

X-LIN
Hotware Wireless Co., Ltd.

FoxLux CO. LTD.
Specialist for Illuminating solutions

**CCFL illuminator
for
network operation center (NOC)**

New illuminating technology in new era



CCFL Illuminator

**Green illumination solution
for operators' NOC and POP**

**Least consumption
Long life
Low temperature
Minimized radiation**



What is CCFL ?

CCFL = Cold Cathode Fluorescent Lamp



It was firstly used as 'back-light' of the LCD display, and later on the LCD TV, and now for the illuminating lamps.

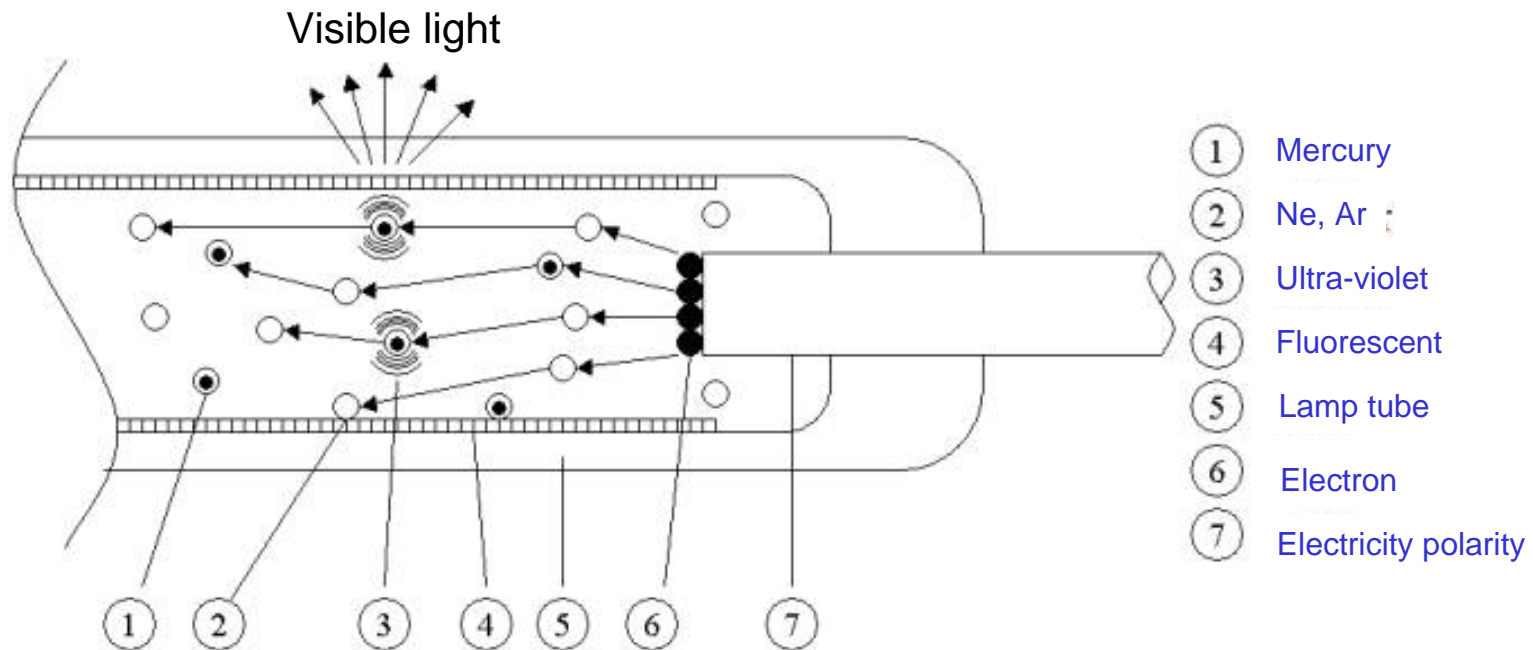
The advantages are :

- Long life (above 50,000 hours --- continuous use)
- Low power consumption --- environmental friendly
- Low heat --- environmental friendly
- Minimized radiation
- Good quality for illumination -- saturation
- **Green illumination solution, green power for NOC**

What is CCFL ?

CCFL = Cold Cathode Fluorescent Lamp

It was firstly used as 'back-light' of the LCD display, and later on the LCD TV, and now for the illuminating lamps.



CCFL illuminator for NOC

- In-direct illumination
- Ideal for **ISP network operation center (NOC)**
- Low consumption; green solution, green power
- Low heat --- **saving air conditioning fee**
- Minimized radiation – **safe for equipment in NOC**



CCFL illuminator for others

- Great advantages for large lights/lamps user like
 - **Hotel:** 24-hour lightening at lobby, corridor....
 - **Factory, hospital;**
 - **Chain stores...**
 - Saving 2/3 electricity fee for illumination
 - Long live for above 10 years;
- Low heat --- saving air conditioning fee
- Good image :
 - Green enterprise (environmental friendly)
 - good quality for illumination



Performance comparison

Traditional bubble light vs. CCFL illumination



CCFL is brighter, softer, average, flatter and more saturated !!

Lower heat, much lower power consumption (1/20 only) !!

Long life : **above 50,000 hours**



Performance comparison

T5,T8 Fluorescence light VS. CCFL illumination

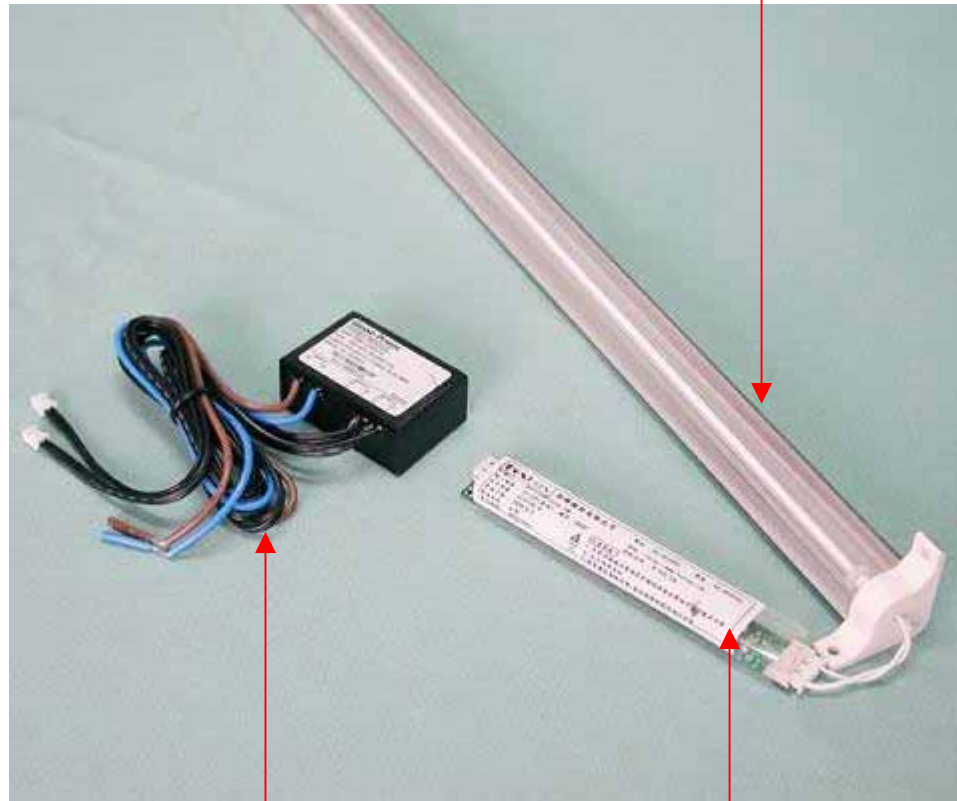


	T8	T5	CCFL	Remark
Illumination wattage	40w	28w	13.5w	
Power consumption	50w	28w	13.5w	
Illuminating pattern	direct	direct	In-direct by reflection	Light from CCFL is soft, saturation due to indirect illumination
Life span	3000~6000hr	8000~10000 hr	Above 50,000 ~ 80,000 hr	For CCFL 6 years (non-stop, operating 24-hour a day) 10 years (operating 12hr a day)
Saving ratio	0	44% less than T8	73% less than T8	If T8 consume 1 watt T5 only consume 0.56w CCFL only consume 0.27w
Frequency issue	Flashing Clash with CRT...etc	Flashing Clash with CRT...etc	No flashing at any case	CCFL No flash, no 'spark' at any case, least hot , most SAFE

Full view : full set : CCFL lamp + inverter + adapter



L-shape for reflection, installation & protection



Adapter

Inverter





Integrated solid inverter and adapter





An [Hotware Wireless](#) [X-LIN](#) Syndicated



An [Hotware Wireless](#) [X-LIN](#) Syndicated

A large, glowing lightbulb is the central focus, set against a background of a snowy, icy landscape. Inside the lightbulb, a polar bear family consisting of an adult bear and three cubs is visible. The text 'CCFL' is written in green above the family, and 'Illumination new solution' is written in a larger green font across the middle of the lightbulb.

CCFL
Illumination new solution

save Earth

Save yourself!!

X-LIN & FoxLux

**Innovation
for you !**

Hotware Wireless Co., Ltd.

www.hotware.com.tw

business@hotware.com.tw

Tel : +886-3-4639125

Fax ; +886-3-4639367

Integration Center

integrate@hotware.com.tw