Aura Sodinette Long Life

High Pressure Sodium lamps with outstanding lifetime







- **Extremely low failure rate.**
- **Very high light output.**
- **UV stop.**
- **Longer lifetime, reduces maintenance with two thirds.**

Ideal for:

- **Street lighting**
- **Tunnel lighting**
- **Public lighting**
- **Car parks**
- **Industrial lighting**
- **Sports facilities**

Aura Sodinette Long Life is a high pressure sodium lamp with a colour temperature of 2100 K and a colour rendering index, Ra 25.

Aura Sodinette Long Life is a beneficial choice in areas with high poles or difficult access to luminaires or where a stop to replace lamps is expensive.

With magnetic ballast and separate ignitor the lifetime for Aura Sodinette Long Life is 48,000 hours (12 hours switching cycle). Operation with specifically designed electronic ballasts is possible, also dimming according to the defined lighting levels of the electronic ballasts.

The lamp is designed for anyone desiring street lighting, tunnel lighting, public lighting, car parks, industrial lighting and sports facilities.

Overview

Aura Sodinette Long Life lamps are designed for operation in existing installation infrastructures. The two super burners of Aura Sodinette Long Life are positioned in the length axis and fixed in a stable holding system which resists vibrations and leads to improved reliability. The super burners offer about 20% increase of the lumen output (up to 147 lm/W) compared to standard HPS lamps. This results in a higher level of light and more economical efficiency.

Group replacement of HPS 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 HPS lamps.

Long Life technology

By equipping Aura Sodinette Long Life with two super burners, it is possible to extend the lifetime significantly. An extended lifetime has also been obtained by reducing the diffusion of sodium, through the patent applied Sodiguard. The Sodiguard is an added ceramic tube placed close to the super burners, which decelerates the process of loosing sodium.

Lifetime

A switching cycle 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. The lifetime for Aura Sodinette Long Life is accounted for this switching cycle and when 10% of the lamps in an installation are failed.

Tecnhical information

Aura Sodinette Long Life complies with the relevant standard IEC/EN 60662 and the geometric data is comparable, both for the elliptical shape (coated) and the tubular shape (transparent). The outer glass is made of a special hard glass which protects the components inside from damage and secures the functionality over the long lifetime. The hard gkass is lead free and is used for all wattages (50 W up to 1000 W). The high level super burners inside are filled with high class components.

The ignition of a HPS lamp requires high power. An integrated support function improves the starting characteristics and act as a starting aid. In case of net power disturbances the Aura Sodinette Long Life restrikes directly based on the two burner technology and no specific cooling is needed.
The Aura Sodinette Long Life has a colour temperature of 2100 K and a colour rendering index, Ra 25. Aura Sodinette Long Life can be operated in any burning position.

Long Life guarantee

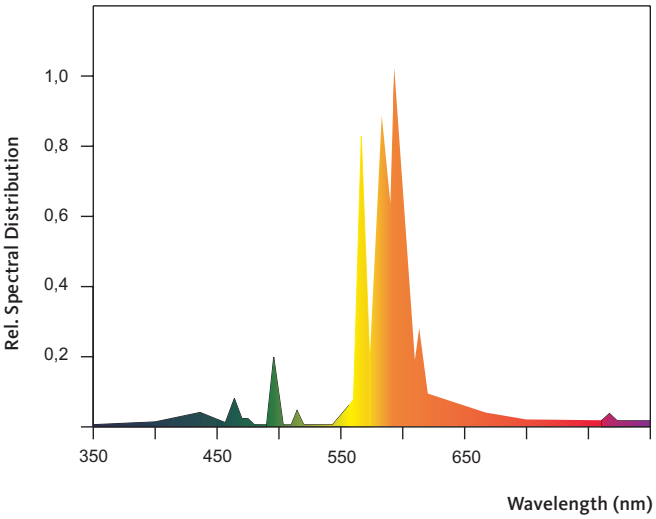
Aura Light guarantees 48,000 hours lifetime (Magnetic ballast and external ignitor, inductive operation) for Aura Sodinette Long Life for installations that comply with the relevant standards.



»By equipping Aura Sodinette Long Life with two super burners, it is possible to extend the lifetime significantly.«



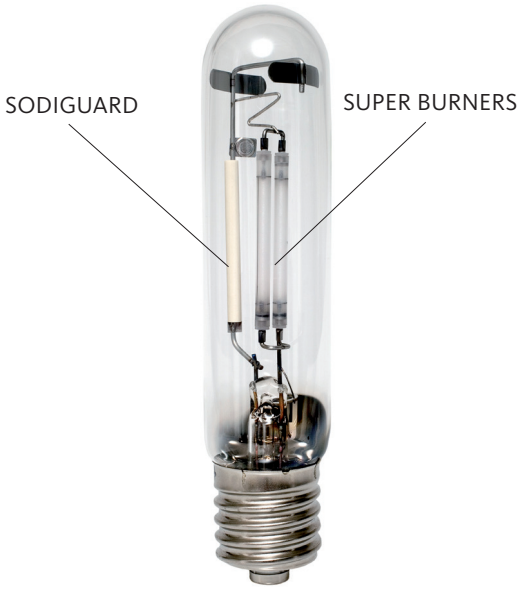
Spectral distribution Aura Sodinette Long LIfe



Aura Sodinette Long Life is developed and manufactured in accordance with the IEC/EN 60662-standard. Continuous strict quality control processes secure high pressure sodium lamps of top quality.

For more detailed information see our website or contact your Aura Light-representative.

LIFETIME	SWITCHING CYCLE (11 h on, 1 h off) Magnetic ballast + Starter	
	Hours of operation	Failure rate
	16,000 h	2%
	20,000 h	4%
	32,000 h	7%
	48,000 h	10%
	70,000 h	50% (average life)

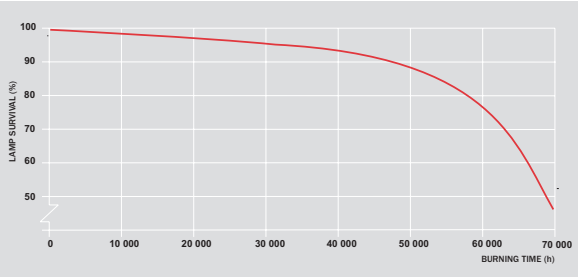


Sodiguard, an additional ceramic tube, is placed close to the two burners.

Aura Sodinette Long Life | Technical specifications

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

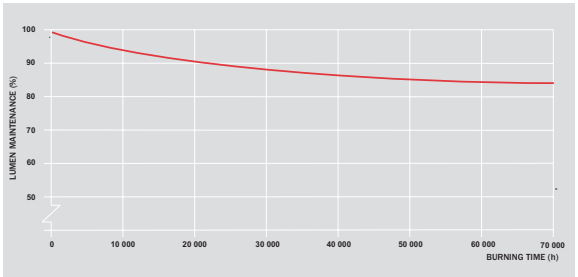
- Operation by magnetic ballast and external ignitor.
- 50-1000W, tubular, transparent and ellipsoid, coated.



The lifetime with a 12 h switching cycle is defined as; the time when 10% of the lamps in an installation have failed.

Lumen maintenance Aura Sodinette Long Life
12 h switching cycle (11 h on, 1 h off)

- Operation by magnetic ballast and external ignitor.
- 50-1000W, tubular, transparent and ellipsoid, coated.



The lumen maintenance over the Long Life burning hours is on high stability. This creates the high economical and environment advantage during the operation

PROGRAMME

ARTICLE NO.	TYPE	COLOUR TEMP. (K)	LUMINOUS FLUX (lm/1ooh)	LUMINOUS EFFICACY (lm/W)	OUTER GLASS TUBE Ø (mm)	LENGTH MAX (mm)	LIGHT CENTRE LENGTH (mm)	CAP	ENERGY CLASS	UNITS/ PACK (pcs)
Aura Sodinette Long Life, tubular, transparent										
500111	ST 50W	2100	4200	84	38	156	102	E27	A	12
500121	ST 70W	2100	6400	91	38	156	102	E27	A+	12
500131	ST 100W	2100	10000	100	46	211	132	E40	A+	12
500141	ST 150W	2100	16500	110	46	211	132	E40	A+	12
500151	ST 250W	2100	32000	128	46	247	158	E40	A+	12
500161	ST 400W	2100	55000	138	46	271	175	E40	A++	12
500171	ST 600W	2100	88000	147	46	283	175	E40	A++	12
500191	ST 1000W	2100	135000	135	65	360	235	E40	A+	12
Aura Sodinette Long Life, ellipsoid, coated										
500211	SE 50W	2100	4000	80	70	156	-	E27	A	12
500221	SE 70W	2100	6000	86	70	156	-	E27	A	12
500231	SE 100W	2100	9500	95	75	186	-	E40	A+	12
500241	SE 150W	2100	15750	105	90	227	-	E40	A+	6
500251	SE 250W	2100	30500	122	90	227	-	E40	A+	6
500261	SE 400W	2100	52000	130	120	279	-	E40	A+	6
500271	SE 600W	2100	84000	140	120	279	-	E40	A++	6
500291	SE 1000W	2100	131000	131	165	360	-	E40	A+	6

* Subject for changes. For the latest version of this product leaflet, please visit www.auralight.com/products.

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AURA LIGHT