INSTALLATION GUIDE

BRIGHTLIGHT LED LIGHTING SOLUTIONS

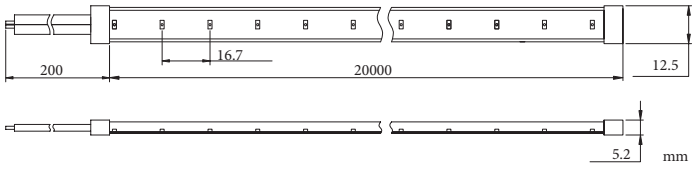
LED Ribbon Strip 5.2 Watts / metre

BL-RIB-202-WW/NW

PRODUCT SPECIFICATION

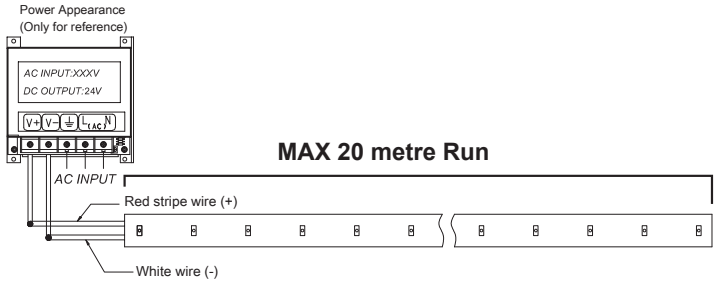
Colour	Product Code	Power (Watt)		Voltage	IP Rating	Operating Temp.
		1m	20m			
Warm White 3000K	BL-RIB-202-WW	5.2	104	24V DC Constant Voltage	IP54	-25 ~ +60 °C
Natural White 4000K	BL-RIB-202-NW					

DIMENSIONS (MM)

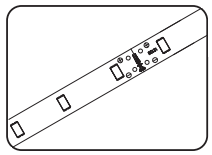


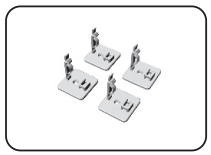
INSTALLATION AND USE

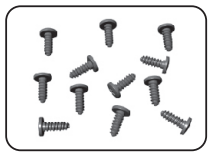
1. Connection Diagram



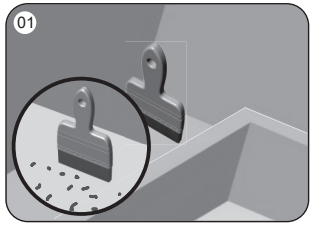
2. Installation Tools


LED Ribbon Strip

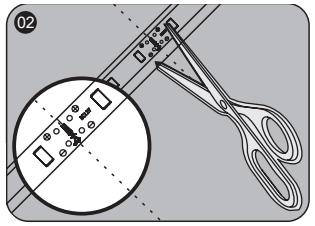

Fasteners


Self-tapping Screws

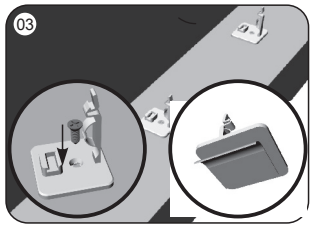
INSTALLATION STEPS



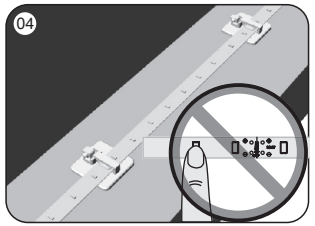
1 Clean the mounting surface and keep it clean



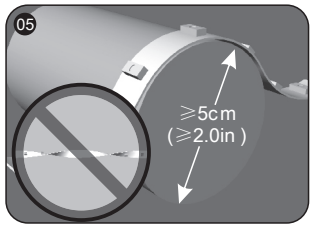
2 Cut the strip to achieve desired length
Note: Cut the strip at the cut marks outlined only



3 Install the fasteners in straight line with double-adhesive tape or screws. Install 3pcs fasteners per metre

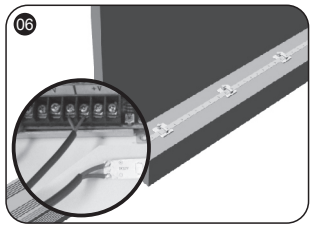


4 Determine the mounting positions and stick the strips onto the mounting surface using **<u>netural cure silicone adhesives</u>**



5 When installing, the bending diameter of the strips should be no less than 50mm.

Note: Do not twist the strips



6 After installing the strips, strip wires shall be connected to the adapter of the power supply and insulated.

Note: The polarities of connection made at the strips (red wire "+", black wire "-") and the power supply should be correct wattage for length of strip required, and the output voltage of power supply shall be in the range of working voltage of strips.

IMPORTANT NOTES

1. Make sure that the mounting surface is clean before installing strips.
2. The polarities of connection made at LED strips and power supply should be correct, or the strips will not light.
3. Connect wires to the power supply firmly. Wires should not be able to be pulled out by hand.
4. Forbid using any acid and alkali adhesive to fix the strips.
5. During the installation, forbid sticking adhesive on LED faces to avoid damaging the LEDs.
6. It is recommended to choose safety-certified power supply with DC 24V output voltage (with short-circuit, overvoltage and overcurrent protections). The tolerance range for the output voltage of power supply is ± 5%. If more products needed, the power supply should have more than 20% load allowance.
7. **MAX. 20 metre Run**

TROUBLE SHOOTING

Malfunctions	Possible Causes	Solutions
None of the LEDs are working	No electricity or power supply is not working	Remove any short-circuiting malfunctions
	The power supply is short-circuited, the switch to the power source doesn't automatically protect against short-circuit	
	The input wires of the strips may be wrong polarity of cables	
Some of the LEDs are not working	Some of the power sources do not supply electricity	Check the power supply and remove any malfunctions
	Some of the strips are not correctly connected to power supply	
	Some strips' polarities may be incorrectly connected	Connect the wires correctly
Brightness of the LEDs are not even or bright enough	Power supply is overloaded	Use higher wattage power supply
	Too much current loss in power supply wires	Ensure the working voltage of strips is ±5% of the rated voltage, or shorten the power supply wire or use thicker wires
	Too many LED strips are connected	Adjust the strip length of each branch to meet the maximum operable length
LEDs are blinking	The connection is loose	Find the trouble spot and remove any malfunctions
	Failures in power supply	Replace the power supply
	Overloaded power supply	

CAUTIONS

- Do not disassemble or modify the strip or touch LED surface with sharp tools
- Do not install while the electricity cables are live
- Please check the supply voltage and wire connections before energizing the fixture
- If the extension of the wires between strips and power supply is needed, it is recommended to use 18AWG or larger wires
- When the standard operable length is 5m, the power cable between the strip and power supply should be no longer than 2m