



# Super EX Mono Pin Long Life Lighting for Critical Areas

**Guaranteed up to 40,000 Hours**

The Super EX-LL is a T8 26mm diameter long life high quality triphosphor fluorescent lamp with a special single pin socket Fa 6 for use in luminaries in where the risk of explosion exists.

The construction of the Super EX-LL originates from the special application sector where safety is of paramount importance.

The Super EX-LL must be operated by special electronic ballasts. The lamp ignition gives an effective cold start without preheating. The connection through the special unique dimension single pin socket prevents sparking effects when the lamp ignites.

Compared to ordinary standard lamp single pin T12 38mm diameter fluorescent lamps, the Super EX-LL range gives the following advantages:

- Energy efficiency: 18W can be used instead of 20W  
36W can be used instead of 40W  
58W can be used instead of 65W
- More light: Up to 40% higher luminous flux
- Better light: High quality triphosphor with high colour rendering Ra 85

Super EX-LL lamp encompasses two special patents for the unique cathode construction and the inside protection layer.

The design, together with strict quality controls during the high precision manufacturing process, provides a fluorescent lamp for use under very special circumstances.

## 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.



The Greenstock Lamp Company



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# Super EX Long Life

## Applications

Super EX-LL is developed for use in explosion proof areas such as oil rig platforms, refineries and chemical production plants.

## Lifetime

The service life of Super EX-LL is 27,000 hours when used in conjunction with an electronic ballast.

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.

If Super EX-LL is used on a  $\geq 20$  hour switching cycle, the lifetime of the lamp can be extended to 40,000 hours.

See graph 2 for lifetime related to the number of burning hours per ignition.

## Long Life Guarantee

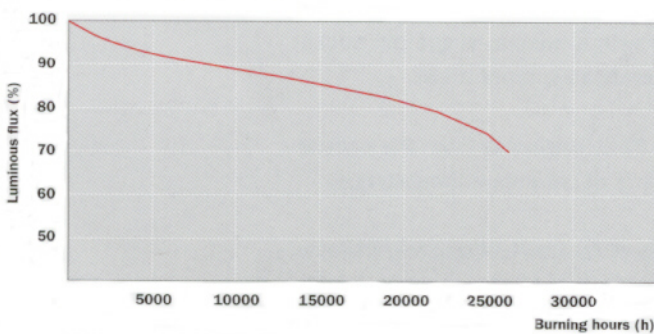
The Aura Long Life fluorescent lamps are manufactured in accordance with IEC/EN 60081. For economical reasons Greenstock recommends group replacement of fluorescent lamps.

With group replacement and electronic operation Aura guarantees the following service life:

**Super EX-LL 18W, 36W, 58W: 27,000 Hours**

Graph 1

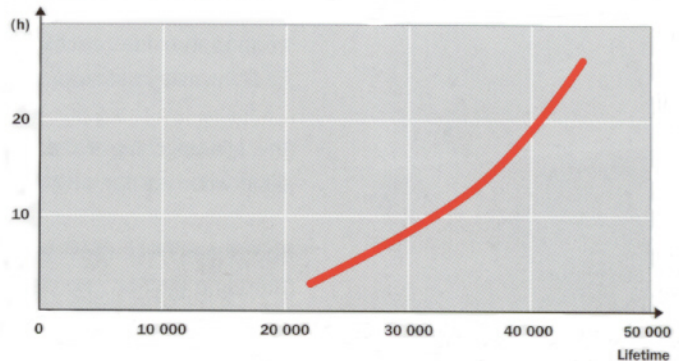
Service life of Super EX-LL



18 W, 36 W and 58 W

Graph 2

Burning hours per ignition



## PRODUCT INFORMATION

Cap: Fa6 Type	Colour	Colour Temp (K)	Luminous Flux (lm/100h)	Luminous Efficacy (lm/W)	Diameter (mm)	Length without Pins (mm)	Packing Unit (pcs)	Service Life (hrs by use HF ball)	Art No	Colour Rendering Ra
18W/840	White	4000	1300	78	26	574	25	27,000	45 1275	85
36W/840	White	4000	3300	97	26	1183.5	25	27,000	45 1285	85
58W/840	White	4000	5100	95	26	1484	25	27,000	45 1293	85



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