

# T5C LED Specifier Series

## Product Selection Guide

T5C-HE is selected by length only with the power to match both High Efficiency (HE) and High output (HO) fluorescent outputs at the drive currents noted below:

Product Code	Length	Max Watts	Lm/W @ 4,000k	Max Output	Lm/Maintenance	Warranty
T5C-HE-0550-XYX	549mm	15 Watts	170lm/W	2,550lm	L90 / 100k/Hrs	10 Years
T5C-HE-0850-XYX	849mm	25 Watts	170lm/W	4,250lm	L90 / 100k/Hrs	10 Years
T5C-HE-1150-XYX	1149mm	30 Watts	170lm/W	5,100lm	L90 / 100k/Hrs	10 Years
T5C-HE-1500-XYX	1449mm	40 Watts	170lm/W	6,800lm	L90 / 100k/Hrs	10 Years

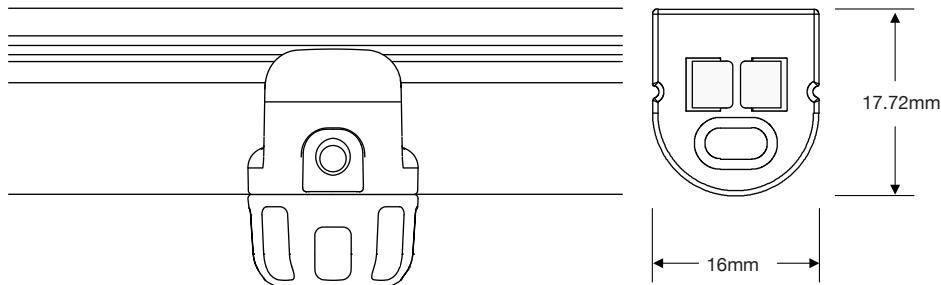
Where **(X)** = Correlated Colour Temperature (CCT and can be: 3,000k **(3)** | 4,000k **(4)** | 5,000k **(5)** | 6,000k **(6)**  
 Where **(YY)** - CRI and can be **(85)** or **(95)** (Note CRI95 will result in a 10% reduction in stated efficacy)  
 Or replace all with Ambrite™ **(AMX)** or **(AMH)**, for photosensitive applications, from pharmacy to wildlife protection.  
 Performance figures based on 4,000k @ CRI85 in an open fixture operating at Ta25°C

The chart above provides the driver settings to achieve an in-luminaire optical equivalent output based on a 1:1 replacement when upgrading from T5 Fluorescent to T5C, exceeding drive currents indicated for HO settings will void warranty and may lead to early lumen depreciation and or colour change.

The T5C is warrantied for ten years subject to correct installation and on condition that it does not exceed the max drive current indicated. Over the life of the fixture a small change in colour should be expected. The PCBs are comprised of high density LED chips, occasional individual LED failures may occur but will not constitute a warranty claim where the product continues to provide an equivalent output and the appearance is not significantly effected.

## External tube mounted sensors

Isollux T5C is designed to support direct "horseshoe" mount sensors, simply push the sensor onto the tube in the required position, wiring subject to LED driver. Any load acceptable for a T5 fluorescent can be accommodated.



\*High radiant temperatures or unexpected heat sources can potentially damage or significantly impair the performance of the luminaire. Please contact Isollux prior to installation if further information is required.

ISO-T5C-INS-1223

# isollux™

## T5C LED Specifier Series



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Thank you for selecting the Isollux for your LED lighting Solution. At Isollux, we are dedicated to ensuring our products are designed to meet the challenges of commercial applications. Visit our website to discover more about this and other Isollux products.

## IMPORTANT READ BEFORE INSTALLING

This product is only suitable for installation by a qualified electrical contractor. For information regarding this product or if you have any questions relating to its use, please contact Isollux before attempting to install the product.

**DO NOT CONNECT TO MAINS POWER DIRECTLY** - This product is only suitable for use with SELV drivers only.

## INSTALLATION INSTRUCTIONS

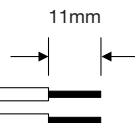
### INSTRUCTIONS

- Ensure the fitting is disconnected from the mains prior to re-wiring the fixture.
- Remove T5 mounts, (tombstone connectors) but keep original wiring
- Strip and prepare 11mm of each cable (2 each end)
- Mount tube to luminaire using the magnetic mounts, bracket or both
- The luminaire is designed to be slightly shorter than the original fluorescent to make installation easier
- The shorter tube will not effect the performance of the luminaire once fitted
- Magnetic mount and bracket can be positioned along the tube to suit the luminaire
- Connect using WAGO connectors provided
- Once connected slide cover to end to cover the gap and any visible cables
- Disconnect the ballast and starter from the circuit and remove from circuit
- Replace fluorescent ballast with LED driver, maintaining existing fused connectors in circuit
- Check and replace fuse if necessary
- Connect the cables to the LED driver in line with the driver requirements
- Note: driver current can be adjusted to reduce or increase output to match HE or HO outputs

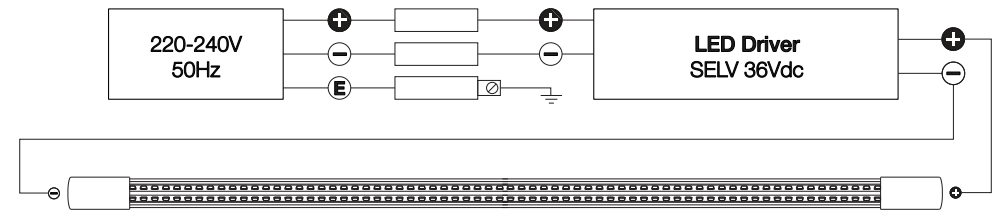
### CONNECTION TO DRIVER

- Note: The calculator\* can be used to correct LED current settings to suit required output
- Note: You are changing from alternating (AC) to direct (DC)
- Each end of the tube is either Live (+) RED & Neutral (-) BLACK
- Check polarity is correct for driver and tube
- Test circuit
- Energise light to confirm operation

\*ISOLLUX T5C DRIVER SETTING CALCULATOR IS AVAILABLE ON REQUEST



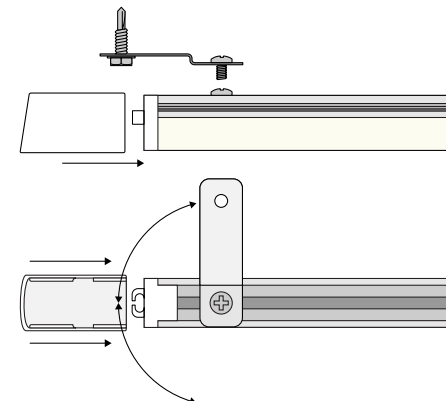
## WIRING GUIDE



**Note:** Drive Current (mA) subject to length and lumen output requirements

### Versatile mounting brackets.

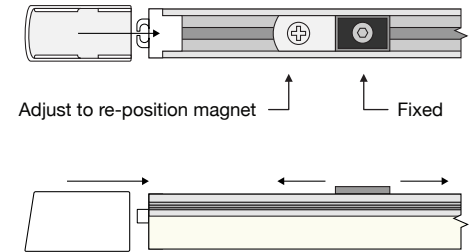
For a direct fix, position the bracket as required and directly fix the tube to the fixture (fixing screw is not provided)



Screw fix using bracket 0-90°  
Slide to optimum position.

### Magnetic catch.

Two magnetic mounts provide a simple solution to secure the T5C tube. They can be fixed at any point along the tube



Adjust to re-position magnet  
Fixed

Magnetic Tube Mount  
Slide to optimum position.

### WARRANTY:

The LED tube is provided with a ten year limited warranty subject to correct installation and operation within the drive currents and maximum ratings of the product.

### NOTE:

Cables that are damaged and other poor connections within the circuit may present a fire hazard, cause damage or void the product warranty. Please check the fittings carefully and ensure sound connection prior to energising the lamp.