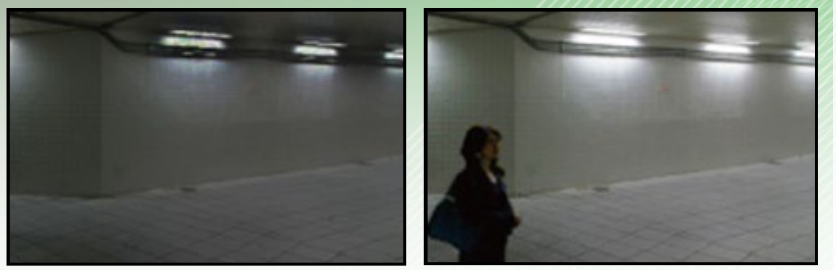
ENSA™
Energy Saving Devices

Model: LEDTU9/19WS3/10

T8 LED Sensor Tube Range

Available in 2ft and 4ft Models

Available in either 3 minute or 10 minute ON-Time Duration



Sensor LED tube light dimmed, conserving energy when no movement is detected (left); Light at full power when movement is detected (right).

Overview

In places where there is low people-traffic and a requirement to be constantly illuminated, even greater energy savings can be achieved through the use of sensor tube lighting.

The inclusion of an infrared sensor means that the light dims when there's no movement in a room. Whilst movement is detected the light will switch to maximum brightness for 3 or 10 minutes (model dependent).

Sensor LED tube lights use less power when dimmed which contributes to your energy savings. This makes it perfect for car parks, underground tunnels or passage-ways and other areas with intermittent people traffic.

Features

- Infrared sensor provides minimum energy savings of 60%~80% energy consumption.
- Cool light reduces the ambient temperature.
- Energy saving and environmentally friendly.
- No UV or IR radiation.
- No warm up: LED lights are at maximum intensity only seconds after they are switched on.
- Powered from single end of LED tube.
- Reduce carbon emissions.

Specifications		
Model Number	LEDTU9WS3/10	LEDTU19WS3/10
On-Timer Duration	3 Minutes OR 10 Minutes	
Input Voltage	100-240V AC 50/60Hz	
Power Consumption (full/dim)	9W / 2W	19W / 4W
Luminous Flux (full/dim)	630 / 130 lm	1350 / 280 lm
Colour Rendering Index	> 60	
Rated Lifespan	50,000 hours	
Colour Temperature	5000K	
Operational Temperature	-20°C ~ 40°C	
Beam Angle	120°	
Socket Base	G13	
Cover	Frosted Diffuser	
Dimensions	Ø30.5 x 580 (mm)	Ø30.5 x 1198 (mm)
Net. Weight	0.27kg	0.47kg

Light Distance Distribution

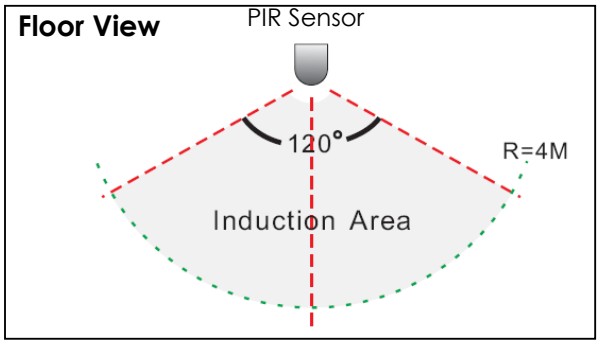
Straight-down Illumination Distribution
For LEDTU10W (800lm) and LEDTU20W (1600lm)

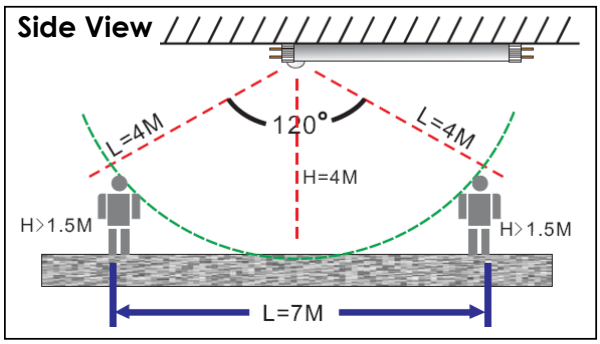
FITTING HEIGHT	CENTRE BEAM LUX 9W	19W
1m	165 lx	320 lx
2m	45 lx	95 lx
3m	20 lx	45 lx

Infrared Motion Sensor Operation

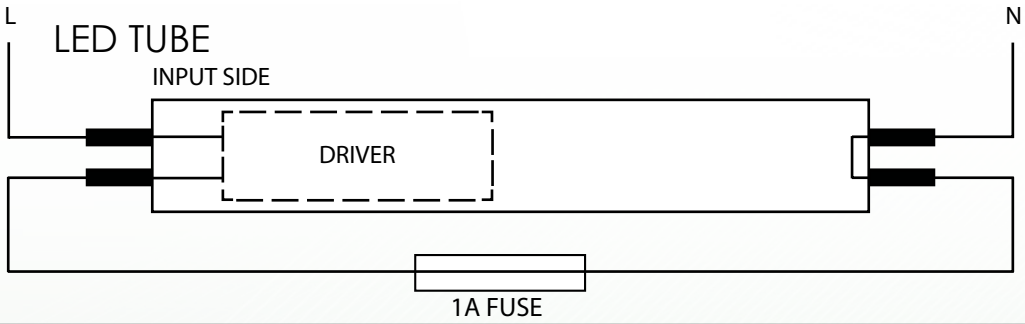
1. When movement is detected within a 4m radius (120° angle of sight) of the LED tube installation the LED tube will brighten.

2. After 3 or 10 minutes (model dependent), if no movement is detected in the 4m radius of the infrared sensor, the LED tube light will return to its dimmed brightness setting.





Installation Method 1 - New Installation

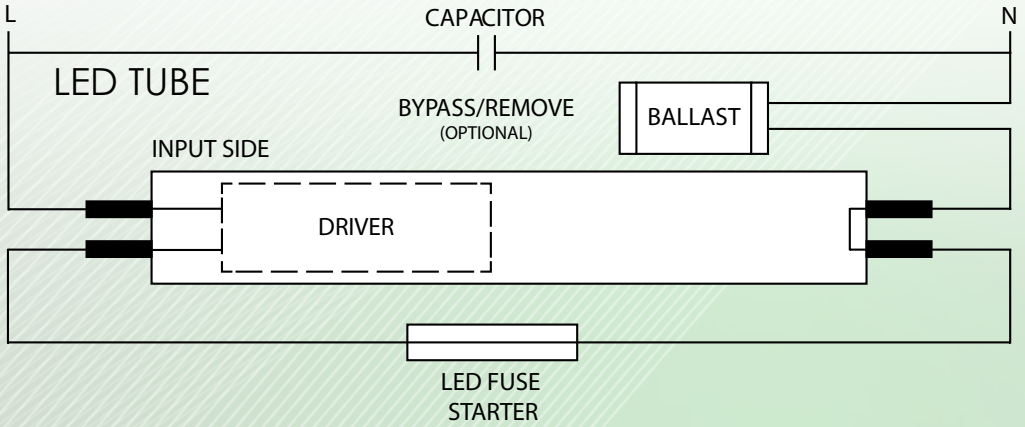


Notes

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

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

Installation Method 2 - Magnetic Ballast Retrofit Installation

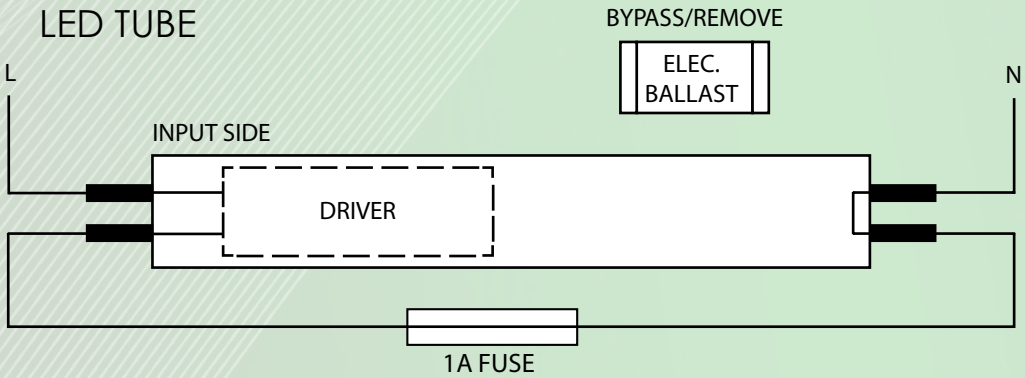


Notes

- Bypassing/removing the magnetic ballast and capacitor will increase energy savings and assist with power factor.

- Starter **MUST** be changed to LED fuse starter.

Installation Method 3 - Electronic Ballast Retrofit Installation



Notes

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

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

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