

WAKO HEBI CURVE LIGHT STRIP

Installation Guide

PRODUCT CARE AND HANDLING

- WAKO products are packed in a protected form and delivered to the installation sites.
- Inspect the products carefully before installation. Do not proceed to install any products that may have been damaged in transportations, storage or handling.
- Keep the products in their protected form before installation.
- As the WAKO HEBI Curve Light Strip is delicate electronics, ensure a good handling to avoid excessive bends, drops and pressure applied to them.
- Keep away from dusty and wet areas. Clean up the area if necessary as dusts affect the lighting effects and water could lead to short circuit.

INSTALLATION

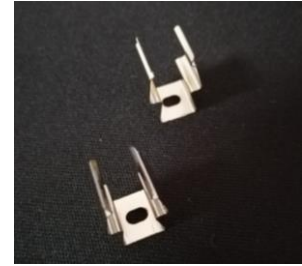
- Installation should only be carried out by qualified professions in accordance to the local codes, safety and regulations.
- Products should be installed in areas appropriate to their specified IP rating, operating temperature and humidity range.
- Work out the installation plan carefully with the physical layout and power source. Provide enough wiring, power supplies and control gears.
- Ensure the correct polarity connections are observed at all times during installation as reverse polarity could have damaged the products.

INSTALLATION (MOUNTING)

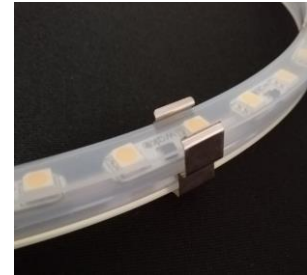
1. Remove the WAKO HEBI Curve Light Strip from the box and unwind from the reel.



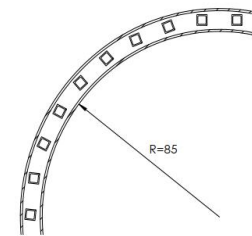
2. Find the mounting bracket provided and secure them onto wall or ceiling, use flat head or countersunk screws.



3. Arrange the mounting brackets to the desired shape and insert the light strip onto the mounting brackets, use a maximum of 5 brackets per meter.



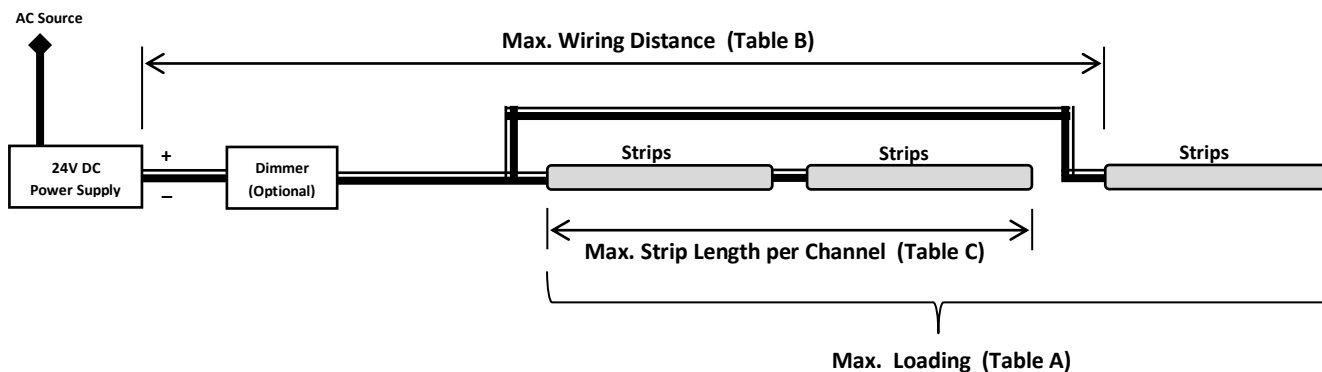
4. Ensure the curve of the WAKO HEBI Curve Light Strip is not less than a radius of 85mm.



INSTALLATION (WIRING)

- WAKO HEBI Curve Light Strip uses 24V Constant Voltage DC Power Supply. Ensure the power rating of the power supply is adequate to drive the appropriate lengths/segments of the Strips. (See Table A for recommendations.)
- Ensure correct polarity to be correct at all times. The wires are White + / Black -.
- When connecting the WAKO HEBI Curve Light Strip to the power supply, ensure the correct cable thickness is used that could carry the required amperage; and that the length of this cable cannot exceed the maximum specified in Table B1 and Table B2.
- When connecting the WAKO HEBI Curve Light Strip end to end, ensure the maximum length of the total Strips from the particular series does not exceed the limits specified in Table C.
- Check all wiring before applying power to the installation.

Wiring Diagram - Limits



NOTE: MAKE SURE NOT TO EXCEED THE MAXIMUM LIMITS DURING INSTALLATION.

HEBI SERIES

Series	Power Supply		
	50W	100W	150W
HB026	4m	8m	12m
Total Strip Length			

TABLE A. Maximum Loading

Loading	Wire Gauge				
	0.5mm ²	0.75mm ²	1mm ²	1.5mm ²	2.5mm ²
50W	20m	29m	39m	59m	95m
100W	10m	14m	20m	29m	48m
150W	6m	10m	12m	20m	32m
Maximum Wiring Distance					

TABLE B1. Maximum Wiring Distance - HEBI Series

Loading	Wire Gauge				
	0.5mm ²	0.75mm ²	1mm ²	1.5mm ²	2.5mm ²
50W	11m	16m	22m	32m	52m
100W	6m	8m	11m	16m	26m
150W	3m	6m	7m	11m	17m
Maximum Wiring Distance					

TABLE B2. Maximum Wiring Distance - HEBI Series (with dimming)

Series	Maximum Strip Length per Channel
HB026	7m

TABLE C. Maximum Strip Length per Channel