

PRODUCT CARE AND HANDLING

- YYZ products are delivered in appropriate packaging. Any handling instructions on the packaging must be observed. Products should remain in packaging 'as delivered' until installation or for ongoing transportation and storage.
- Inspect products carefully before installation. Do not proceed to install any product that may have been damaged in transportation, storage or handling.
- Handle with care. Many YYZ products contain precision electrical components and are not designed to withstand excessive stresses from tension or compression.
- Please follow standard ESD (Electrostatic discharge) protection measures when handling and installing YYZ LED products.

SAFETY AND WARRANTY

- Installation is only to be carried out by suitably qualified persons in accordance with installation instructions and all applicable regulations or standards. (Improper installation can create an electrical hazard with risk of electric shock, fire or injury).
- YYZ will not be held responsible for any consequences arising from improper product handling, storage or installation.
- YYZ products must be installed as supplied. Disassembly, modification or attempted repair will invalidate warranty and may create an electrical hazard.
- The YYZ product warranty is available with this document or in the following website - www.yyzlighting.com

PREPARATION

- Install YYZ products in accordance with the Wiring and Mounting instructions supplied with the product, using the recommended accessories, tools and fixings where specified.
- Product specification and installation information is also available from the YYZ website www.yyzlighting.com
- Products should only be installed in areas appropriate to their IP rating, operable temperature and humidity range.
- Carefully plan and check the physical layout and circuit structure of the installation before starting work. Note wiring methods, cable type and connection points along with positioning and rating of power supplies and any control gear. Refer to all product information - including that for power supplies/control gear - and confirm choice of power supply, control gear, cable thickness and cable length.
- For safe and reliable operation YYZ LED products must only be used with suitable YYZ supplied or recommended power supplies and control gear. Contact YYZ for further information. (North America - Use only UL listed Class 2 power supplies with YYZ products - See also Installation Guide - Wiring)
- The YYZ LED products in this guide require **12V DC** or **24V DC** 'constant voltage' power supplies as indicated in product specifications.

AFTER INSTALLATION

- YYZ products are designed to be maintenance free however accumulated dust may be removed from the emitting surface of luminaires with careful use of a soft dry cloth.
- Ensure that paints, organic solvents and caustic or corrosive cleaning chemicals do not come into contact with YYZ products. For example **DO NOT USE** - Benzene, Toluene, Xylene, Acetone, Carbon tetrachloride, Gasoline, Ether, - Sodium/Calcium hydroxide, Sodium Carbonate.
- For cleaning or sanitization - products in sealed IP rated housings may be wiped with a soft cloth dampened with an alcohol cleaner or with cool, soft water diluted (5% or less) bleach (Sodium Hypochlorite) solution.
- Please retain this information and pass to those responsible for installation/site maintenance.

READ BEFORE INSTALLATION

- The mounting surface to which any YYZ product is attached must not carry any electrical potential and metallic surfaces must be earthed. Avoid physical contact between adjacent LED products.
- Prepare, measure and mark the installation location and mounting surfaces before fixing.
- Any machining or drilling etc. should be completed before mounting. YYZ products and their immediate installation area should be kept clean and dry and free of paints and solvents.
- Mount products so that cables and connectors will not come under excessive stress and position accessories, wiring and connectors where they will not cast shadows.
- Flexible strip products are supplied on reels. Unwind fully before installation and avoid folding, excessive twisting (>180 degrees over 250mm) or external impact during handling or installation.
- Mounting on curved surfaces:
 - Minimum bend radius for IP20 flexible strip (IP20) 20mm
 - Minimum bend radius for silicone sheathed IP65 flexible strip (IP65) 35mm
- Removal of adhesive tape mounted IP20 strips or cutting of IP65 silicone sheathing will invalidate warranty.

INSTALLATION GUIDE

LFX Series

CONNECTING IP20 FLEX STRIP

1



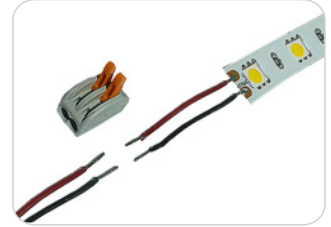
Handle strip carefully. Cut strip on dotted mark with sharp scissors

2



Carefully solder with prepared cables on the marked contacts. Minimise contact with heat tip to avoid heating the PCB

3



Check the Polarity and connect with locally available connectors

MOUNTING - SELF ADHESIVE TO PROFILE

1



Remove backing from adhesive tape

2



Ensure Mounting surface is clean

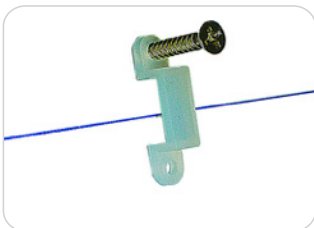
3



Press in Profile, dont press direct pressure to LEDs

MOUNTING - CLIP MOUNTING

1



Drill for Screws to Fix clip with suitable screw supplied (min 5 to 6 clips per Mtr)

2



Place Strip in clip and fix remaining screw.

3



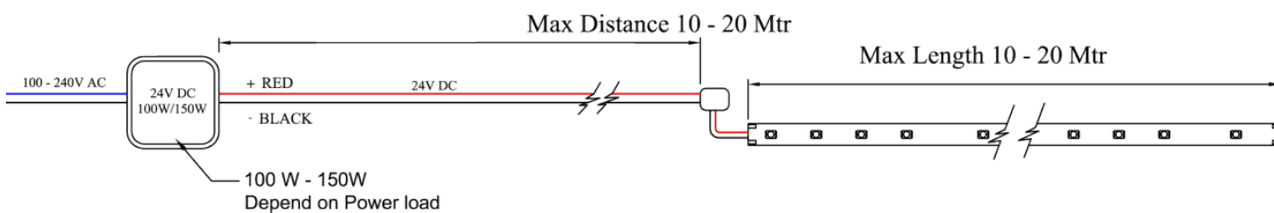
check the connections

READ BEFORE INSTALLATION

- Cables used for connecting YYZ products must be of a suitable type and recommended gauge. Cable insulation must remain undamaged and conductors free from dirt and corrosion.
- Control cables should be of a suitable shielded type and not fixed in proximity to high voltage power cables or other sources of electromagnetic interference.
- When connecting YYZ products always observe the correct polarity (+/-). Failure to do so may destroy the product.
- Electrical circuits should be wired with power off and all wiring and connections should be complete and checked thoroughly before power is switched on. Take particular care not to confuse any control and power wiring. Do not remove any supplied product cable labels.
- Power supplies should not be made 'live' without the correct load attached and the low voltage output must not be switched. Do not exceed the recommended load.
- Remove only the minimum of cable insulation necessary to make wiring connections to eliminate the possibility of short circuit.
- Cables should be joined with terminal blocks and adequately protected against water immersion or moisture ingress with suitable tapes and sealants, potting compounds and IP rated junction boxes as appropriate to the installation and operating environment.
- The LED products in this guide require **24V DC** (constant voltage) Class 2 power supplies (UL listed - for North America).

WIRING SYSTEM DIAGRAM

SWITCH (ON/ OFF)



DIMMING WITH 0-10/ DALI / DMX

