



# Aura PROTECTOR

LONG LIFE

light for protective requirements



**Food processing industry**  
**Industrial production plants,**  
**e.g. chemical and paper**  
**manufacturing**  
**Laboratories**  
**Sport facilities**  
**Museums**

Aura PROTECTOR Long Life is a fluorescent lamp with a multiple lifetime compared to a standard lamp. The protector function is reached with a high quality durable plastic protection film. The plastic film protects critical areas from glass splinters and fluorescent powder in case of lamp breakage.

Aura PROTECTOR Long Life lamps are developed for areas that are subject to specific safety requirements for protection of production of sensitive products. In these areas a breakage of a fluorescent lamp would cause a production stop and this interruption proves to be very costly.

Aura PROTECTOR Long Life is available with two different protection films:

- FEP - a transparent plastic film without affecting the luminous flux. The plastic film offers an optimal protection in the wide temperature range where the lamp can be used from -40°C up to + 150°C with a lifetime at least equal to the lamp.
- PET - an upgraded plastic film with the extra advantage of UV radiation absorption of 97% of UV-A and 99% of UV-B. This leads to a limited lifetime of 30.000 hours and limited working temperatures from -30°C up to + 120°C.

Aura PROTECTOR Long Life is developed based on our patented cathode shield construction. This design provides a unique fluorescent lamp with an exceptional long service life combined with an improved end-of-life protection against overheating. It is available in T8 (26 mm) and T5 (16 mm) diameter and in the high colour rendering tri-phosphor range (Ra 85).

LIFETIME	SWITCHING CYCLE		MAGNETIC BALLAST + STARTER	ELECTRONIC BALLAST (WARM START)
	ULTIMATE PROTECTOR (FEP)	<b>3 h (Service Life)</b>	<b>48.000 h</b>	<b>70.000 h</b>
		80% light available		
		<b>12 h</b>	<b>60.000 h</b>	<b>80.000 h</b>
	10% mortality rate			
UNIVERSAL PROTECTOR (PET)	<b>3 h (Service Life)</b>	<b>30.000 h*</b>	<b>30.000 h</b>	
	80% light available			
	<b>12 h</b>	<b>30.000 h*</b>	<b>30.000 h</b>	
	10% mortality rate			
SUPREME PROTECTOR (FEP)	<b>3 h (Service Life)</b>	Operation only possible with electronic ballast (HF)	<b>48.000 h</b>	
	80% light available			
	<b>12 h</b>		<b>58.000 h</b>	
	10% mortality rate			

\* Lifetime limited due to the characteristics of the PET plastic material!