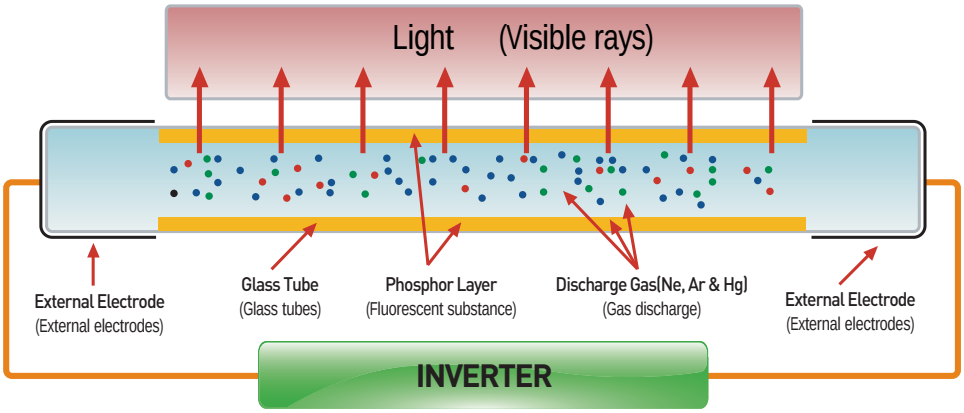
Description of EEFL

Principles of HF-EEFL



EEFL - External Electrode Fluorescent Lamps

Advantages of HF-EEFL

Long life

50,000 hours on average

50,000 hours (up to 50% of the initial luminous flux) / 30,000 hours (up to 70% of the initial luminous flux)
Use of 10 hrs/day guarantees a life span of 13 years or longer, i.e., 5 - 10 times longer life than fluorescent lamps
Note Life cycle of a fluorescent lamp: 5,000~10,000 hrs.

Low Power Consumption

Energy saving

Power consumption more than 30% lower than fluorescent lamps
Ex For a sign, common fluorescent lamps require 360W, but EEFL, only 240W

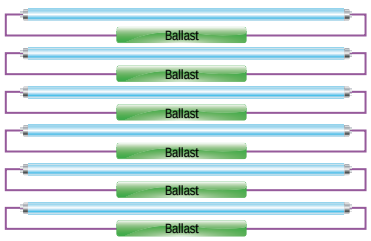
Environmentally -friendly

Minimum by-products of hazardous substance or wastes

Lowest level of mercury content and long life lead to minimal production of wastes
Complying with environmental regulations such as RoHS

Structure of the light panel

Architecture of EEFL lighting
It consumes one inverter for lighting regardless of the number of lamps.

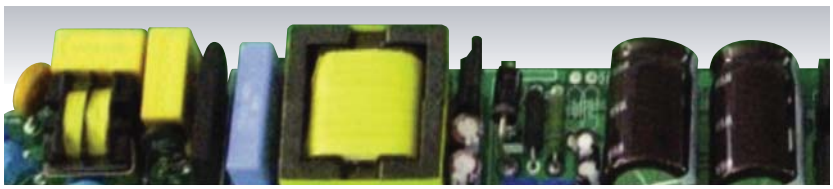


Architecture of fluorescent lighting
Each lamp needs exclusive ballast.

Model	Type	Diameter (mm)	Length (mm)	Lighting Area (mm)	Power (W)	Color Temp. (K)	Lighting Flux (lm)	Brightness (cd/m²)
EDE025DC116B	T5	15.7	1,164	1,164	25	6,500	1,800	10,000
EDE020DC116B					20		1,440	8,000
EDE012CB115S	T4	12.6	1,150	1,080	12	8,000	870	6,500
EDE010CB115S					10		725	5,400

Inverter

CE

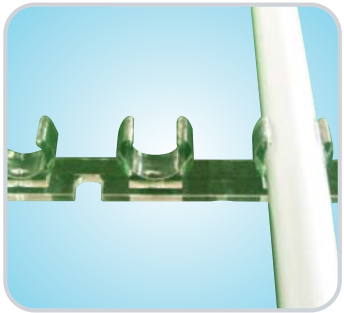


- Power Input — AC 110/220V, 50/60Hz
- Power Consumption — Max 120W
- Application Lamp — T5 - 4 pcs
  T4 - 10 pcs
- Protection — Over Current(Short Circuit), Overload, Surge

Accessories

Socket

Jumper Cable



Lamp Guide