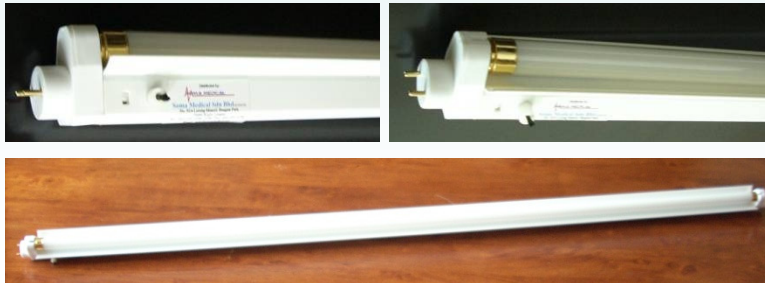


Germicidal Fluorescent Lamp with Nanotechnology and Titanium Dioxide (TiO₂)

The T8/T5 retrofit kit is the latest Medilite product, being the result of many years of research and development.

This kit is used to convert an existing T8 (25 mm diameter 36 watt fluorescent tube) into a T5 (a more efficient and thinner 17 mm diameter fluorescent tube) complete with a Medilite patented long-life electronic ballast and anion generator.

Also included in the kit is a high-quality reflector which focuses the light downwards, thus increasing lighting efficiency.



How to Install?

1. Turn off the power of the existing T8-36W tube.
2. Remove the existing T8-36W tube.
3. Remove the starter from the existing fixture and discard.
4. Install the T5 ballast into the existing socket.
5. Turn the power back on and the tube will instantly illuminate.

Benefits of Medilite Germicidal Fluorescent Lamp

- ELIMINATES** the growth of airborne pathogens and allergens
- NEUTRALIZES** dust, airborne pathogens, viruses, bacteria, molds, mildew, yeasts, fungi, smoke and odours
- DESTROYS** the DNA of dust mites, viruses, bacteria and germs to prevent them from manifesting
- ASSISTS** people suffering from asthma, airborne allergies and sinusitis
- PREVENTS** the spread of airborne diseases spreading amongst families or colleagues in an indoor environment
- CREATES** a healthy and odour-free indoor air environment everywhere
- OZONE-FREE** and environmentally friendly
- ZERO MAINTENANCE** with minimum lifespan of 20,000 hours
- AFFORDABLE** and economical usage for homes and offices
- ENERGY SAVING** as for every two ordinary fluorescent tubes used, only one T8/T5 retrofit is required to replace it
- WARRANTY** – 2 years against manufacturer's defect

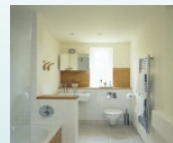
Why Do We Need a Medilite Germicidal Fluorescent Lamp?

- > Energy Saving
- > Poor Indoor Air Quality
- > Airborne Diseases
- > Allergens & Pathogens
- > Asthmatic Issues
- > Foul Odours, Smoke & Haze
- > Sick Building Syndrome
- > Dust Mites
- > Mold, Mildew & Yeast Infestation
- > Volatile Organic Compounds

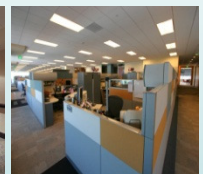
Where to use Medilite GFL?



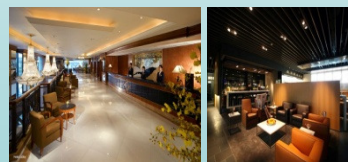
Residential



Offices



Commercial



Advantages of Electronic Ballast vs Magnetic Ballast

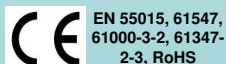
- ❑ Immediate energy saving in excess of 35% using T5 Tubes.
- ❑ T5 tube starts instantly without any flickering.
- ❑ No starter required when using an electronic ballast.
- ❑ An electronic ballast is much safer than a magnetic ballast which can be a potential fire hazard from overheating and when continually trying to start a tube that will not ignite.
- ❑ Overheating magnetic ballasts is a major cause of fires around the world. Due to its superior design and inherent nature of electronic ballasts, they do not overheat.
- ❑ Electronic ballasts are lightweight therefore the T5 conversion kit is easy to handle and install.
- ❑ Electronic ballasts will start up at very low voltage & low temperature making them ideal for use in very cold locations and during the winter months.
- ❑ Electronic ballasts do not cause voltage and current spikes during start up and will not cause interference with radios, Wi-Fi and other electronic equipment.

Advantages of the T8/T5 Converter

- ❑ Total energy consumption of the original light fitting of T8-36W tube with magnetic ballast and starter is approximately **47W**.
- ❑ After replacing the T8 tube with the T5 ballast and tube, the total energy consumption is approximately **22W**, giving an **energy saving of at least 35%**.
- ❑ **Lifespan of the T5 tube is approximately 3 times longer than T8 tube**, due to the non-flickering instant start nature of electronic ballasts plus the fact that long life T5 tubes use high quality Tri-Phosphor powder. A good quality **T8-36W tube is rated at 10,000-15,000 hours as compared to the life of the T5 tube of up to 35,000 hours**.
- ❑ The **T8/T5 ballast operates at a power factor of 0.95, an increase from the original 0.4 power factor** when driven by the magnetic ballast, therefore having a significantly less negative effect on the mains power supply than when driven by the original magnetic ballast.

Advantages of T5 vs T8

- ❑ T5 tubes driven by Medilite e-ballasts have a life of up to **35,000 hours compared to 10,000-15,000 hours** for T8 tubes driven by magnetic ballasts.
- ❑ T5 tubes have a significantly **higher lumen output per watt** of energy consumed.
- ❑ T8 tubes flicker at the rate of 100 Hz which is not detectable by adults, however, **young children and in particular babies do see the flickering** which can be very irritating to their eyes.
- ❑ **Improved light quality** due to the use of Tri-Phosphor which can be set to provide a warmer more comfortable light.
- ❑ T5 tubes are more **environment friendly**, lasting three times as long as T8 tubes and having 84% less mercury to dispose of.



Models meet the Safety Standard AS/NZS 61347-2-3, comply with all EMC requirements, have C-Tick (No. N534) and are compliant with AS/NZS 55015 (CISPR 15, EN 55015).

For more information, please contact:-

Maintenance
F R E E



Patents:
No. GB2256099B (UK)
No. 5,426,344 (USA)

