



# WAKO UNAGI Light Strip (UG Series)

## 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 WAKO UNAGI Light Strips are delicate electronics, ensure a good handling of the Light Strips 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.
- Ensure the main power supply is OFF before installing or wiring.

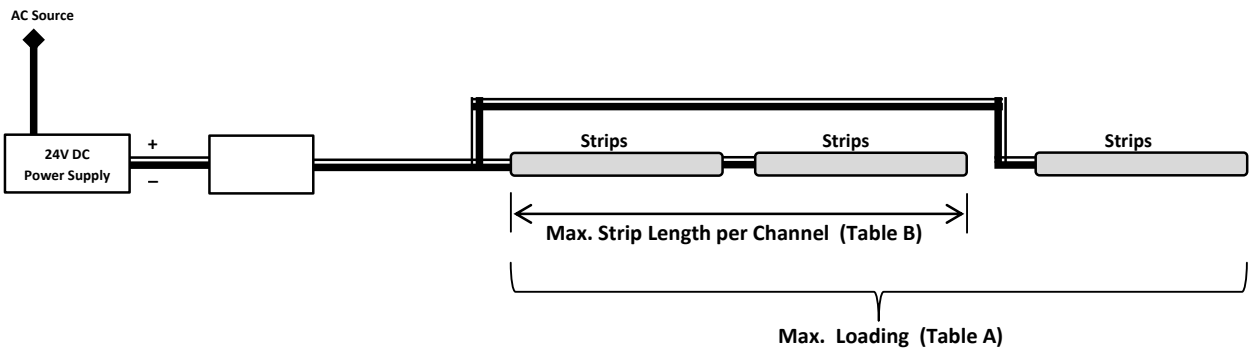
### INSTALLATION (MOUNTING)

- WAKO UNAGI Light Strips come in Light Strips in Silicon Tube. Mounting Kits and/or Accessories might be an option and not come with the products; and installers may have to prepare themselves.
- Ensure the mounting brackets are screwed in securely and spaced apart properly to keep up with the curvature design and not blocking the LEDs.
- Corners or sharp angle placement should be avoided with single strip installation; use multi-strip installation instead.

## INSTALLATION (WIRING)

- All WAKO UNAGI Light Strips use 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 could be (Red + / Black -) or (White + / Black -).
- When connecting the Strips to the Power Supply, ensure the correct cable thickness used that could carry the required amperage
- When connecting the Strips end to end, ensure the maximum length of the total Strips from the particular series does not exceed the limits specified in Table B.
- Check all wiring before applying power to the installation.

### Wiring Diagram - Limits



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

### UG SERIES

Series	Power Supply		
	50W	100W	150W
UG0XX-150	2.5m	5.5m	8m
UG0XX-100	4m	8m	12.5m
UG0XX-070	5.5m	11m	16.5m
<b>Total Strip Length</b>			

**TABLE A. Maximum Loading**

Series	Maximum Strip Length per Channel
UG0XX	5m

**TABLE B. Maximum Strip Length per Channel**