

## T8 LED Motion Sensor Tube Lighting

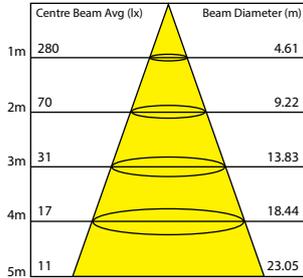
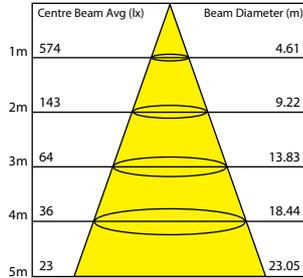
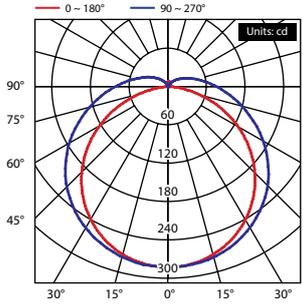
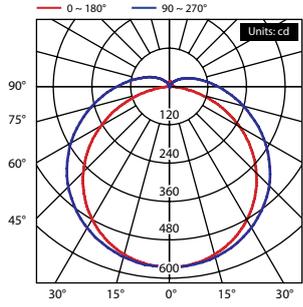
LTU-C series: Available in 600 & 1200mm lengths (2ft/4ft) with motion sensor

Compound your LED energy savings by choosing ENSA™ Intelligent LED Tube Lighting which are not only 50% more energy efficient than conventional fluorescents, but utilise motion sensor technology to achieve impressively low total energy consumption. This makes them the perfect energy efficient light for areas with intermittent people traffic such as in apartment complexes, stairwells, walkways, university campuses and more.

LTU-C series tubes do not require a magnetic or electronic ballast, and each tube features an AC input at one end only and is supplied with an LED starter to replace fluorescent tube fuses. *(see installation diagrams)*

- Cut your energy use in half by switching to LED tubes.
- 360° passive infrared motion detection up to 8m radius.
- 60s delay after last detected motion, then dims to 30%.
- High luminous efficacy for optimal return on investment.
- Long lifespan LED lighting: rated for up to 50,000 hours.
- Supplied with replacement LED starter.

## Series Specifications

Model	LTU-C9-CS	LTU-C18-CS																																				
Product Image																																						
Series Name	LTU-C Series T8 LED Motion Sensor Tube Lights																																					
<b>Optical</b>																																						
Light Output	750lm	1800lm																																				
Luminous Efficacy	83lm/W	100lm/W																																				
Colour Temperature	6000K																																					
Colour Rendering Index	> 80																																					
Beam Angle	120°																																					
Light Decay	< 15% at 20,000 hours																																					
Rated Lifespan	> 50,000 hours																																					
<b>Electrical</b>																																						
Power Consumption	9W	18W																																				
Input Voltage	85 ~ 265VAC	85 ~ 265VAC																																				
Power Factor	> 0.92																																					
Dimmable	Yes																																					
<b>Detection</b>																																						
Motion Detection	8m radius																																					
On-Time Delay	60s																																					
Standby Light Mode	30% brightness																																					
<b>General</b>																																						
Plug / Socket / Base	T8 size / G13 base																																					
Reflector / Diffuser	Frosted diffuser																																					
Housing Construction	Polycarbonate & aluminium																																					
Operating Environment	-25° ~ 40°C																																					
Dimensions	Ø26 x 600mm	Ø26 x 1200mm																																				
Equivalent Wattage	20W fluorescent + ballast	40W fluorescent + ballast																																				
<b>Photometry</b>																																						
Illuminance at a Distance	 <table border="1"> <thead> <tr> <th>Distance (m)</th> <th>Centre Beam Avg (lx)</th> <th>Beam Diameter (m)</th> </tr> </thead> <tbody> <tr><td>1m</td><td>280</td><td>4.61</td></tr> <tr><td>2m</td><td>70</td><td>9.22</td></tr> <tr><td>3m</td><td>31</td><td>13.83</td></tr> <tr><td>4m</td><td>17</td><td>18.44</td></tr> <tr><td>5m</td><td>11</td><td>23.05</td></tr> </tbody> </table>	Distance (m)	Centre Beam Avg (lx)	Beam Diameter (m)	1m	280	4.61	2m	70	9.22	3m	31	13.83	4m	17	18.44	5m	11	23.05	 <table border="1"> <thead> <tr> <th>Distance (m)</th> <th>Centre Beam Avg (lx)</th> <th>Beam Diameter (m)</th> </tr> </thead> <tbody> <tr><td>1m</td><td>574</td><td>4.61</td></tr> <tr><td>2m</td><td>143</td><td>9.22</td></tr> <tr><td>3m</td><td>64</td><td>13.83</td></tr> <tr><td>4m</td><td>36</td><td>18.44</td></tr> <tr><td>5m</td><td>23</td><td>23.05</td></tr> </tbody> </table>	Distance (m)	Centre Beam Avg (lx)	Beam Diameter (m)	1m	574	4.61	2m	143	9.22	3m	64	13.83	4m	36	18.44	5m	23	23.05
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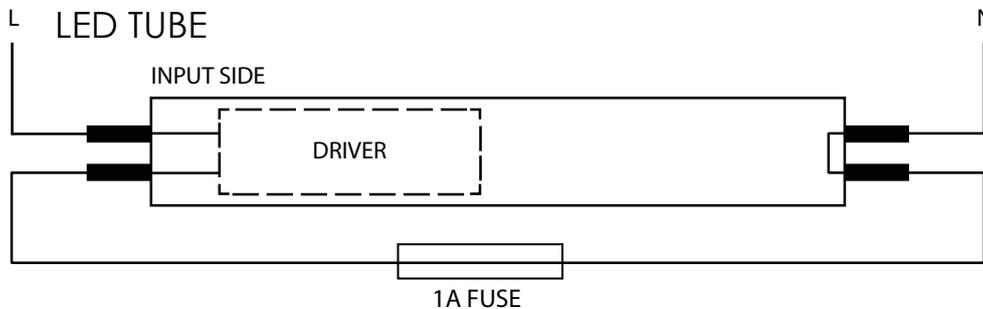
## Ordering Information

Type	Series	Wattage	Colour Temperature	Other Features
LTU	- C	9 (9W) 18 (18W)	- C (Cool white)	S (Sensor)
LTU-C18-CS: 18W LED Tube Light in Cool White with PIR Motion Sensing				

## Guide to ENSA LED Tube Lighting Installation

All LED lighting installations must be carried out by a licensed electrician.

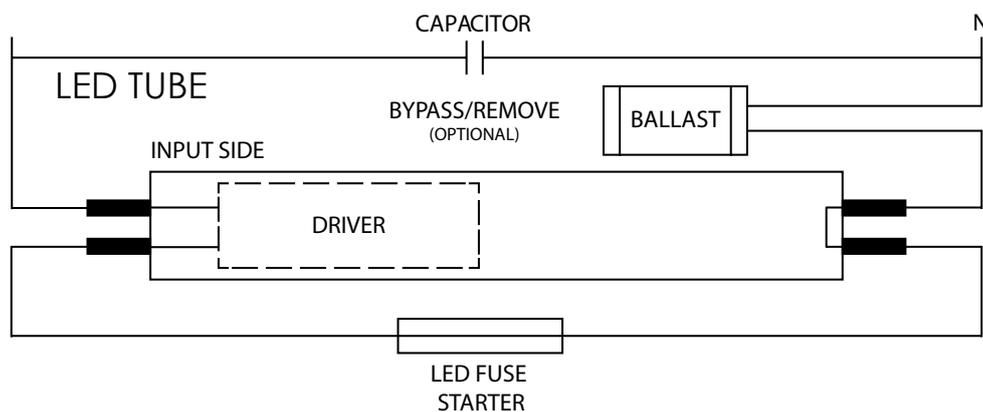
### Installation Method 1 - New Installation



#### 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.

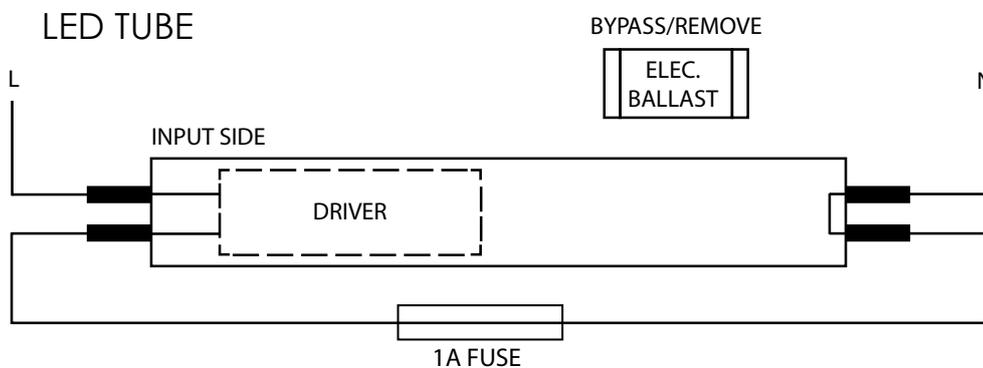
### Installation Method 2 - Magnetic Ballast Retrofit Installation



#### 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.

Your local ENSA™ LED lighting professional: