



Our products



萬佳環保服務有限公司

MANTA ENVIRONMENTAL SERVICE LTD.

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The Long Life concept

Our **quality fluorescent lamps** are the result of responsive insight and intensive product development. Aura Long Life fluorescent lamps, which we introduced more than a quarter of a century ago, laid the foundations for a whole new way of thinking about investment in lighting. Aura Long Life is the economically and environmentally sound alternative. By using Long Life, our customers **avoid three out of four replacements**. They can schedule group replacements, avoid business interruptions and minimise their maintenance costs. And they need considerably fewer fluorescent lamps, less material and less transportation, which makes it easier for them to take their environmental responsibilities.



Aura **ULTIMATE** Long Life

The ultimate lighting solution. A high quality tri-phosphor lamp with the worlds longest service life and an extremely low lamp failure rate. This is the original Long Life fluorescent lamp, the flagship of our concept that is included in the specialised versions.

Applications: production areas, sign lighting, airports, tunnel- and street lighting, public lighting.



Aura **UNIVERSAL** Long Life

A high quality tri-phosphor Long Life fluorescent lamp with an extended service life and a low lamp failure rate. It represents a very cost efficient lighting solution, especially developed and suitable for less critical applications where replacement is not too costly. **Applications:** warehouses, car parks, shops, hotels, train stations.



Aura **THERMO** Long Life

Designed specifically for environments where the ambient temperature is low. It produces up to five times more light than standard lamps under the same ambient temperature conditions. Available with outer diameter 38, 32 and 26 mm. **Applications:** sign lighting, tunnel lighting, street lighting, car parks, refrigerated counters, cool cabinets, frozen storages.



Aura **PROTECTOR** Long Life

Covered with a high quality durable plastic protection film that protects critical areas from glass splinters and fluorescent powder in case of lamp breakage. Available in T8 (26 mm) and T5 (16 mm). **Applications:** food processing industry, other industrial production plants (e.g. chemical, paper manufacturing), laboratories, sport facilities.



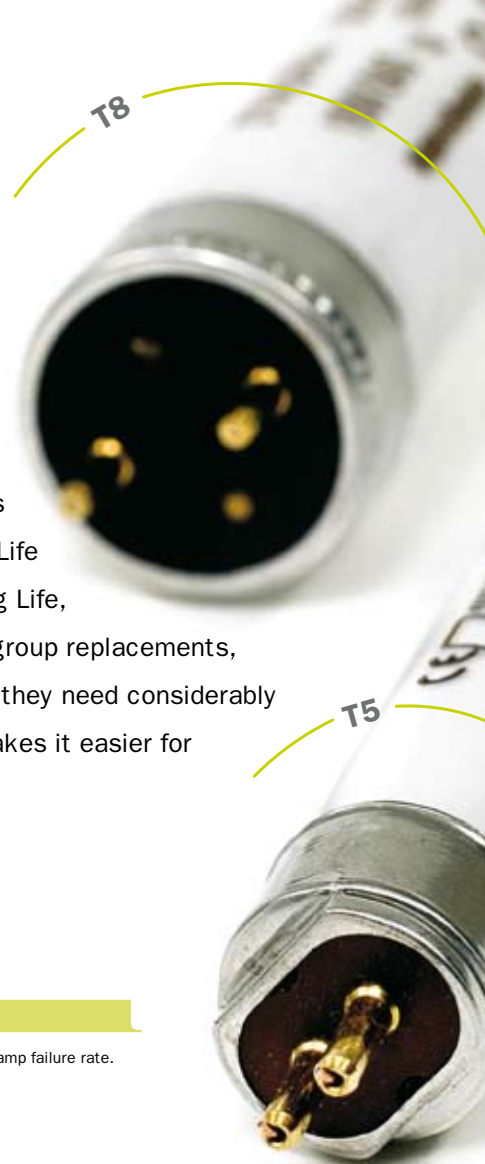
Aura **GOURMÉ** Long Life

Provides a light specifically adapted for presentation of retail goods. It is covered by a PET plastic film that absorbs the UV-B radiation completely and reduces the UV-A radiation approx. 100 per cent. The plastic film also protects goods from glass splinters if a lamp is broken accidentally. **Applications:** shops and cold stores where a fresh presentation of meat, flowers, fruits and vegetables is required.



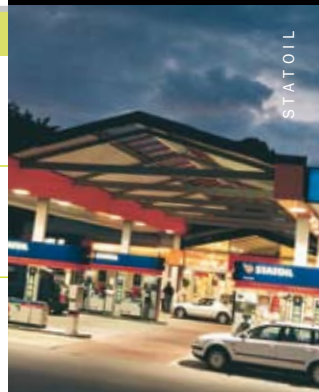
Aura **SIGNETTE** Long Life

Designed to give internally illuminated signs a uniform distribution of light. Specially designed diffuser layers give optimised light uniformity both for single- and double-sided signs. **Applications:** sign boards, outdoor displays.



Our development is based on customers' needs. In close partnership with customers in various sectors, we have designed special versions of our Long Life fluorescent lamps for different applications.

L I F E T I M E	SWITCHING CYCLE	MAGNETIC BALLAST + STARTER	ELECTRONIC BALLAST (WARM START)	
	ULTIMATE	3 h (Service Life) 80% light available	48.000 h	70.000 h
		12 h 10% mortality rate	60.000 h	80.000 h
	SUPREME	3 h (Service Life) 80% light available	Operation only possible with electronic ballast	48.000 h
12 h 10% mortality rate		Operation only possible with electronic ballast	58.000 h	
UNIQUE-L	3 h (Service Life) 80% light available	30.000 h	42.000 h	
	12 h 10% mortality rate	36.000 h	48.000 h	



STATTOIL



CARPARK



COCA COLA



CERALLA



Aura REFLECTOR Long Life

Developed for use in applications where a sufficient level of light must be available through direct or indirect reflection. An integral horizontal reflecting layer of 160° inside an outer glass tube increases the light intensity in distribution direction up to 70 per cent. Available with outer diameter 38 and 26 mm. **Applications:** locations with a high degree of pollution and all places where directed light is required, e.g. laboratories, control rooms, garages.



Aura SUPER EX Long Life

A high quality tri-phosphor fluorescent lamp with a special single pin socket for use in luminaires in combustive proof areas. The construction of the Super EX originates from the special application sector where safety is of paramount importance. **Applications:** Zone 1 with high danger of explosion, e.g. oilrig platforms, refineries, chemical production facilities.



Aura SUPREME Long Life

The first T5 Long Life lamp on the market. Available in HO and HE versions. **Applications:** warehouses, offices, hotels, car parks, signs, production areas, shops and department stores.



Aura T5 MINIATURE Long Life

A T5 miniature lamp with the markets longest service life. Designed for the use in standard luminaires and conditions for T5 miniature fluorescent lamps. Aura T5 Miniature 8 W is especially developed for use in standard emergency luminaires. **Applications:** show-cases, task lighting, ships, caravans and emergency lighting in especially car parks, shopping centres, air ports and functional areas of offices such as individual rooms, floors and stairways.



Aura UNIQUE-L Long Life

The first Long Life compact fluorescent lamp on the market. An energy-saving lamp with two discharge tubes connected by a bridge. It offers a multiple lifetime compared to standard lamps. **UNIQUE-L Cool** is the efficient alternative to use in public outdoor lighting or in specific areas with low ambient temperature. **Applications:** offices, shops, restaurants, hotels, public transport, small signs, pedestrian tunnels and other functional segments.



Aura ELECTRONIC STRIKES – electronic starters

Enable flicker free and soft start ignition of fluorescent lamps. The lamp electrodes are preheated and warm started within two seconds. They automatically cut off for defective and burned out lamps and fulfill the safety requirement of IEC/EN 61347-1-2.

WINNING CONCEPT

MARKET LEADER

The Aura Light International group has its head office and production in Karlskrona, Sweden. Aura today is developing on a broad global front, with subsidiaries in Europe and throughout the Nordic countries, and representatives in the American, Australian and South East Asian markets.

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