



EasiFit T5

Up to 53% savings with 1 year payback!



Fast, cost-effective kit for upgrading T8 light fittings to energy-efficient T5 light sources

The new EasiFit T5 kit from Chalmer provides a fast and cost effective way to upgrade existing light fittings equipped with T8 lamps to longer-lasting, more efficient, higher output T5 lamps.

Modern T5 linear fluorescent tubes are up to 50% more efficient than older T8 tubes, providing higher light output and longer life. Upgrading to T5 lighting, therefore, saves energy and reduces the maintenance costs associated with replacing tubes. Typical payback times are as low as 1 year based on 5' lamps used 24/7 and less than 3 years when used 10 hours per day.

EasiFit T5 is a complete kit for converting existing T8 light fittings – using either conventional or low loss ballasts –

to energy efficient T5 lamps. EasiFit T5 is a complete kit that requires no specialist electrical skills and takes less than five minutes per light fitting to install. EasiFit T5 dramatically reduces upgrade costs when compared to installing new T5 fittings, while providing all of the benefits of T5 lighting.

EasiFit comprises simple plug-in adaptors - no wiring required! Included in the kit are the plug-in connectors with integral electronic control gear and a bridge that replaces the starter in the fitting and bypasses the old control gear. For enhanced light distribution, an optional specially designed clip on reflector for T5 lamps is also available along with a range of long life and shatterproof lamp options.

FEATURES

- Fast, cost effective upgrade from T8 to T5
- Typical payback <1 year for 24/7 operation
- Plug in kit - no wiring required!
- Complete adaptor kit includes all parts
- Provides up to 53% energy savings
- 24,000 hour lamp life, 3 times the life of T8 lamps
- 48,000 hour extra long life lamp option
- Maintained light output - lamps stay brighter longer



Chalmer

Experts in Energy Saving
Lighting and Heating



ENERGY SAVINGS

A simple comparison illustrates the benefits of upgrading to T5 lighting using the EasiFit T5.

58W T8 lamp with conventional ballast

53% Energy Savings with same Light Output

- A 5' 58W T8 lamp with conventional ballast consumes 77W of electricity because of 19W ballast losses.
- A 35W T5 lamp provides the same light output as a 58W T8 fitting.
- A 35W T5 lamp has just 1.2W of ballast losses, leading to a total electrical consumption of 36.2W.
- The result is a 53% saving of over 40W per fitting.

58W T8 lamp with low loss electronic ballast

45% Energy Savings with same Light Output

- A 5' 58W T8 lamp with low loss ballast has 8W of ballast losses, providing a total electrical consumption of 66W.
- As noted above, a 35W T5 lamp, providing the same light output as a 58W T8 lamp, has a total electrical consumption of 36.2W.
- The result is a 45% saving of around 30W per fitting.

Additional benefits

In addition to energy savings, T5 lamps offer considerable savings in cost of ownership through up to 3 times longer life than conventional T8 lamps and enhanced maintenance of light output.

EasiFit T5 is the only fully certified electronic ballast adapter system to guarantee double-sided pre-heating of the lamp. In practical terms, this extends the already long life of the T5 lamp to 24,000 hours – three times longer than the 8,000 hours typically achieved by T8 lamps with conventional ballasts.

Furthermore, the T5 lamp only loses 5% of its light output throughout its long life, compared to 20% loss of light output during the life of a T8 lamp.

The result is greatly extending re-lamping schedules, less disruption caused by re-lamping and less health and safety issues gaining access to light fittings for re-lamping.

EasiFit is fully certified to TUV and VDE standards.

TECHNICAL DATA

Soft start (warm start) due to preheated electrodes.

Reduced preheating current after lamp start

Input voltage	.....	230V
Frequency	.....	50-60kHz
Input current	.....	0.15A - 0.17A
Nominal input power	.....	35W – 37W
Power Factor	.....	cos phi 0.951
Max. Environmental		
operating temperature	.....	Ta = 50°C
Max. device temperature	.....	Tc = 70°C
Energy Classification EEI	.....	A3
Safety class system	.....	II

Licenses include:

WEEE – Reg. Nr. DE 40960068		
EN 61000-3-2	EN61000-3-3	EN61000-4-4
EN61000-4-5	EN61000-4-11	EN61347-1
EN61347-2-3	EN60598	EN60400
EN55015	EN60929	

ORDER CODES

Conversion Kits:

EZT5/4'	.....	Conversion kit for 4' lamps
EZT5/5'	.....	Conversion kit for 5' lamps
EZT5/4'/IP54	.....	Conversion kit for 4' lamps IP54
EZT5/5'/IP54	.....	Conversion kit for 5' lamps IP54

Reflectors:

EZR/4'	.....	Clip on reflector for 4' lamps
EZR/5'	.....	Clip on reflector for 5' lamps

Lamps:

T5/4'	.....	T5 4' lamp
T5/5'	.....	T5 5' lamp
T5/4'/SP	.....	T5 4' lamp shatterproof
T5/5'/SP	.....	T5 5' lamp shatterproof
T5/4'/LL	.....	T5 4' extra long life lamp
T5/5'/LL	.....	T5 5' extra long life lamp
T5/4'/LL/SP	.....	T5 4' extra long life lamp shatterproof
T5/5'/LL/SP	T5 5' extra long life lamp shatterproof

EasiFit T5 may be ordered directly from Chalmor:

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