REDUCING COSTS, IMPROVING LIGHTING



ReFit T5 The Professional T5 conversion

Chalmor's ReFit T5 is a new upgrade system for switch start, quick start and high frequency luminaires. ReFit T5 enables older fluorescent fittings to be converted to the very latest new generation T5 fluorescent technology, offering substantial cost savings and dramatically reducing energy consumption.



ReFit T5 is designed to minimise the investment, but maximise the achievable energy savings. The ReFit T5 conversion has the fundamental components to convert existing T8/T12 fittings to latest technology T5 lamps.

Chalmor's ReFit T5 conversion includes a T5 high frequency ballast to replace existing ballast, new T5 'push on' lamp holders to replace existing lamp holders, new cable to replace internal wiring and T5 lamp clips to secure T5 lamps. ReFit T5 utilises T5 lamps which offer the benefits of an energy efficient light output with a useful operating life of up to 24,000 hours. ReFit T5 also offers instant "On" and re-strike qualities ideal for use with energy saving lighting controls including optionally available dimming control.

Our standard ReFit T5 has a 5 year warranty* and our special miniature control gear version comes with a 2 year warranty*. ReFit T5 is available for 2ft, 3ft, 4ft, 5ft, 6ft and 8ft T8/T12 fittings.

Why Choose ReFit T5?

The phase out of low efficiency light sources, in line with the EuP directive (Eco-Design Requirements for Energy-Using Products, 2005/32/EC), means that many organisations will find it increasingly difficult to source replacement T8/T12 lamps.

Waste Electrical & Electronic Equipment (WEEE) Directive and Restriction of Hazardous Substances (RoHS) Directive focus is to minimise the environmental impact of a range of products, including lighting. This includes the gradual phaseout of inefficient light sources between now and 2017.

The first lamps to be affected will be less efficient T8 and T12 fluorescent lamps, as well as poorer performing metal halide and high pressure sodium lamps. Any organisation that is using these low efficiency light sources, therefore, ought to be looking to upgrade their lighting in the near future. Not only will this provide significant financial and energy savings, it will also avoid being 'caught out' when suitable new lamps are no longer available.

* Warranty from date of manufacture

FEATURES

- Fast, cost effective upgrade from T8/T12 to T5
- Up to 60% energy savings
- Reduces carbon emissions
- Avoids problems associated with old and brittle lamp holders
- Eliminates problems with deteriorated wiring in existing fittings
- No need for EMC filters
- Emergency and dimming options also available
- Extended lamp life reduces maintenance costs
- 24,000 hour lamp life, 3 times the lamp life of T8
- Typical Payback <1 year for 24/7 operation
- Increased light output facilitates reduction of total lamp numbers/ installed electrical load
- Standardised lamp sizes ease maintenance and stocking requirements
- Maintained light output, lamps stay brighter longer
- High Frequency Ballast ensures flicker free operation
- Pre-heated Lamp start ensuring no flickering when switched on
- Connect directly to mains
- Uniform installation regardless of fitting type

REDUCING COSTS, IMPROVING LIGHTING



NORMAL CONTROL GEAR

SAFETY AND PERFORMANCE

As you would expect from a company with over 25 years experience in the lighting and controls market, the Chalmor ReFit T5 offers the following benefits:

- Integrated lamp detection
- Operation of T5 lamps of the same length
- Nominal life up to 100,000 hours (at ta 50 °C with a failure rate max. 0.1 % per 1,000 hours)
- Ambient temperature range (-25°C to 55°C)
- Safety shutdown at end of life
- Automatic start after replacement of defective lamps
- Suitable for emergency lighting systems
- Constant luminous flux irrespective of fluctuations in mains voltage
- Suitable for luminaires of protection class 1 and protection class 2
- Temperature protection as per EN 61347-2-3 C5e
- Insulation Displacement Connection (IDC) terminal for rapid wiring

TECHNICAL SPECIFICATION

MINI CONTROL GEAR SAFETY AND PERFORMANCE

- Average life = 50,000 hours (at max ta. with a failure rate < 0.2% per 1,000 hours)
- Ambient temperature range (-15°C to 50°C)
- Safety shutdown at end of life

Specifications may change without prior notice

- Automatic start after replacement of defective lamps
- Suitable for emergency lighting systems
- Suitable for luminaires of protection class 1 and protection class 2
- Temperature protection as per EN 61347-2-3 C5e

TECHNICAL SPECIFICATION

CERTIFICATION

By using the latest control gear and lamps, ReFit T5 complies with current and future European legislation, including EN61347-2-3, EN55015, EN6100-3-2, EN61547. Further information is available on request. Tri-phosphor and amalgam fluorescent lamps comply with EN61195 (safety) and EN60081 (performance) and with nominal initial (100h) lumen values included in this criteria.

ORDER CODES

Understanding order codes:	
Product	. REFIT/T5/KIT
Lamp	. / T5
Existing Fitting Length	. /6′
Single or Twin Format	. /2
Gear Wattage(s)	. /21
Multi Wattage	. MW
Miniature Control Gear	. MINI

2ft REFIT/T5/KIT/2'/1/14/MINI REFIT/T5/KIT/2'/3/14 REFIT/T5/KIT/2'/4/14

3ft

REFIT/T5/KIT/3'/1/21 REFIT/T5/KIT/3'/1/39 REFIT/T5/KIT/3'/2/21 REFIT/T5/KIT/3'/2/39

4ft

REFIT/T5/KIT/4'/1/28/MINI REFIT/T5/KIT/4'/1/28 REFIT/T5/KIT/4'/1/54 REFIT/T5/KIT/4'/1/MW REFIT/T5/KIT/4'/2/28 REFIT/T5/KIT/4'/2/54 REFIT/T5/KIT/4'/2/MW

5ft

REFIT/T5/KIT/5'/1/35 REFIT/T5/KIT/5'/1/49 REFIT/T5/KIT/5'/1/80 REFIT/T5/KIT/5'/1/MW
 REFIT/T5/KIT/5'/2/MW-80

 6ft

 REFIT/T5/KIT/6'/1/2X21

 REFIT/T5/KIT/6'/1/35

 REFIT/T5/KIT/6'/1/35

 REFIT/T5/KIT/6'/1/49

 REFIT/T5/KIT/6'/1/49

 REFIT/T5/KIT/6'/1/80

 REFIT/T5/KIT/6'/2/2X21

 REFIT/T5/KIT/6'/2/35

 REFIT/T5/KIT/6'/2/35

 REFIT/T5/KIT/6'/2/49

 REFIT/T5/KIT/6'/2/80

 REFIT/T5/KIT/6'/2/MW-80

 8ft

5ft (continued)

REFIT/T5/KIT/5'/2/35

REFIT/T5/KIT/5'/2/49

REFIT/T5/KIT/5'/2/80

REFIT/T5/KIT/8'/1/2X28 REFIT/T5/KIT/8'/2/2X28

ReFit T5 may be ordered directly from Chalmor:

E-mailinfo@chalmor.co.uk Telephone0844 351 1199 Fax......01582 748748



Chalmor Limited, Unit 4, Albert Road Industrial Estate, Luton, Bedfordshire LU1 3QF Tel: 0844 3511199 Fax: 01582 748748 email: info@chalmor.co.uk www.chalmor.co.uk