



# UNIVERSAL LONG LIFE

**COST EFFICIENT LIGHTING FOR LESS CRITICAL APPLICATIONS**

**Guaranteed up to 44,000 Hours**

The Aura *UNIVERSAL* is a tri-phosphor Long Life fluorescent lamp developed to give you cost efficient lighting for less critical applications. Aura *UNIVERSAL* gives you a service life of 33,000 hours when operated with conventional or low loss ballast and starter.

Aura *UNIVERSAL*'s long life and low failure rates puts you in control of your maintenance and replacement costs and facilitates planning of group-replacements.

Aura *UNIVERSAL* is based on a new developed patented cathode shield construction. This design provides a unique fluorescent lamp with a long service life combined with an improved end-of-life protection against overheating.



## Long Life Rights

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.

The Greenstock Lamp Company



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## Applications

The Aura *UNIVERSAL* is ideal for use wherever a Long Life solution is an advantage, replacement costs are not extremely high, and the luminaries are relatively easy to reach.

ie. Ware houses, Car parks, Shops, Hotels, Train stations, etc.

## Lifetime

The service life of the Aura *UNIVERSAL* is 33,000 hours for 18W, 36W, 36W 1m and 58W for most colours when operated with conventional or low loss ballast and starter and 44,000 hours when operated with an electronic ballast.

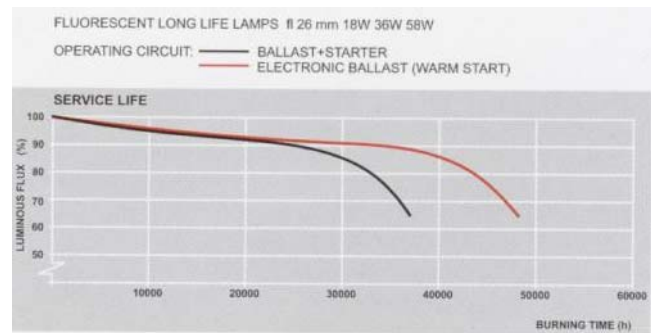
The service life is reached when the amount of light in an installation falls to 80% of the initial 100 hour value.

The service life of the lamp failure rate and the lumen depreciation are calculated according to IEC/EN 60081, which is based on a three hour operation switching cycle. hours.

## Long Life Guarantee

The Aura long life fluorescent lamps are developed and produced in accordance with IEC/EN 60081. For economical reasons Greenstock recommends group replacement of fluorescent lamps.

With group replacement Aura guarantees the service life.



## PRODUCT INFORMATION

Cap: G13 Type	Colour	Colour Temp (K)	Luminous Flux (lm/100h)	Luminous Efficacy (lm/W)	Diameter (mm)	Length without Pins (mm)	Packing Unit (pcs)	Lifetime (hrs)	Art No	Colour Rendering Ra
18W/830	W White	3000	1300	72	26	590	25	44,000	435213	85
18W/835	Mid White	3500	1300	72	26	590	25	44,000	435218	85
18W/840	White	4000	1300	72	26	590	25	44,000	435214	85
18W/845	White Plus	4500	1300	72	26	590	25	44,000	435215	85
18W/865	Daylight	6500	1250	69	26	590	25	44,000	435216	85
30W/830	W White	3000	2450	82	26	895	25	44,000	435223	85
30W/835	Mid White	3500	2450	82	26	895	25	44,000	435228	85
30W/840	White	4000	2450	82	26	895	25	44,000	435224	85
30W/845	White Plus	4500	2450	82	26	895	25	44,000	435225	85
30W/865	Daylight	6500	2300	77	26	895	25	44,000	435226	85
36W 1m/830	W White	3000	3000	83	26	970	25	44,000	435243	85
36W 1m/835	Mid White	3500	3000	83	26	970	25	44,000	435248	85
36W 1m/840	White	4000	3000	83	26	970	25	44,000	435244	85
36W 1m/845	White Plus	4500	3000	83	26	970	25	44,000	435245	85
36W 1m/865	Daylight	6500	2900	81	26	970	25	44,000	435246	85
36W/830	W White	3000	3350	93	26	1200	25	44,000	435233	85
36W/835	Mid White	3500	3350	93	26	1200	25	44,000	435238	85
36W/840	White	4000	3350	93	26	1200	25	44,000	435234	85
36W/845	White Plus	4500	3350	93	26	1200	25	44,000	435235	85
36W/865	Daylight	6500	3250	90	26	1200	25	44,000	435236	85
58W/830	W White	3000	5200	90	26	1500	25	44,000	435253	85
58W/835	Mid White	3500	5200	90	26	1500	25	44,000	435258	85
58W/840	White	4000	5200	90	26	1500	25	44,000	435254	85
58W/845	White Plus	4500	5200	90	26	1500	25	44,000	435255	85
58W/865	Daylight	6500	5000	86	26	1500	25	44,000	435256	85



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