



T8 18W LED Sensor Tube Light (1200mm)

Model: LEDTU18WXKS3



Product Overview

ENSA LED tubes are a sustainable alternative to fluorescent tube lights. A conventional fluorescent tube dual-batten installation can consume up to 90W, when including ballasts. When replaced with the ENSA range of LED tube lights, energy consumption can be reduced by as much as 65% for equivalent light output.

ENSA LED tubes also do not emit UV or IR radiation; contain no mercury or other heavy metals; and have a far longer lifespan than their fluorescent counterparts.

The LEDTU18WXKS3 LED sensor tube is an intelligent light installation that dims when no motion is detected. Motion detection range is 7m in a 120° arc. When motion is detected the tube will automatically switch to normal brightness. If no motion is detected after 3 minutes the tube will dim to 30% brightness, returning to energy saving mode.

The LEDTU18WXKS3 can be retrofitted to existing fluorescent tube installations, even those that have magnetic or electronic ballasts. They are ideal for store rooms, garages, underground/storey car parks, underpasses and other areas with intermittent movement.

Specifications

Model: LEDTU18WXKS3		
Optical	Luminous Flux	1800 lumens / 540 lumens (dimmed)
	Luminous Efficiency	> 100 lm/W
	Colour Temperature	5500K (LEDTU18W5KS3)
	Colour Rendering Index	>70
	Beam Angle	120°
	Light Decay	<15% at 20,000 hours
	Rated Lifespan	50,000 hours
Electrical	LED Power Consumption	18W / 5W (dimmed)
	Input Voltage	85-265VAC (50-60Hz)
	Power Factor	> 0.9
	Dimmable	PIR sensor motion detection dimming (ON/OFF time delay: 3 mins)
	Motion Detection	120° arc with max. 7m detection distance
General	Ingress Protection	IP20
	Plug / Socket / Base	T8 standard bi-pin
	Reflector / Diffuser	Frosted polycarbonate diffuser
	Housing Adjustments	N/A
	Operating Environment	-20° ~ 50°C / Max. RH 90%
	Dimensions	Ø25.8 x 1198mm (4ft)

Compliance & Certification



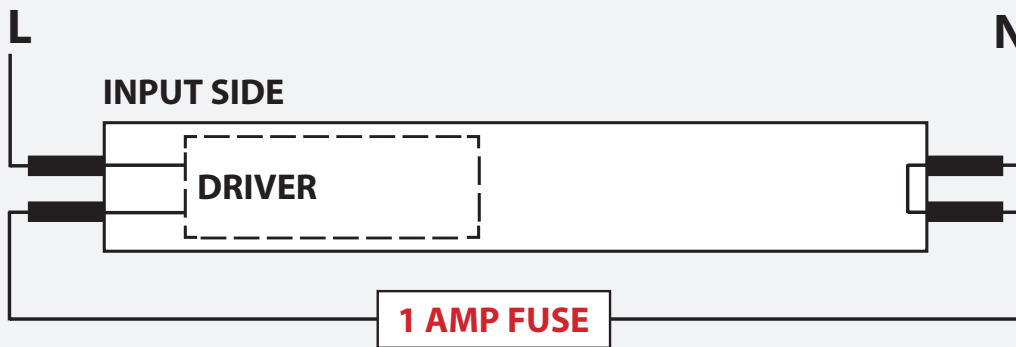
Your ENSA LED lighting dealer:

Please note that this guide applies only to fluorescent light fixtures fitted with standard **Magnetic Ballasts**. Installation in lighting fixtures using **Electronic Ballasts** or non-standard magnetic ballasts will require rewiring by a qualified electrician.

- Step 1** Turn off power at the light switch and leave the light off for at least 10 minutes to cool down.
- Step 2** Remove the fluorescent tube and fluorescent starter from the light fixture, disposing of them accordingly.
- Step 3** Replace the fluorescent starter with the included "LED STARTER" fuse included with the LED tube light.
- Step 4** Fit the new LED tube light into the light fixture and turn on the light switch to test.

Wiring diagrams below are a reference only. Installation by a qualified electrician is recommended.

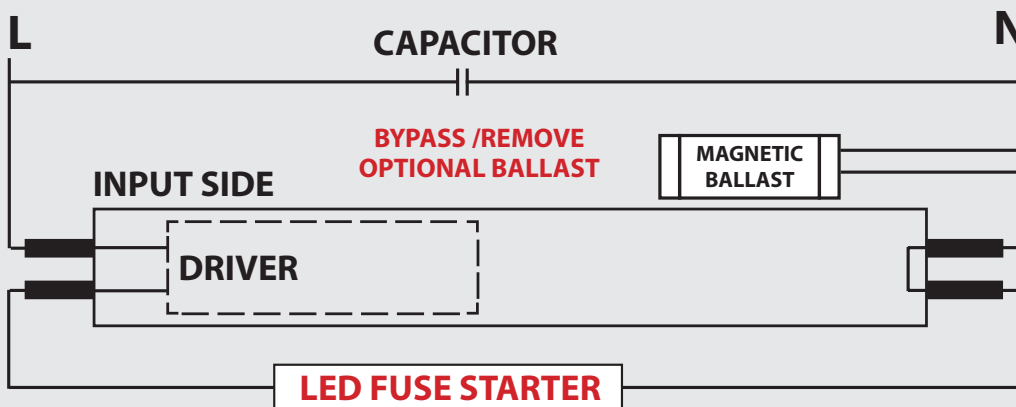
1. New Installation



- To avoid potentially damaging short circuit, wire as per diagram above.

- FOR SAFETY: You **MUST** add 1A Fuse as per the diagram.

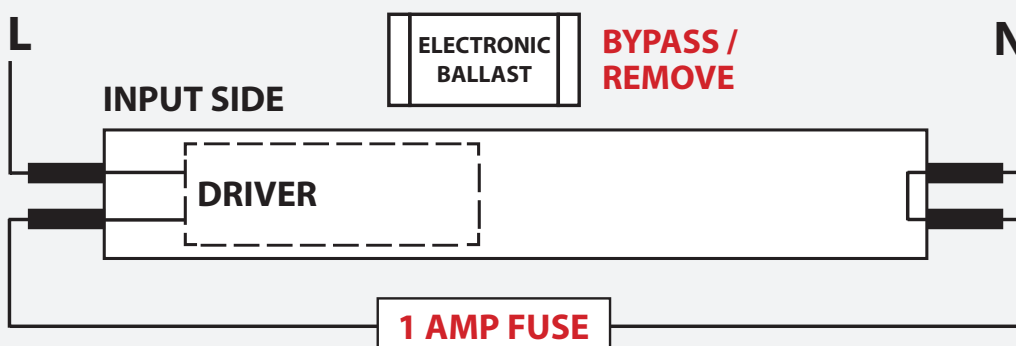
2. Magnetic Ballast Installation



- Bypass/removal of ballast & capacitor improves efficiency & power factor.

- Starter **MUST** be changed to LED fuse starter as per diagram.

3. Electronic Ballast Installation



- The electronic ballast **MUST** be removed or bypassed.

- FOR SAFETY: You **MUST** add 1A Fuse as per the diagram.