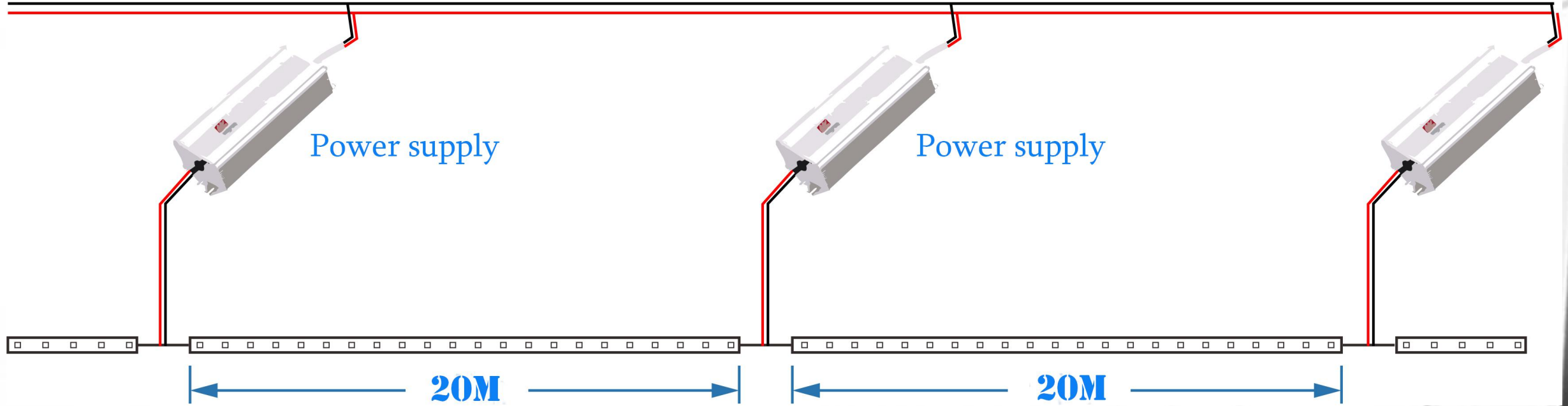
**Landscape**



**The strip light use super toughening silica gel soft overmolding process, the outlet end with a mould injection waterproof connector, waterproof power supply, effectively enhance the waterproof performance of products, LED strip light outsourcing silicone elastomer with good flame retardancy, and has a certain impact resistant, High brightness with long working time. this strip light is used for dust, humidity, rain, tremors, compressive environment and under the environment of corrosive gas lighting.**



# AC110V-250V



## POWER SUPPLY

Input ;AC110-250

Output; DC24V

## Strip Light

Input ;DC24V

LED ; 5050 Epistar

Ra ; 80%

CCT: 6000-6500K

Power : 15W/M

# Datasheet

LED Type/Qty		Color	Unit	Voltage(V)	Power(W/M)	WL/CCT(nm/K)	IV(mcd&lm)
5050	60leds/M	RED	M	24	15	Light Color	18-22lm
		GREEN	M	24	15	Light Color	18-22lm
		BLUE	M	24	15	Light Color	18-22lm
		WHITE	M	24	15	5000-6500	18-22lm
		WARM WHITE	M	24	15	Light Color	18-22lm

**Dimension: 20000mm(length) \*20mm(width) \*10mm(height)**

**It can be work at -40°C to 120°C, with more than 50KG tension, IP68 waterproof**

# Features and performance for BRADNO BO-SL01 LED Strip Light

## **a. Reduced Risk of Electrocutation**

A low voltage supply of 24Volts DC reduces the risk of electrocutation considerably.

## **b. Fast Installation and safe Repairs**

Installation of BRANDO LED Strip Lighting is easily and safely handled by mine personnel and typically completed in 1/3 the time of conventional lighting. It's also the perfect solution for temporary lighting requirements. Set it up, take it down or move it to another location. You'll realize your ROI in 1 1/2 years, after which time, your face will light up in realized energy savings.

## **c. Safe working environment**

HALO illuminates potential dangers by providing a complete flood of light from floor to ceiling. This can substantially boost the morale and efficiency of workers.

## **d. Constant luminescence reduces incidents**

The consistent flood of lighting eliminates spots and reduces threats of glare and blinding, preventing possible incidents.

## **e. Indestructible hardware**

Outer shell is 100% waterproof, flame retardant, impact and shock resistant. Virtually indestructible and maintains total functionality in close proximity to explosions.

## **f. Preferred above LED globes**

Intelligent power controllers with built in overcurrent, overvoltage and overheating properties protects against voltage fluctuations,

## **g. Increased tensile strength**

Compatible with harsh mining conditions and possibility of manhandling.

- **Our plug and play system really 'clicks'.**
- Conventional lighting requires separate power and a wired connection to every lamp, needing the expertise of electricians. This becomes labour-intensive and costly when running many meters of lighting. The BRANDO LED Strip Lighting plugs into an existing power source using a power supply which then connects to one end of the LED strip. A single power supply will light a 20 meter LED section. To extend beyond 20 meters, just add another power supply at the other end and connect the next section of LED strip – it's that simple.
- **Need to change direction? No problem.**
- BRANDO provides accessories to allow for Bends and T-Junctions so you can direct the LED strips where you need them to go.
- **Maintenance-free. Easy to repair.**
- Damage to lighting through routine underground activities happens. When a conventional lamp is damaged, it results in loss of illumination over many meters – making the affected area a safety hazard until repaired by a qualified electrician. Should a section of the BRANDO strip light be damaged, only this section loses light. The remaining portion of the strip continues to provide illumination – allowing for a safer environment. Additionally, damaged sections can be replaced in 8" strips – making it a quick and cost-effective fix.
  - Intelligent temperature management, sensors monitor LED temperature and if safe parameters are exceeded the affected LED's are automatically dimmed until safe temperatures are restored.
  - Intelligent voltage surge management, restorable resistors limit overcurrent and overvoltage situations.
  - AC to DC convertors, miniature voltage convertors.
  - Short circuit protection, in the case of short circuit the power is isolated until the circuit is normalized.