

Precautions

Installation Notes

- ▶ This product must be installed by a suitably competent person.
- ▶ Contains small parts, possible choking risk. Keep away from children. Not a toy.

IMPORTANT

- ▶ Please read these instructions before commencing any work.
- ▶ Please retain these instructions for future reference.
- ▶ Only use with Tagra LED strip lights.
- ▶ Please refer to product listing for detailed information regarding compatible strip, max run lengths and cable gauge.
- ▶ Soldering is recommended for a permanent installation.

Electrical

- ▶ Switch the power off at the mains supply before installing or maintaining this fitting.
- ▶ Ensure others cannot restore the electrical power supply without your knowledge.
- ▶ Ensure the product is in good working condition. If there is visible damage do not use.
- ▶ Connect with the correct polarity to avoid short circuit or product damage.
- ▶ Only use with compatible Tagra LED strip lights.
- ▶ Do not exceed the maximum current specified for the connector. Refer to packaging.
- ▶ Only use with 20 AWG cable.

Mechanical

- ▶ Do not use the product if damaged.
- ▶ Do not use with worn or damaged wires or strip lights.
- ▶ Protect the connectors from mechanical damage. Take care not to dislodge any components during installation. Ensure that wires connected cannot be pulled.

Environmental

- ▶ The product should only be used in an environment with an ambient temperature between -0°C to +45°C.
- ▶ The temperature of the LED connector should never exceed +45°C when in operation.
- ▶ IP20 connectors are not waterproof and can only be installed indoors where humidity is no more than 55%.
- ▶ For indoor use only.
- ▶ Only install in a location free from chemicals, gases and flammable materials.
- ▶ Store in a clean dry area.

Product Warranty

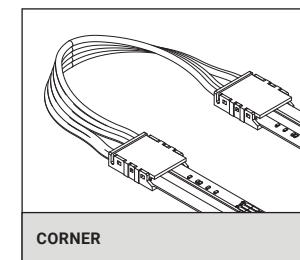
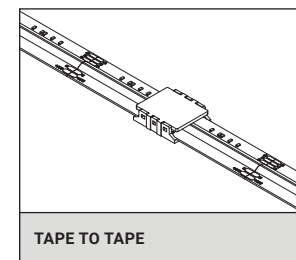
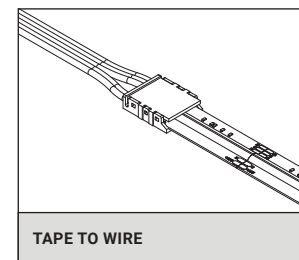
1. A warranty period is provided for products in normal use. For any faults arising during the period that are confirmed to be quality related by inspection by the company, a product of the same specification will be replaced for free.
2. The warranty does not cover any of the following:
 - (1) Any product damage due to usage not allowed in the instructions.
 - (2) Any product damage due to disassembling or wrong operation by the user.
 - (3) Severe appearance damage or deformation of the product.

LED Connectors

▶ Solderless LED Connectors

tagra®

User Manual



Precautions

Do not step on

Do not hammer

Do not heat

Installation

BEFORE

AFTER

► Check strip light width and colour type correspond to the connectors specification.

► Pins must be pressed in and in contact with the strip lights solder pads to function.

1. Isolate the mains supply before installation.
2. Check all connectors, cables and strip lights are compatible.
3. Open any buckles on the connectors to allow for the strip light to be inserted.
4. Insert the strip light into the connector.
5. Check polarity (+/-) and ensure connector pins line up with solder pads.
6. Close any buckles.
7. Using pliers, compress the pins down so they make contact with the solder pads on the strip light.
8. Carry out a pull test to ensure the connector pins have pierced the strip light.
9. Complete the required electrical safety checks before commissioning.

NOTE: If installing within LED profile, ensure the internal height & width of the profile is suitable for the solderless connector.

Soldering

1. Make sure you are soldering in a well ventilated area, wearing protective eyewear and using suitable solder-fume extraction.
2. Check that the solder pads are clean and undamaged.
3. Where required, use a suitable electronics flux on the areas being soldered.
4. Before soldering, tin plate the cable ends and solder pads first.
5. Use the soldering temperature and maximum contact time specified for the product.
6. Allow the solder point to completely cool down after every solder.
7. Check completed joints for solder bridges, loose strands and poor connections before applying the protection described in the ‘Wiring’ section.

WARNING:

For more information on the soldering process & safety precautions, please follow the soldering iron manufacturer’s instructions.

Wiring

WARNING: Check polarity (+/-) is correct before turning on.

Single Colour		CCT		RGB		RGB+W		RGB+CCT	
(+)	RED	(+)	RED	(+)	BLACK	(+)	BLACK	(+)	BLACK
(GND-)	BLACK	(WW-)	YELLOW	(R-)	RED	(R-)	RED	(R-)	RED
		(CW-)	WHITE	(G-)	GREEN	(G-)	GREEN	(G-)	GREEN
				(B-)	BLUE	(B-)	BLUE	(B-)	BLUE
						(W-)	WHITE	(W-)	WHITE
								(WW-)	YELLOW

Available SKUs

SKU	Connector	Colour Type	Tape Width	LED Type	Max. Current
CONSOL8MMTTV2	Tape to Tape	Single Colour	8mm	SMD & COB	5.0A
CONSOL8MMTWV2	Tape to Wire	Single Colour	8mm	SMD & COB	5.0A
CONSOL-SC8MML	Corner	Single Colour	8mm	SMD & COB	4.0A
CONSOL-SC10MML	Corner	Single Colour	10mm	SMD	4.0A
CONSOL-RGB-10MM-TT	Tape to Tape	RGB	10mm	SMD (<60LEDs/m)	4.0A
BB-CONSOL-RGB-10MM-TW	Tape to Wire	RGB	10mm	SMD (<60LEDs/m)	4.0A
CONSOL-RGB-10MM-CC	Corner	RGB	10mm	SMD (<60LEDs/m)	4.0A
CONSOL-RGB-COB-10MM-TT	Tape to Tape	RGB	10mm	COB	4.0A
BB-RGB-COB-10MM-TW	Tape to Wire	RGB	10mm	COB	4.0A
CONSOL-CCT-10MM-TT	Tape to Tape	CCT	10mm	SMD (<60LEDs/m)	4.0A
BB-CONSOL-CCT-10MM-TW	Tape to Wire	CCT	10mm	SMD (<60LEDs/m)	4.0A
CONSOL-CCT-10MM-CC	Corner	CCT	10mm	SMD (<60LEDs/m)	4.0A
CONSOL-RGBW-12MM-TT	Tape to Tape	RGB+W	12mm	SMD (<60LEDs/m)	4.0A
BB-CONSOL-RGBW-12MM-TW	Tape to Wire	RGB+W	12mm	SMD (<60LEDs/m)	4.0A
CONSOL-RGBW-12MM-CC	Corner	RGB+W	12mm	SMD (<60LEDs/m)	4.0A
CONSOL-RGBWCOB-12MM-TT	Tape to Tape	RGB+W	12mm	COB	3.5A
CONSOL-RGBWCOB-12MM-TW	Tape to Wire	RGB+W	12mm	COB	3.5A
CONSOL-RGBWCOB-12MM-CC	Corner	RGB+W	12mm	COB	3.5A
CONSOL-RGBCCT-12MM-TT	Tape to Tape	RGB+CCT	12mm	SMD (<60LEDs/m)	4.0A
BB-CONSOL-RGBCCT-12MM-TW	Tape to Wire	RGB+CCT	12mm	SMD (<60LEDs/m)	4.0A