



ReNew T5



ReNew T5 from Chalmor enables existing T8 or T12 fluorescent light fittings to be upgraded to use high efficiency T5 lamps with high frequency control gear – backed by a 5-year warranty*. As such, ReNew T5 provides a truly engineered solution that uses the body of the existing fitting with new lamps, lamp holders and control gear to ensure 'as new' performance and confidence of ongoing reliability.

ReNew T5 provides a customised solution to improve lighting performance and energy consumption without the disruption and cost of installing new fittings – with the potential to cut carbon emissions by as much as 60%.

Ideal for upgrading installations currently using T8 and T12 fluorescent tubes, ReNew T5 installations reduce energy consumption and provide enhanced flexibility making it easier to introduce advanced lighting controls to achieve even higher energy savings. A wide selection of lamps and control gear is available to improve colour rendering, increase lumen maintenance, boost energy efficiency and extend lamp life.

Flexibility is enhanced by the use of a variety of control gear, offering a number of key benefits: Firstly, twin fittings can still use two high efficiency lamps or can be converted to a single high output lamp of up to 80W, or twin lamp fittings can be configured to run with a single set of control gear, thus introducing further economies. Secondly, it enables light levels

*(subject to terms and conditions)

to be adjusted to current needs, rather than historical design parameters. ReNew T5 can even be specified with integral emergency packs.

Another major benefit of ReNew T5 is that it connects directly to the mains supply and no part of the old wiring system or circuitry is re-used. Therefore fittings can be safely upgraded, in most instances no internal wiring or component changes are required. ReNew T5 conforms to all the latest standards, including CE marking.

Upgrading to T5 light sources also provides substantially longer lamp life – typically more than 3 times that of T8 lamps so extending re-lamping intervals and reducing maintenance costs, as well as minimising working at height and lamp disposal requirements in line with the WEEE Directive.

Additionally, T5 lamps lose only around 5% of their light output over their long life, compared to up to 20% for a T8 lamp.

FEATURES

- Quick, cost-effective fluorescent lamp upgrade to T5 from T8/T12
- Major reductions in energy consumption and carbon emissions
- 'As new' performance with 5-year warranty*
- Engineered solution with unparalleled flexibility
- Emergency versions available
- Wide selection of lamps and control gear
- Improved lighting performance as well as saving energy
- Transforms existing lighting with 'brand new' appearance
- Multi-wattage control gear increases design options
- Increased light output facilitates reduction of total lamp numbers/ installed electrical load
- Standardised lamp sizes ease maintenance and stocking requirements
- Enables light levels to be matched to current needs and offers flexibility to address future/changing needs
- Retains EMC integrity
- Extended lamp life reduces maintenance costs



Chalmor

Experts in Energy Saving
Lighting and Heating



SAFETY AND PERFORMANCE

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

- Dedicated ECG types for HO (High Output) and HE (High Efficiency) lamps
- 50,000 hours lifetime*
- Preheat start within 1 second
- Constant light output for $U_N = 198\text{ V}$ to 264 V
- Reliable lamp ignition at $t_a = -20\text{ °C}$ to $+50\text{ °C}$
- Cut-Off technology
- Energy Efficiency Index = A2
- Automatic safety shut down at end of lamp life or in case of failure acc. to EoL T.2
- Automatic ignition after lamp replacement
- Suitable for emergency lighting (DC operation)

* for $t = 75\text{ °C}$ at t_c ; max. failure rate of 10 %

CERTIFICATION

March 2010 will see the first stage of new Commission of the European Communities regulations with regards to ecodesign requirements (2005/32/EC) for fluorescent lamps, and for ballasts and luminaires able to operate such lamps, and repealing Directive 2000/55/EC.

By using the latest control gear and lamps, ReNew T5 not only complies with future European legislation, but also conforms to EN 60598-1 and relevant Parts 2. Tri-phosphor and amalgam fluorescent lamps comply with EN61195 (safety) and EN60081 (performance) and with nominal initial (100h) lumen values included in this criteria.

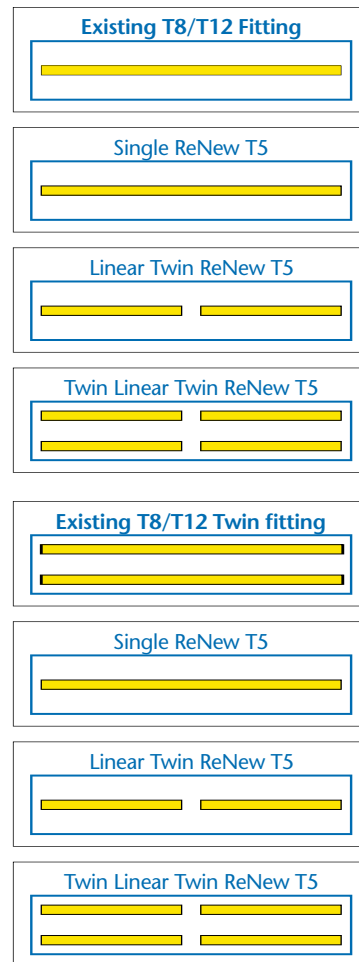
TECHNICAL SPECIFICATION

- Supply voltage 220 to 240V
 Line frequency 50 to 60Hz
 Suitable for emergency lighting (DC operation)
 Lamp start within 1s with optimum filament preheating.
 If there is a temporary interruption in the power supply (<0.5 s) the lamp will start within 0.3 s
 Same luminous flux with direct and alternating current; the battery voltage may drop to 176 V. Ignition must take place above 198 V
 Automatic restart after lamp replacement
Energy Efficiency Index EEI = A2
Approval marks:
Safety acc. to EN 61347-2-3
Lamp operation acc. to EN60929
RI suppression: acc. to EN55015
Line harmonics: acc. to EN 61000-3-2
Immunity acc. to EN 61547

Specifications may change without prior notice

ORDERING RENEW T5

The diagram shows some of the configurations that can be applied to existing T8/T12 light fittings:



The ReNew T5 is available for 4ft, 5ft, 6ft and 8ft fittings and emergency lighting options are also available. For further information please call our office on 01582 748700.

- Understanding order codes**
 ProductRENEW
 Lamp/T5
 Existing Fitting Length/6'
 Single or Twin Format/2
 Lamp T5 Configuration/2X21
 Gear Wattage(s)/21/39

ORDER CODES

- 4ft**
 RENEW/T5/4'/1/28
 RENEW/T5/4'/1/54
 RENEW/T5/4'/1/28/54
 RENEW/T5/4'/2/28
 RENEW/T5/4'/2/54
 RENEW/T5/4'/2/28/54
- 5ft**
 RENEW/T5/5'/1/35
 RENEW/T5/5'/1/49
 RENEW/T5/5'/1/35/49
 RENEW/T5/5'/1/80
 RENEW/T5/5'/2/35
 RENEW/T5/5'/2/49
 RENEW/T5/5'/2/35/49
 RENEW/T5/5'/2/80
- 6ft**
 RENEW/T5/6'/1/35
 RENEW/T5/6'/1/49
 RENEW/T5/6'/1/35/49
 RENEW/T5/6'/1/80
 RENEW/T5/6'/1/2X21
 RENEW/T5/6'/1/2X39
 RENEW/T5/6'/1/2X21/39
 RENEW/T5/6'/2/35
 RENEW/T5/6'/2/49
 RENEW/T5/6'/2/35/49
 RENEW/T5/6'/2/80
 RENEW/T5/6'/2/2X21
 RENEW/T5/6'/2/2X39
 RENEW/T5/6'/2/2X21/39
- 8ft**
 RENEW/T5/8'/1/2X28
 RENEW/T5/8'/1/2X54
 RENEW/T5/8'/1/2X28/54
 RENEW/T5/8'/2/2X28
 RENEW/T5/8'/2/2X54
 RENEW/T5/8'/2/2X28/54



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