Aura Ultimate Long Life

The ultimate fluorescent lighting solution

- **World's longest service life.**
- **Extremely low lamp failure rate.**
- **Good colour rendering.**
- **Reduces maintenance cost by 75%.**
- **Gives better control of replacement costs.**

Ideal for:

- **Production areas**
- **Warehouses**
- **Airports**
- **Signs**
- **Tunnels**
- **Street lighting**

Aura Ultimate Long Life is a tri-phosphor lamp with very good colour rendering and the world's longest service life as well as an extremely low lamp failure rate. This unique T8 lamp set the bar for products with an extended lifetime. When the lamp is operated with an electronic ballast the service life is 80,000 hours and 48,000 hours when operated with a magnetic ballast and starter.

The lamp is designed for applications such as production areas, warehouses, airports, sign lighting, tunnel lighting and street lighting.

Overview

Aura Ultimate Long Life gives you the lowest possible operating cost for your lighting installation. It enables you to make big savings in areas with high ceiling heights or where it is difficult to access the luminaires, or where a production stop for replacing lamps is expensive.

In installations where a lamp replacement is difficult and cost intensive, the long running time of the Aura Ultimate Long Life lamp gives a more cost effective lighting maintenance and improves the long term planning if a group replacement is executed.

Group replacement of fluorescent lamps provides an optimal control of operational costs and gives a uniform level of light. For economical and environmental reasons Aura Light recommends group replacement of Long Life fluorescent lamps.

Lifetime

A lamps service life is defined as the elapsed time when the amount of light in an installation reaches 80% of its initial 100-hour value. According to IEC/EN 60081, the service life of the lamp failure rate and the lumen depreciation is calculated based on the lamp being operated with a switching cycle of three hours.

The three hour switching cycle is defines as having the lamp switched on for two hours and 45 minutes and then switched off for 15 minutes.

A switching cycle that is more close to common use is the 12 hour switching cycle, this is defined as having the lamp switched on for 11 hours and then switched off for one hour, and the lifetime shown is accounted for 10% mortality.

Long Life Technology

Aura Ultimate Long Life is developed based on our patented cathode shield construction. This design provides a unique fluorescent lamp with an exceptional long service life combined with an improved end-of-life protection against overheating. The lumen depriciation process is minimized with a protection layer inside the glass tube.

Technical Information

Aura Ultimate Long Life has the same characteristics for electrical operation and light technical data compared to other T8 (26 mm) fluorescent lamps. It fits in all luminaires developed and assembled for T8 lamps. The Ultimate range is designed for operation with electronic ballast (preferably warm start) or magnetic ballast with starter.

Aura Ultimate Long Life is a high colour rendering tri-phosphor lamp (Ra 85) and is available in several different colours.

Long Life Guarantee

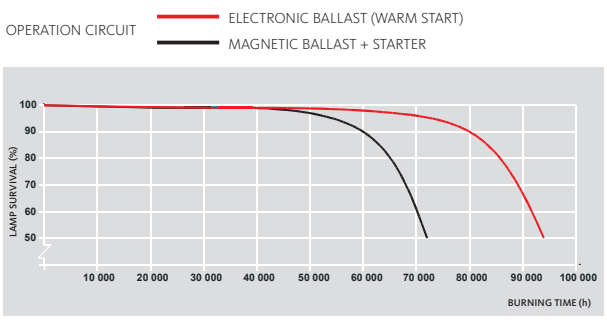
Aura Light guarantees 48,000 hours service life (Magnetic ballast + Starter) and up to 80,000 hours (Electronic ballast, warm start) for Aura Ultimate Long Life for installations that comply with the relevant standards.

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

For more detailed information see our website or contact your Aura Light-representative.For more detailed information on our Long Life guarantees see our website or contact your Aura Light-representative

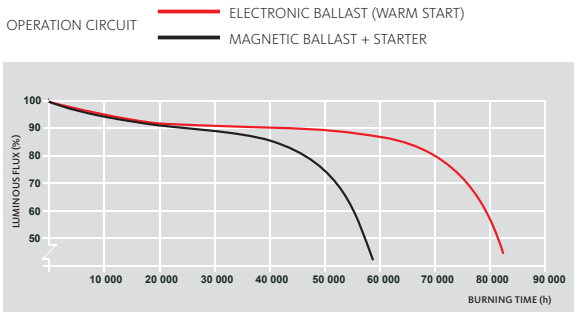
»Aura Ultimate Long Life gives you the lowest possible operating cost for your lighting installation«

Lifetime Aura Ultimate Long Life
12 h switching cycle (11 h on, 1 h off)



The lifetime with a 12 h switching cycle is defined as; the time when 10% of the lamps in an installation have failed. The lumen depreciation at this time is indicated with less than 10%.

Service Life Aura Ultimate Long Life
3 h switching cycle (2 h 45 min. on, 15 min. off)



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

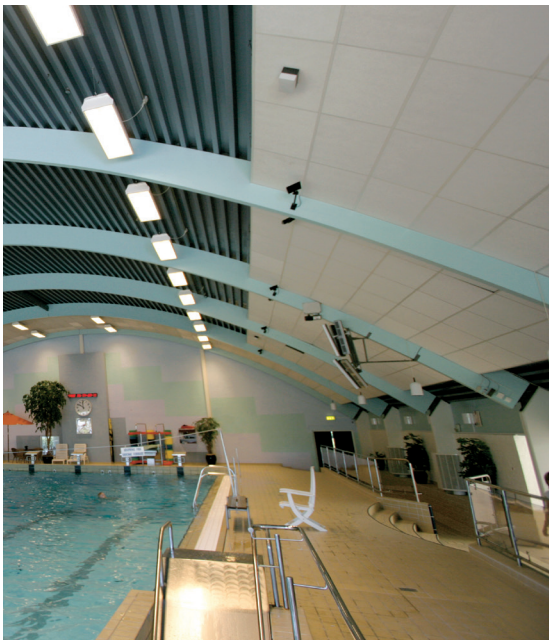
Aura Ultimate Long Life | Technical specifications

PROGRAMME

ARTICLE NO.	TYPE	COLOUR	COLOUR TEMP. (K)	LUMINOUS FLUX (lm/1ooh)	LUMINOUS EFFICACY (lm/W)	LENGTH WITHOUT PINS (mm)	ENERGY CLASS	UNITS/ PACK (pcs)
Aura Ultimate Long Life, T8 Ø 26 mm, Cap G13								
430212	18W 827	Interior	2700	1300	72	590	A	30
430213	18W 830	Warm White	3000	1300	72	590	A	30
430218	18W 835	Middle White	3500	1300	72	590	A	30
430214	18W 840	White	4000	1300	72	590	A	30
430216	18W 865	Daylight	6500	1250	69	590	A	30
430223	30W 830	Warm White	3000	2450	82	895	A	30
430224	30W 840	White	4000	2450	82	895	A	30
430226	30W 865	Daylight	6500	2300	77	895	A	30
430232	36W 827	Interior	2700	3350	93	1200	A	30
430233	36W 830	Warm White	3000	3350	93	1200	A	30
430238	36W 835	Middle White	3500	3350	93	1200	A	30
430234	36W 840	White	4000	3350	93	1200	A	30
430236	36W 865	Daylight	6500	3250	90	1200	A	30
430243	36W 1-M 830	Warm White	3000	3000	83	970	A	30
430244	36W 1-M 840	White	4000	3000	83	970	A	30
430246	36W 1-M 865	Daylight	6500	2900	81	970	A	30
430252	58W 827	Interior	2700	5200	90	1500	A	30
430253	58W 830	Warm White	3000	5200	90	1500	A	30
430258	58W 835	Middle White	3500	5200	90	1500	A	30
430254	58W 840	White	4000	5200	90	1500	A	30
430256	58W 865	Daylight	6500	5000	86	1500	A	30

LIFETIME

SWITCHING CYCLE	MAGNETIC BALLAST + STARTER	ELECTRONIC BALLAST (WARM START)
3 h (Service Life) 80% luminous efficacy	48,000 h	70,000 h
12 h 10% lamp failure rate	60,000 h	80,000 h
One single start	65,000 h	84,000 h



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AURA LIGHT