

**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 *ECO SAVER*

LONG LIFE

energy saving and environmentally friendly lighting



Aura T8 Eco Saver Long Life is the first energy saving fluorescent lamp in Long Life version. This means that you save both energy and maintenance, i.e. your energy consumption could be as much as up to 12 percent lower. In addition you can still use your existing luminaires designed for T8 lamps. This makes this unique lamp a suitable solution for customers who want to reduce energy consumption and maintenance costs in a simple way.

Our proven Long Life concept saves you at least 2 out of 3 replacements, as our lamps burn at least 3 times longer than standard products on the market. No other supplier can provide you with a combined energy saving and Long Life solution.

Besides saving money, you are also reducing your CO<sub>2</sub>-emissions. Therefore, this light source is ideal for environmentally conscious customers who want to reduce the effects of their operation on the environment.

WATTAGES	ENERGY SAVING	
	Electronic ballast (warm start)	Magnetic ballast +starter
16 W (suitable for 18 W luminaires)	10%	11%
32 W (suitable for 36 W luminaires)	10%	11%
51 W (suitable for 58 W luminaires)	10%	12%

The Aura T8 Eco Saver Long Life is developed under the conditions of Aura's well known Long Life fluorescent lamps. All our constructions are based on the patented cathode shield and a protection layer inside the glass tube to minimize the lumen depreciation process.

- Indoor applications of:**
- General industrial premises**
- Public buildings**
- Offices**
- Schools**
- Hospitals**
- Shops**

## Specifications

Aura T8 Eco Saver Long Life is suitable for operation in luminaires where a higher temperature level could occur. The data are specified for an ambient temperature of +30 °C. In compact luminaires or when closed by a cover the temperature inside such a luminaire could raise to more than +50 °C. Therefore, the new Aura T8 Eco Saver Long Life provides a perfect solution, especially in applications where a reduction in energy consumption and maintenance costs is essential.

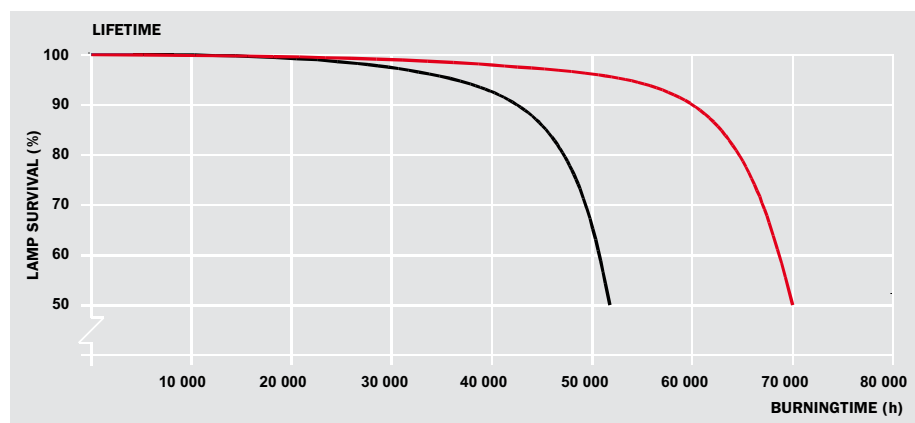
The high quality tri-phosphor fluorescent Aura T8 Eco Saver Long Life is available in colours 830 Warm white and 840 White. The colour rendering remains on the high level of Ra 85.

## Lifetime

Operated with a magnetic ballast the lifetime of Aura T8 Eco Saver Long Life is 43,000 hours based on a 12 hours operation cycle as used in professional segments, or known as "one switch per day". When operated with an electronic ballast the lifetime extends to 60,000 hours, based on a 12 hours operation.

### LIFETIME AURA T8 ECO SAVER LONG LIFE - 12 h switching cycle (11 h on, 1 h off)

OPERATION CIRCUIT: — ELECTRONIC BALLAST (WARMSTART)  
— MAGNETIC BALLAST + STARTER



The 12 h-switching cycle is defined as the time when 10% of the lamps in an installation are failing. The lumen depreciation at this time is indicated with less than 10%.

The long lifetime of Aura Long Life lamps improves long term planning of group replacements. Group replacement of fluorescent and compact fluorescent lamps provides optimal control of the operational costs and a uniform level of light. For economical and environmental reasons Aura recommends group replacement of Long Life lamps.

## Long Life guarantee

The Aura Long Life fluorescent lamps are manufactured in accordance with the IEC/EN 60081 standard. Continuous strict quality control processes ensure Long Life lamps of high quality.

Aura guarantees the published lifetime of the Long Life fluorescent lamps for installations that comply with their relevant standards.

LIFETIME	SWITCHING CYCLE	MAGNETIC BALLAST + STARTER	ELECTRONIC BALLAST (WARMSTART)
	<b>3 h (Service life)</b> (2 h, 45 min on, 15 min off)	36,000 h	50,000 h
	<b>12 h</b> (11 h on, 1 h off)	43,000 h	60,000 h
	<b>One single start</b>	46,000 h	63,000 h

PROGRAMME	TYPE	COLOUR	COLOUR TEMP. (K)	LUMINOUS FLUX (lm/100h)	LUMINOUS EFFICACY (lm/W)	Ø (mm)	LENGTH WITHOUT PINS (MM)	PACK units (pcs)	ART. NO.
	16 W / 830	Warm white	3000	1100	69	26	590	25	459213
	16 W / 840	White	4000	1100	69	26	590	25	459214
	32 W / 830	Warm white	3000	3000	94	26	1200	25	459233
	32 W / 840	White	4000	3000	94	26	1200	25	459234
	51 W / 830	Warm white	3000	4800	94	26	1500	25	459253
	51 W / 840	White	4000	4800	94	26	1500	25	459254

**AURA**  
THE ORIGINAL LONG LIFE LIGHT