

LONG LIFE LIGHTS The Long Life Lights concept comprises light sources with extra long lifetime. The concept is based on continuous innovative product development and strict quality control. For our customers, the unique long lifetime means that light sources do not need to be replaced so often, thus reducing their operational costs. The Long Life products are an investment for our customers and for the environment. Products as fluorescent lamps and incandescent lamps are developed, manufactured and sold within the concept of Long Life Lights.

Aura *PREMIUM*

LONG LIFE

The T5 Long Life fluorescent lamp for economical cost calculation

Aura *PREMIUM* is a new designed high-quality tri-phosphor long life fluorescent lamp. It is a completion of the high quality T5 fluorescent lamps with the diameter of 16 mm. Aura *PREMIUM* offers a service life of 36.000 hours when operated with the specifically defined electronic ballasts.

Aura *PREMIUM* is the alternative long life fluorescent lamp for applications where the replacement is not that difficult. Optimising the costs of operation is an option also for these applications where replacement is not too expensive and the use of long life can be recommended.

The design of the new Aura Premium provides a unique T5 fluorescent lamp with a distinct long service life and a low failure rate over long burning hours.

The *PREMIUM* is a high colour rendering tri-phosphor fluorescent lamp ($\leq Ra 85$). It is available with the most common colours 830 warm white and 840 white.

Wherever a Long Life solution is an option to reduce operational costs and replacement is not too difficult; ware houses, car parks, shops and shopping malls, super markets, hotels, train stations and offices.



Ware houses

Car parks

Shops and shopping

Malls

Super markets

Hotels

Train stations

Offices

Specifications

The Aura *PREMIUM* has the same characteristics for electrical operation and light technical data compared to standard T5 fluorescent lamps. They perfectly fit in all luminaires developed and installed for the use of T5 lamps.

The *PREMIUM* range is designed only for operation with electronic ballast (preferably warm start). It is possible to use these lamps also with electronic dimming ballasts. In this case it is necessary to operate the installation the first hundred hours on 100 % level to stabilise the working process inside the lamps. Then the full advantage of long burning time can be fulfilled.

Lifetime

The service life of Aura *PREMIUM* is 36.000 hours when operated with the distinct electronic ballast (warm start).

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 secure Long Life lamps of top quality.

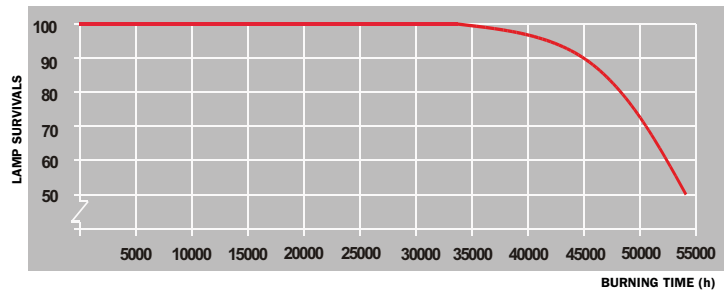
Aura guarantees the published lifetime of the Long Life fluorescent lamps for installations that comply with the relevant standards.

LIFETIME	SWITCHING CYCLE	ELECTRONIC BALLAST (WARMSTART)
	12 h (11 h on, 1 h off)	45,000 h
	3 h (2 h 45 min on, 15 min off)	36,000 h
	average lifetime (12 h cycle, 50% survivals)	54,000 h

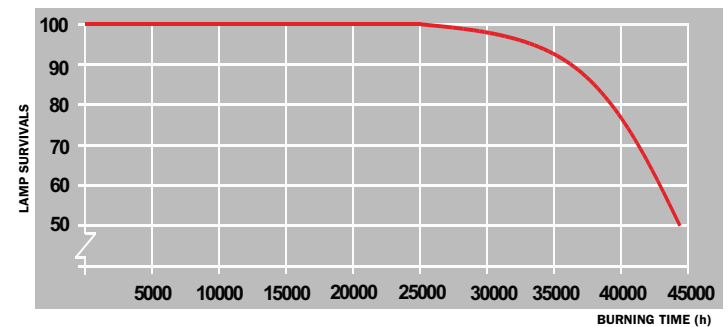
The service life is reached when the amount of light in an installation falls to 80 % of the initial 100-hour value. The service life of the lamp failure rate and the lumen depreciation is based on a 3-hour operation switching cycle according to IEC/EN 60081.

In professional applications the 12 hour operation cycle or "one switch per day" is more usual. In these conditions the lifetime will reach 45.000 hours.

LIFETIME AURA PREMIUM LONG LIFE Ø 16 mm
- 12 h switching cycle (11 h on, 1 h off)



LIFETIME AURA PREMIUM LONG LIFE Ø 16 mm
- Service life, 3h-switching cycle (2h 45 min on, 15 min off)



PROGRAMME	TYPE	COLOUR	COLOUR TEMP. (K)	LUMINOUS FLUX AT 35° C (lm/100h)	LUMINOUS EFFICACY (lm/W)	LUMINOUS FLUX AT 25°C (lm/100h)	LUMINOUS EFFICACY (lm/W)	Ø (mm)	LENGTH WITHOUT PINS (mm)	PACK UNIT (pcs.)	ART. NO.	
	Cap: G5											
	Aura PREMIUM HE Long Life											
	35 W/830	Warm white	3000	3650	104	3300	94	16	1449	25	464033	
	35 W/840	White	4000	3650	104	3300	94	16	1449	25	464034	
	Aura PREMIUM HO Long Life											
	54 W/830	Warm white	3000	5000	93	4450	82	16	1149	25	467033	
	54 W/840	White	4000	5000	93	4450	82	16	1149	25	467034	
	49 W/830	Warm white	3000	4900	100	4300	88	16	1449	25	467043	
	49 W/840	White	4000	4900	100	4300	88	16	1449	25	467044	
80 W/830	Warm white	3000	7000	88	6150	77	16	1449	25	467053		
80 W/840	White	4000	7000	88	6150	77	16	1449	25	467054		



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