

**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.

# Aura *SUPER EX*

LONG LIFE

lighting for critical areas



Aura *SUPER EX* Long Life is a 26 mm diameter high quality tri-phosphor fluorescent lamp with a special single pin cap Fa6 for use in luminaires in explosion proof areas.

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 cap prevents sparking effects when the lamp ignites.

Compared to ordinary standard lamp single pin T12 38 mm diameter fluorescent lamps the *SUPER EX* range gives the advantages:

- Energy efficiency 18 W instead of 20 W  
36 W instead of 40 W  
58 W instead of 65 W
- More light – up to 40% higher luminous flux
- Better light – high quality tri-phosphor with high colour rendering Ra 85

*SUPER EX* LL is based on two special patents. One for our unique cathode shield construction and the other for 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.

**Oilrig platforms**

**Refineries**

**Chemical production**

**Plants and laboratories**

## Applications

**SUPER EX Long Life** is developed for use in explosion proof areas such as oilrig platforms, refineries, chemical production plants and laboratories.

## Lifetime

Service life is reached when the amount of light in an installation falls to 80% of the initial 100-hour value. Service life of the lamp failure rate and the lumen depreciation is calculated based on a 3-hour operation switching cycle according to IEC/EN 60081.

In installations where lamp replacement is difficult and cost intensive, the long running time of **Aura Long Life** lamps gives more cost effective lighting maintenance and improved long term planning for group replacement. Group replacement of fluorescent lamps provides an optimal control of the operational costs and a uniform level of light.

For economical and environmental reasons **Aura** recommends group replacement of Long Life fluorescent lamps.

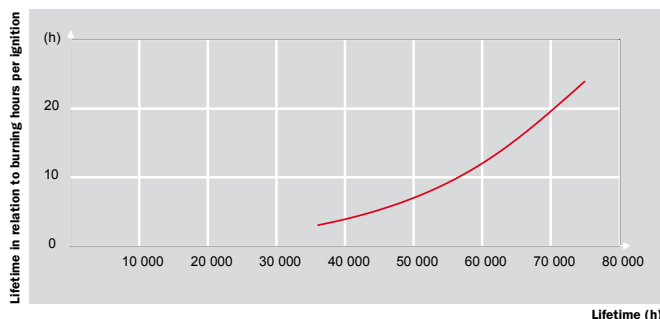
## Long Life guarantee

The **Aura Long Life** fluorescent lamps are developed and manufactured in accordance with the IEC/EN 60081 standard. Continuous strict quality control processes secure fluorescent lamps of top quality.

**Aura** guarantees the published service life of the Long Life fluorescent lamps for installations that comply with the relevant standards.

LIFETIME	SWITCHING CYCLE	ELECTRONIC BALLAST (WARM START)
	<b>3 h (Service Life)</b> 80% light available	<b>36.000 h</b>
	<b>12 h</b> 10% mortality rate	<b>60.000 h</b>
	<b>One single start</b>	<b>75.000 h</b>

## LIFETIME AURA SUPER EX LONG LIFE



PROGRAMME	TYPE	COLOUR	COLOUR TEMPERATURE (K)	LUMINOUS FLUX (lm/100 h)	LUMINOUS EFFICACY (lm/W)	Ø (mm)	LENGTH WITHOUT PINS (mm)	PACK. UNIT (pcs.)	ART. NO.
	<b>Cap: Fa6</b>								
	18 W/840	White	4000	1300	78	26	574	25	451275
	36 W/840	White	4000	3300	97	26	1183,5	25	451285
58 W/840	Gourmé	4000	5100	95	26	1484	25	451293	

