Precautions

Installation Notes

- Install in accordance with the IEE wiring regulations and building regulations.
- This product must be installed by a suitably competent person.

Electrical

- Do not connect directly to mains electrical supply.
- 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. Regularly inspect for signa of damage.

IMPORTANT

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Please read these instructions before commencing any work.

Please retain these instructions for future reference.

Please refer to product listing for detailed information.

Remove all packaging before connecting to power supply.

Only use with Chronos range.

- This product must be used with a good quality constant voltage LED driver. Ensure that the voltage output of the driver
 matches rated voltage of the LED tube.
- Ensure that the controller works with a 24V system and IC type (UCS1903) matches the LED tube.
- Connect the tube with correct polarity. Incorrect connection can cause damage.
- Ensure that the power capacity of the LED driver is greater than the total load of all the LED tubes connected to it.
- The LED tube and cable should be protected by a fuse or equivalent device installed between the driver and LED tube and as close to the driver as possible.
- Ensure that the total current used does not exceed the maximum capacity of the controller and cabling (7A total).
- The LED tube should only be used with the recommended electrical accessories.
- Protect the tube from static electricity. Do not disassemble the tube. Not user serviceable.

Mechanical

- Do not use the product if damaged. Do not use with worn or damaged wires or components.
- The product will generate heat during use. It should be installed in a well ventilated location.
- Fully uncoil all cables. Do not cover or conceal.
- The tube should be mechanically supported with the recommended mounting accessories.
- Protect the tube from mechanical damage. Take care not to dislodge any components during installation. Ensure that wires
 connecting the tubes cannot be pulled.
- Ensure suspension accessories are correctly fitted, fully seated and release pins are fully locked.
- Tubes must not be used as a load bearing structural element

Environmental

- The product should only be used in an environment with an ambient temperature between +5°C to +40°C.
- ► The temperature of the LED tube should never exceed 60°C when in operation.
- This product is not waterproof. Not suitable for permanent outdoor installation.
- IP65 products should only be exposed to water for short periods of time, and humidity of no more than 80%.
- Only install in a location free from chemicals, corrosives, gases and flammable materials.

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.

Chronos RGB Pixel Tube Light

0161 442 1180 | Southfield Ind. Estate, Trafford Park, Manchester, M17 1SJ

LED Neon Tubes

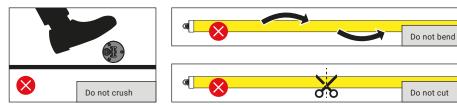
Chronos RGB Pixel Tube Light

User Manual



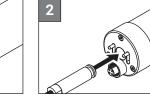


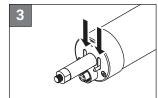
Precautions



Mounting / Suspending





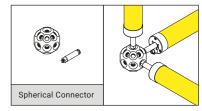


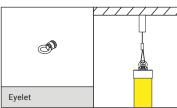
Move the pins on the endcap to open the connection.

 While open, insert the connector into
 When connector is fully inserted,

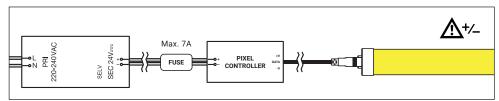
 the endcap.
 release pins to lock into place.

NOTE: Repeat the process to remove the connector.





Wiring



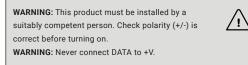
 Wire Colour
 Controller

 Red
 DCV+

 Green
 DI (Data In)

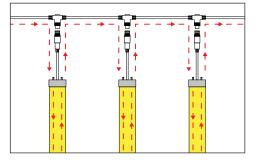
 Blue
 DO (Data Out)

 Black
 GND

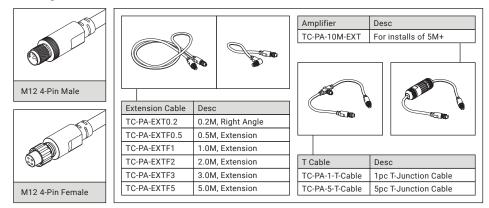


Signal Flow

Signal flows through each tube before passing onto the next tube. Connect LED tubes using t-junction cables. For installations where more than 5 metres of cable is used, boost the signal using an amplifier. Only use the recommended accessories.



Cabling



Troubleshooting

Tube doesn't respond to controller

Check that the data output of the controller is connected to the data input of the tube, not the output.

Tube doesn't respond to controller

Check that the input power of the controller is the same as the input power of the tube (24V).

The tube lights but the animation is distorted

Check that the IC type setting on the controller matches the IC type of the LED tube.

Tube lights single colours but animation is distorted.

Check that the GND of each tube light is connected to the GND on the controller.

Check that the length of the cables between the controller and data-in on the tube are shorter than 5 metres. For more than 5 metres, use an amplifier.