

GUARANTEE

Aura Long Life fluorescent lamps

Aura Light International AB, Karlskrona (Sweden), grants a guarantee for all installed **Aura Long Life fluorescent lamps**

This guarantee is valid for all installations fulfilling the relevant norms. The guarantee is granted for the lifetime of the Long Life fluorescent lamps based on a 12 h switching cycle (11 h on, 1 h off).

Type of Long Life fluorescent lamp		Lifetime (12 h), operated by	
		Magnetic ballast (ind. operation)	Electronic ballast (warm start)
Lamps with high quality tri-phosphor powders and excellent colour rendering (Ra 85)			
Aura T8 ULTIMATE Long Life	18W, 36 W-1m, 36W, 58W	60.000 h	80.000 h
Aura T8 ULTIMATE Long Life	30 W, 38 W	48.000 h	60.000 h
Aura T8 UNIVERSAL Long Life	18W, 36 W-1m, 36W, 58W	43.000 h	60.000 h
Aura T8 UNIVERSAL Long Life	30 W	32.000 h	42.000 h
Aura T8 ECO SAVER Long Life	16W, 32W, 51W	43.000 h	60.000 h
Aura T5 SUPREME HE Long Life	14W, 21W, 28W, 35W	no operation	58.000 h
Aura T5 SUPREME HO Long Life	24W, 39W, 54W, 49 W, 80W	no operation	58.000 h
Aura T5 ECO SAVER Long Life	13W, 19W, 25W, 32W	no operation	58.000 h
	22W, 36W, 45W, 50W, 73W	no operation	58.000 h
Aura T5 PREMIUM HE Long Life	35W	no operation	45.000 h
Aura T5 PREMIUM HO Long Life	49 W, 80W	no operation	45.000 h

The lifetime of the special versions Protector (FEP), Thermo, Reflector and Signette is identical with the inside basic Long Life fluorescent lamp.

Aura Super EX Long Life *) 18W, 36W, 58W no operation 60.000 h

**) Aura Super EX Long Life lamps are only operating with electronic cold start ballast, according to the specific safety requirements in applications of combustive proof areas.*

		Electrical lifetime	
Aura T5 Miniature Long Life	8W, 13W	20.000 h	20.000 h
<i>Electrical failures < 10%, lumen depreciation < 20%, measured by 24 h operation, installations according to EN 1838, Emergency lighting. Not for operation with relays start function.</i>			
Aura U-Power Long Life	18W, 36W, 58W	18.000 h	18.000 h
<i>Electrical failures < 10%, lumen depreciation < 15%, measured by 1 switching in 12 hours.</i>			

The 12h-switching cycle is defined based on the time when 10 % of the lamps in an installation are failed. The lumen depreciation at this time is indicated with less than 10 % of the initial luminous flux (100 h - value).

When the failure rate (electrical) is more then 10 % within the guaranteed lifetime the defect fluorescent lamps above 10 % will be compensated free of charge. A claim for damages can not be constituted based on this guarantee.

The validity of the guarantee is based on the condition that the use of the lamps have to comply with:

- Operating the Aura Long Life fluorescent lamps with usual and according to IEC/EN standards produced ballasts and accessories:
 - Conventional / low loss ballasts and starters
 - Electronic ballasts - warm start
 - Electronic ballasts - cold start, when switching cycle > 12 hours
 - Glow switch starters Aura T1, T4 or equivalent
 - Electronic starters Aura Electronic Strike or equivalent
 - Energy Saving Systems ES 2000 or equivalent
 - Deos 171, SiS 10 are not to recommend to use at low temperatures with Aura Long Life fluorescent lamps 58W
- After announcement every defect lamp has to be returned to Aura Light for a test in the Aura laboratory. Only failures confirmed by the laboratory test will lead to a guarantee compensation.
- Installation costs for lamp replacement within the guaranteed lifetime have to be carried by the user.
- The guarantee is valid from day of use which has to be recorded by the user.