

A close-up photograph of a person's hand holding a small, glowing yellow cold cathode tube. The tube is held horizontally, and a bright yellow light beam passes through it, creating a lens flare effect. The background is a soft, out-of-focus gradient of light colors.

# Tecnolux

*Cold Cathode Light*

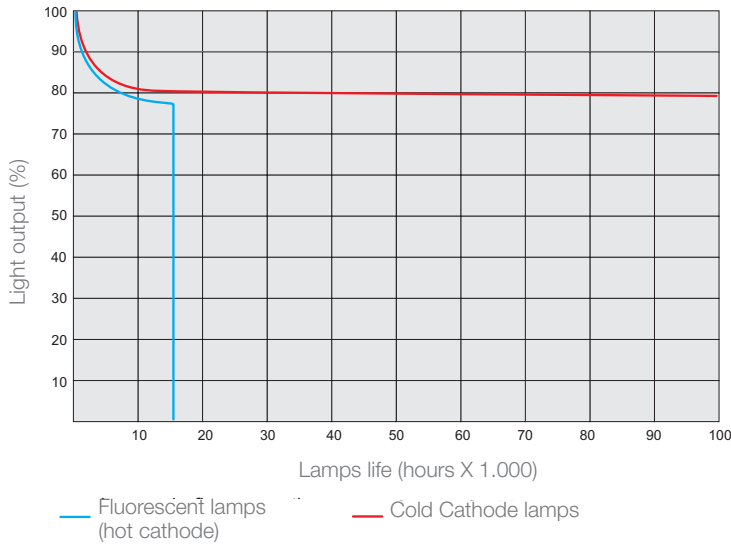
**easy**  
**safe**  
**custom**  
**energy saving**

cold cathode according to Tecnolux

## LONG LIFE TO COLD CATHODE !

Commonly used in CCFL version for LCD screens of televisions and pcs, this lamp – with its very peculiar kind of electrodes – provides the same performances as hot cathode fluorescent lamps but it offers a ten (10) times higher life span, similar to electrodeless induction lamps.

Cold cathode lamps balance very well costs and benefits for all applications whereas costs of maintenance have to be definitely reduced.



**Extra long operating life**, in the region of **100.000 hours (11 years)**

Very high luminous efficiency, up to 85 lumen per watt  
Very low reduction of lumen output over the years; – 22% after 100.000 working hours

Wide range of colour temperatures; 1.900°K to 10.000°K whites

Very high colour rendering, up to 99 CRI

**Unlimited switching cycles**

Immediate switch-on, without flickering

System available in a wide range of powers – 10W to 460W

Very comfortable, it does not flash, it does not produce stroboscopic effect and it is silent



## DIMMING CONTROL METHODS

cold cathode fluorescent lamps are fed by most common (0-10V, DALI, etc.) dimming gears for the control of lumen output.

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## WHITES AND COLOURS

Apart from very high colour rendering of cold cathode lamps, a vast selection of shades from 1.900°K to 10.000°K are provided by white fluorescences. Besides, the chromatic variety of Tecnolux colours is unique worldwide and extends to over 40 saturated colours created via rare – earth phosphors and Murano's glasses.

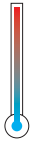
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## PERFECT LUMINOUS CONTINUITY

In recessed lighting applications, cold cathode's manufacturing techniques remove the unpleasant effect (shadow gaps and hot spots) created by hot cathode fluorescent lamps as they are not lit right to the end.

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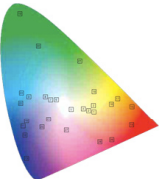
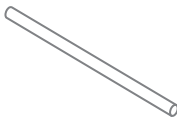

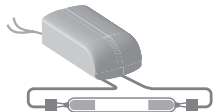
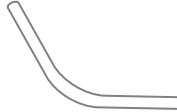



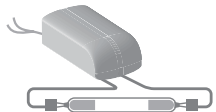
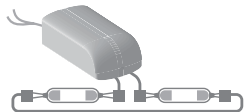

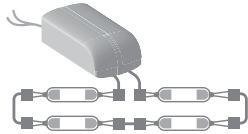
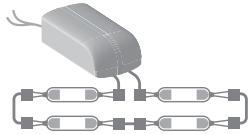


**Operating temperature range** -40° a +80° C. suitable for any external applications , Very

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low costs of maintenance over the lifetime of the system

Length	Diameters Ø mm.	Colours	Shape	Electrodes	Circuit diagrams	
10 cm. to 300 cm.	6	 30 White 1.900 to 9.000 K°				
	8					
	10					
	12					
	15		25 Excellent colour lamps - Murano glass			
	18					
	20	32 Color Tubes in clear glass.				
	22					
	25	"Rare Earth Phosphors"				

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