



# T5 HIGH EFFICIENT LONG LIFE

**Guaranteed up to 48,000 Hours**

The Aura T5 High Efficient is a 16mm diameter long life triphosphor fluorescent lamp with three times longer service life compared to standard T5 HE lamps. The T5 LL HE gives high colour rendering of Ra 85.

T5 HE fluorescent lamps are optimised for indoor lighting. They have a 40% smaller diameter compared to 26mm T8 fluorescent lamps. The length is 5cm shorter which fits better in modular luminaries for ceilings.

The T5 LL HE are highly efficient with an added advantage that the lumen output and high efficacy gives the same aesthetic appearance on each wattage. However the T5 LL HE gives an extended service life over the standard T5 HE range.

The luminous flux is optimised at 35°C which is the running temperature of standard indoor fittings.

T5 LL HE is developed with the patented cathode construction. The design, together with strict quality controls during a high precision manufacturing process, provide a unique fluorescent lamp.

Operation is only possible with electronic HF ballast (warm start) in standard luminaries for T5 HE lamps.



## Long Life Lights

The Long Life Lights concept comprises light sources with extra long service life. The concept is the result of innovative product development and rigorous quality control. For our customers, the unique service life means that light sources do not need to be changed so often, which reduces their maintenance costs. The products in the concept are therefore an investment for our customers and for the environment. Products such as fluorescent tubes and light bulbs are developed, manufactured and sold within the framework of the Long Life Lights concept.



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**The Greenstock Lamp Company**

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## Applications

The T5 LL HE is directed for use in areas where luminaires for T5 HE are installed. It is possible to operate them at the existing electronic HF ballasts.

## Lifetime

The service life of T5 LL HE is 48,000 hours when operated with an electronic HF ballast (warm start). The service life is reached when the amount of light in an installation falls to 70% of the initial 100 hour value.

The service life of the lamp failure rate and the lumen depreciation are calculated according to IEC/EN 60081, which is based on a three hour operation switching cycle.

## Long Life Guarantee

The Aura long life fluorescent lamps are manufactured in accordance with IEC/EN 60081. For economical reasons Greenstock recommends group replacement of fluorescent lamps.

With group replacement Aura guarantees the following service life:

**T5 LL HE 14W, 21W, 28W, 35W    48,000 Hours**

## PRODUCT INFORMATION

Cap: G5 Type	Colour	Colour Temp (K)	Luminous Flux (lm/100h)	Luminous Efficacy (lm/W)	Diameter (mm)	Length without Pins (mm)	Packing Unit (pcs)	Lifetime (hrs)	Art No	Colour Rendering Ra
T5 LL 14W/830	W White	3000	1350	96	16	549	25	48,000	454013	85
T5 LL 14W/840	White	4000	1350	96	16	549	25	48,000	454014	85
T5 LL 21W/830	W White	3000	2100	100	16	849	25	48,000	454023	85
T5 LL 21W/840	White	4000	2100	100	16	849	25	48,000	454024	85
T5 LL 21W/830	W White	3000	2900	104	16	1149	25	48,000	454033	85
T5 LL 28W/840	White	4000	2900	104	16	1149	25	48,000	454034	85
T5 LL 35W/830	W White	3000	3650	104	16	1449	25	48,000	454053	85
T5 LL 35W/840	White	4000	3650	104	16	1449	25	48,000	454054	85



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