



LIGHTING TECHNOLOGIES

AUSTRALASIA

LED, UCD and Solar
Advanced Lighting Systems

Importers and Distributors of
Advanced Lighting Technology Systems

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Technical Data Sheet



Our standard LED tube uses only 18W. The movement (PIR or microwave) or sound activated LED sensor tube uses 18W power consumption only and 4 Watt power consumption only if there is no sound or movement in vicinity of the LED tube for set amount of time. It is available in one ended version, if required. The sound or PIR or microwave detection is selectable at ordering time.

Features:

Super high brightness achieved with 288 pcs high brightness LEDs. High efficiency constant current driver and low power consumption. Life span is over 50,000 hours to compare to 3,000 hours of conventional fluorescent tube.

Warranty is 36 months with full replacement.

LED Driver is an isolated robust switch mode built in power supply.

Constant current power supply insures no flicker and instant start.

No harmful UV or IR radiation is emitted.

Easy installation with or without ballast and no starter.

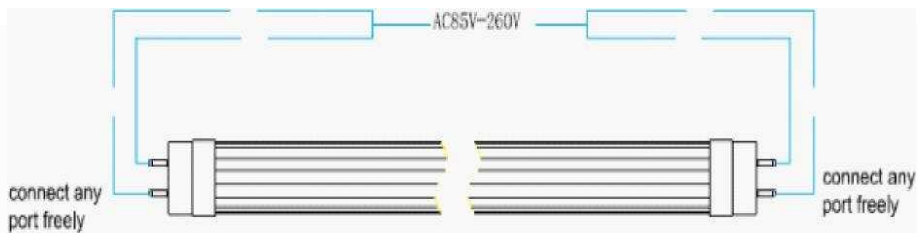
When the sound or movement is detected, the brightness goes up to 100%.

If no sound or movement is detected for 20-30 sec. the power lowers to 4W.

Technical parameters:

Mode No.	Sign	Value	Units
Current	I	450	mA
Power	P	18	W
Led Qty	Pcs	288	Pcs
LED Lumen (unit)	LM	More than 9	LM
Lumen	lm	1800	lm
Storage Temperature	TOPR	-40 - +80	°C
Working Temp	TOPR	-25 - +50	°C
Input Voltage	VOLT	AC85-265	V
PCB	Material	Aluminum alloy	/
Life span	HOUR	50,000	HOUR
Power efficiency	η	0.85	/

Installation Diagram:



Single End 240V wired tubes also available for LED wired fittings.

Installation Procedure:

Replacement of the inductive traditional fluorescent tube

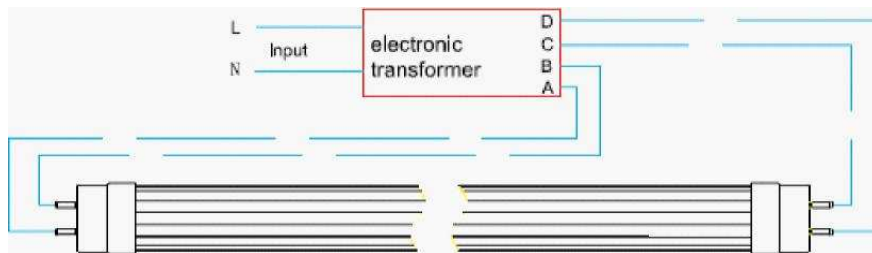
1. Turn the power off before installation.
2. Remove the starter.
3. Remove the traditional fluorescent tube and then install the LED tube.

This is the simplest way, but not recommended due to power losses in the ballast as well as the possible failure of the ballast.

Removal of the electronic ballast:

1. Turn the power off before installation.
2. Remove the ballast.
3. Connect the A and B, C and D together (traditional fluorescent), then connect the base (A and B, C and D) to power.

Traditional tube light connection diagram (electronic transformer)



LED tube light connection diagram (after replacement)