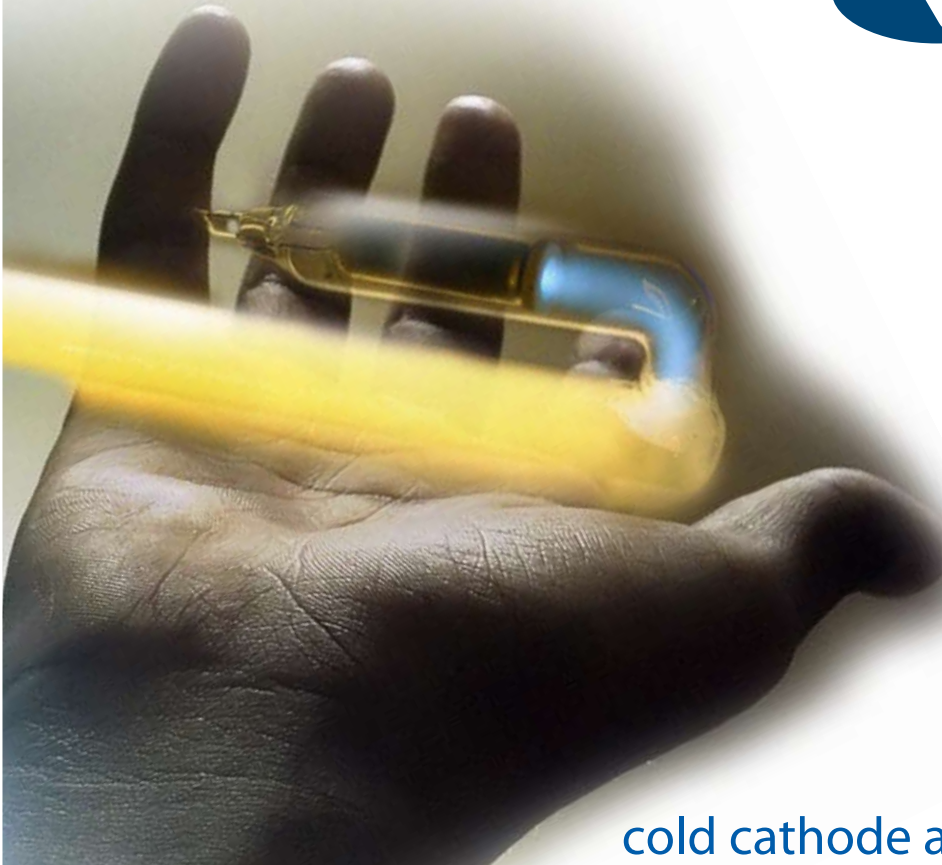




VENTANA
Luminosos Ltda.



easy

safe

custom

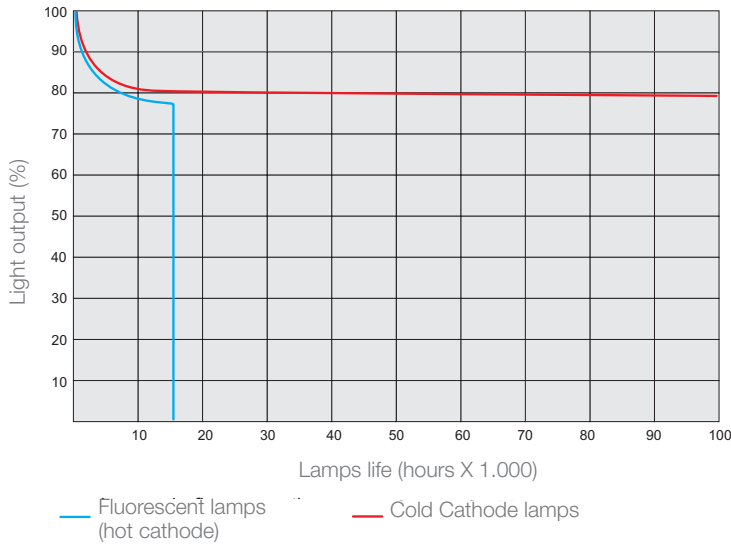
energy saving

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.



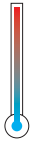
WHITES AND COLOURS

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.



PERFECT LUMINOUS CONTINUITY

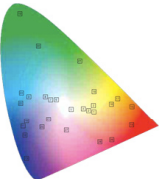
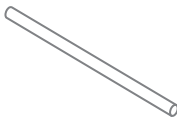

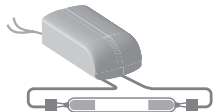
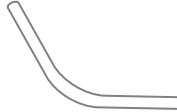



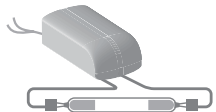
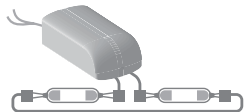

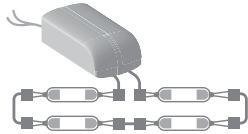
In recessed lighting applications, cold cathode's manufacturing techniques remove the unpleasant effect (shadow gaps and hot spots) created by hot cathode fluorescent lamps as they are not lit right to the end.



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



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				
	18				
	20	32 Color Tubes in clear glass.			
	22	"Rare Earth Phosphors"			
	25				

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