

Aura supplies Long Life light sources and solutions. With a lifetime that is at least three times longer, you can reduce your maintenance costs and environmental impact by a third. With our Eco Saver and Eco solutions you can also reduce your energy consumption dramatically, thus reducing your energy costs and carbon footprint further.



Aura ECO LIGHTING SOLUTION

FOR COOLING CABINETS

A brighter economy for cooler climates



With Eco Lighting Solutions from Aura Light you can reduce your energy bill by 55% and improve the light output by 60%. Replace your existing installation with this solution for Cooling Cabinets and start saving immediately. The Aura Eco Solution for Cooling Cabinets consists of the lamp Aura THERMO +5°C, the magnetic ballast L18 TL2 from Helvar and the Aura T4 starter.

This unique solution will reduce your energy bill as well as your carbon footprint through its innovative combined technology of ballast and lamp. All components are optimised to work at +5°C ambient temperature, making it the perfect solution for Cooling Cabinets or similar applications e.g. refrigerated display shelves, refrigerated counters and cold rooms/areas in supermarkets.

Best of all, you generally receive a return on investment in approximately two years and enjoy a solid nine-year warranty.

Switch to energy-efficient lighting and brighten your day.

Benefits

- 9 years maintenance free
- Increased light output by 60%
- Payback time of approx. 2 years
- Total energy saving on average 55%

Aura T8 THERMO 5°C Long Life

This special fluorescent lamp is designed for environments with +5°C ambient temperature. To achieve a 60% higher lumen output in this low temperature, the adapted lamp is inserted into an additional 32mm outer glass tube. This proven construction ensures the thermal insulation which is needed to maintain a high light output in this low temperature.

All Aura Long Life fluorescent lamps are based on two special patents: 1. Our unique cathode shield construction and 2. Our protection layer inside the glass tube. Both patents safeguard Aura's well known long lifetime and its excellent lumen maintenance. The THERMO 5°C lamp is manufactured using only high quality tri-phosphor powders ensuring a colour rendering of Ra 85.

Aura T8 THERMO 5°C Long Life

TYPE	COLOR TEMP.	LUMINOUS FLUX (lm) at 5°C	LIGHT OUTPUT (lm/W)	Ø (mm)	LENGTH WITHOUT PINS (mm)	CAP
36W/840	4000	1750	52	32	1200	G13

Due to its special construction and gas mixture the lamp has an excellent starting behavior at +5°C. To achieve excellent saving opportunities the lamp itself was adapted to work smoothly with the magnetic ballast from Helvar designed to operate 18W lamps.

Lifetime

The lifetime of 36,000 hours is based on a 12 h operation switching cycle (11 hours on, 1 hour off) according to IEC/EN 60662. In this time the maximum failure rate is 10 % and the lumen depreciation is 15%.

For economical and environmental reasons Aura recommends group replacement of Long Life fluorescent lamps.

LIFETIME	SWITCHING CYCLE	OPERATED WITH MAGNETIC BALLAST
	3 h (Service Life) 80% light available	30,000 h
12 h 10% mortality	36,000 h	

Long Life guarantee

All Aura Long Life fluorescent lamps are developed and manufactured in accordance with the IEC/EN60081 standard. Aura guarantees the published service life of the Long Life fluorescent lamps for installations that comply with the relevant standards.

Helvar L18TL2

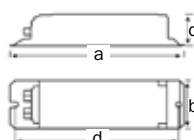
Helvar's long experience in magnetic ballast development and superior manufacturing expertise guarantee high and even quality of products.

Therefore, Aura chose this ballast to complement the Eco Solution for Cooling Cabinets.

The L18 TL2 is a magnetic ballast designed to operate one 18W lamp. It incorporates low harmonics and low power loss qualities. A correctly trimmed lamp current is guaranteed over the entire lifetime. It is constructed with double wired terminals without screws. As a perfect complement to Aura Long Life lamps this ballast offers a long life time. All Helvar products are subject to strict quality control.

	EEL	Net Weight (kg)	Inductive λ	Parallel Ck 230/250V±10% (µF)	Mains current (A)
L18TL2	B1	0,83	0,30	4,5	0,14

Ballast dimensions:



Length 'a' (mm)	Width 'b' (mm)	Height 'c' (mm)	'd' (mm)
150	42	28,8	140

Aura T4 starter

The Aura T4 is premium quality glow switch starter ideal for the temperature ranges -20°C to 80°C. It is highly reliable ensuring approx. 10 000 safe switches. Proper ignition is guaranteed through well-defined preheating and peak voltage. The Aura T4 starter is easy and quick to install. The eco-friendly components make it the perfect addition to the Aura Eco Solution for Cooling Cabinets.



Height 'e' (mm)	'f' (mm)
21,5	40,3

PROGRAMME	SYSTEM			ART. NR.	
	Lamp	Ballast	Starter		
Aura T8 UNIVERSAL THERMO 5 Long Life	+	L18 TL2	+	Aura T4	432774

