Microwave Sensor LED Tubes

ENELTEC®
brighten your ideas

CE RoHS A 2 YEARS WARRANTY

Why ENELTEC LED Tubes?

Significant cost savings

The ENELTEC LED tubes use 50–90 percent less energy than other lamps, depending on the age and type of the lamp in question. The lifespan of an ENELTEC LED tube is many times that of a normal fluorescent lamp, thus reducing the upkeep costs of lighting significantly. Even the lamp body has a few extra years added to its life due to the fact that the inductor is not subjected to as much stress and the tube holders are subjected to a lower amount of heat. Moreover, there is no need to change the starters once they have been installed.

Better light

The ENELTEC LED tubes produce good-quality light with high colour rendering. The blue wavelength present in the LED light is essential for visibility and there is also an unbroken, full spectrum which helps us to distinguish colours, for the whole area of visible light. This pure, natural light is suitable for all environments where people have to be able to see well. The light is also available for your use without delay and without the flickering normally associated with the switching-on stage.

The environment thanks you

By choosing an ENELTEC LED tube, you will also have a positive impact on the environment. LED tubes do not contain mercury, lead or any other heavy metals. This is why LED tubes are not categorised as hazardous waste. The recyclability ratio of LED tubes is extremely high: over 95%. ENELTEC LED tubes packaging uses as much recycled or recyclable cardboard and paper pulp as possible. Also, because of the energy efficiency of LED tubes, the need for electricity produced from fossil fuels decreases.

Safer lighting

By replacing your fluorescent lights with ENELTEC LED tubes, you will eliminate many of the risks related to lighting, such as UV light that is harmful to people and many materials. In addition, the ends of fluorescent lamps that have come to the end of their lifespan and that remain incandescent are one of the most common causes of fire. LED lamps contain no dangerous substances, such as mercury, and the surfaces of the tubes are shatter-proof. This makes the ENELTEC LED tubes highly suitable for use in the food industry, too.

Install by simply replacing the tube in most T8
fluorescent tube luminaires

Why ENELTEC LED Tubes are superior to others?

Automated manufacturing guarantees quality
ENELTEC LED tubes are manufactured a completely new automated production line. The automatic processing ensures a uniform quality and reliability that has not been met before in LED light sources. At the end of the manufacturing process each ENELTEC LED tube goes through a multiphase automated test process where the amount of light, the colour rendering index, the spectrum, light temperature, power, power ratio and harmonic distortion are measured.

Long lifespan
Due to its technical supremacy ENELTEC is able to offer an exceptionally long lifespan for its products. This enables realization of extensive and long-lasting lighting projects in parts by applying the same product.

Easy to install
It's possible to directly replace old T8 fuorescent tubes with ENELTEC LED tubes in the majority of existing luminaires.

Visibly better, non-dazzling light
The outstanding luminous efficacy (lm/W) is reached in collaboration with Sanan. The unique semi-opal plastic dome maximizes light production and minimizes unwanted dazzle that bright LEDs might cause.

Passive cooling taken to the max
The passive cooling of LED components ensures an extremely long lifespan. The relatively large cooling surface underneath the medium power LED components conveys the heat efficiently from the LED components to the full-aluminium circuit board. The heat is further conveyed from the circuit board to the aluminium frame which thus functions as a large cooling element.

Brilliant electrical properties
The high power factor of the internal high-quality power source guarantees minimal electrical disturbances and excellent electrical properties for the LED components. The power source is assembled from the best components, ensuring a long lifespan. The power source is also designed to function in challenging circumstances over a very wide range of temperatures.

Directing the light
Rotating End Cap LED tube help to direct the light where it is needed.
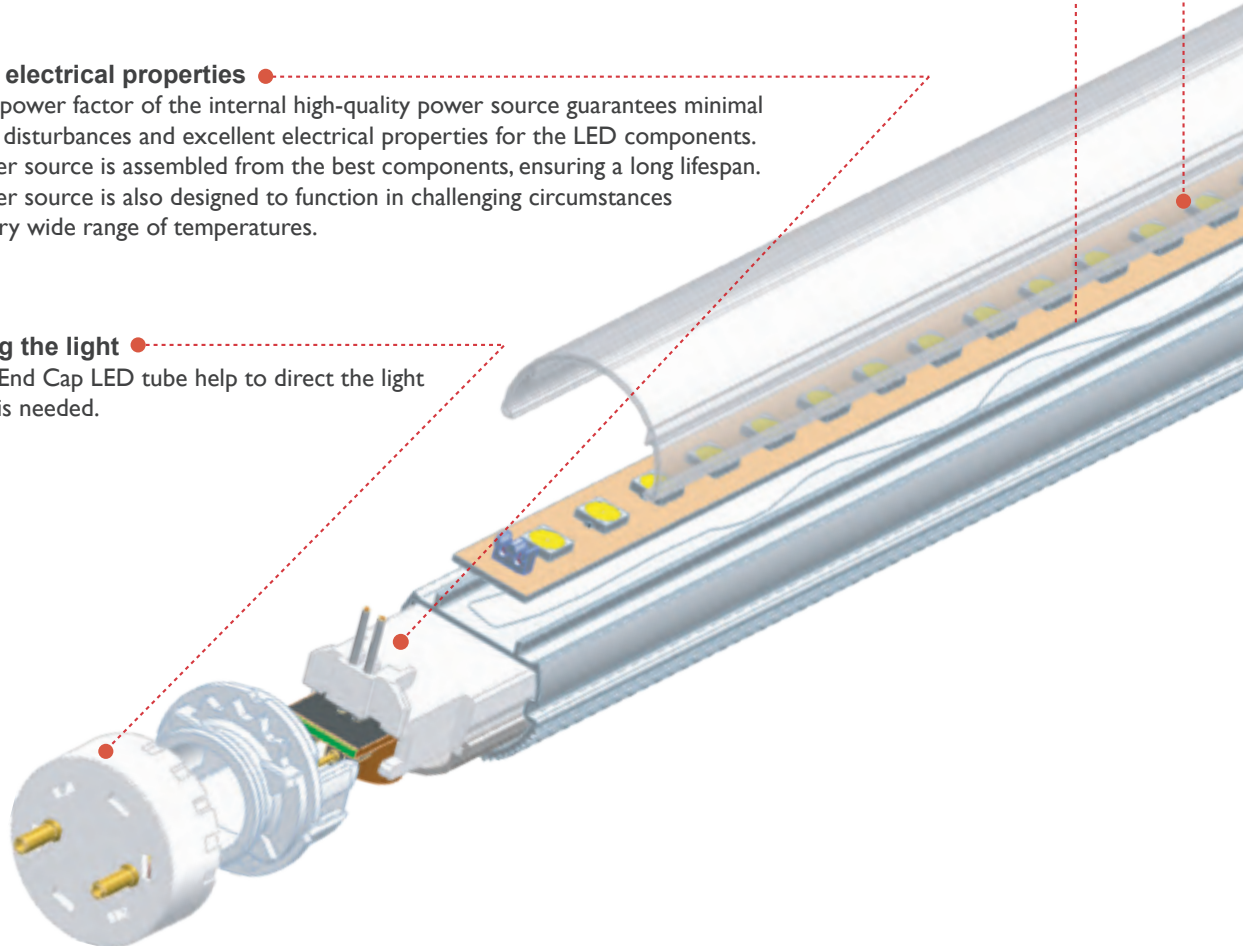
Features

LED Chip
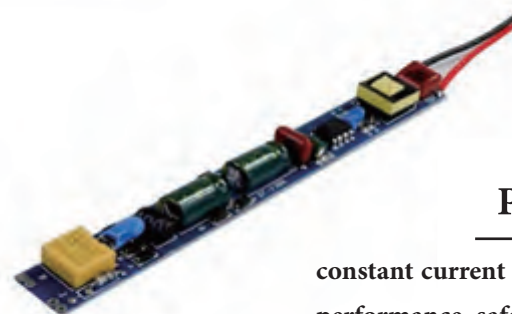SMD2835 with good quality, high lumen, high CRI, good heat sink and long lifetime

PC Cover
select PC cover with softlight, uniform light 90% light transmittance
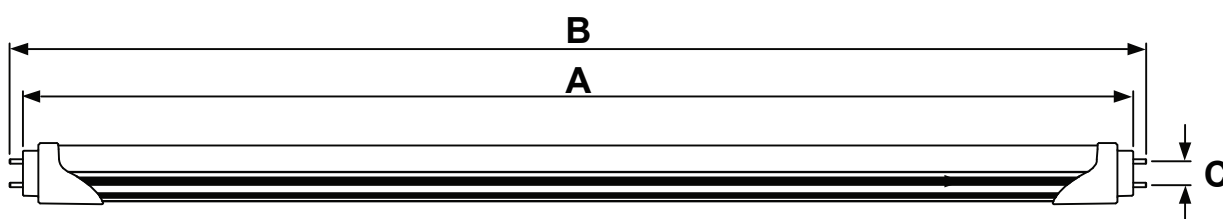
Flame Resistant
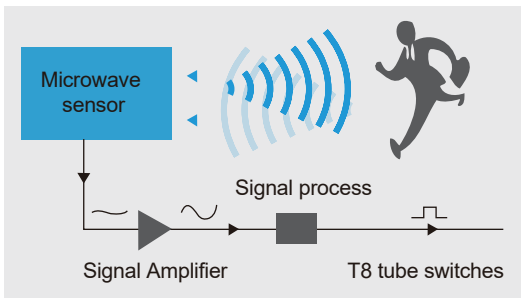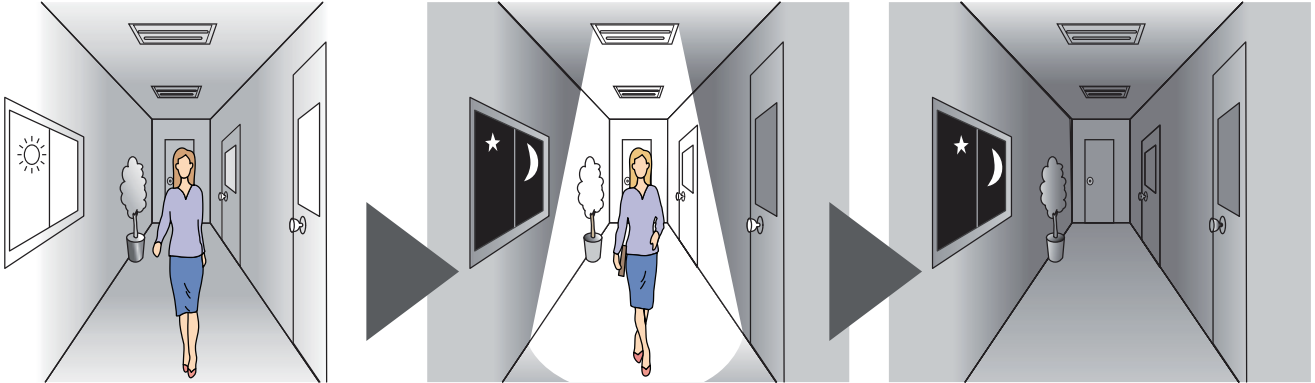Inside parts and face shell with flame resistant material

Power Supply
constant current power supply, stable performance, safety and reliability

Dimensions

Model	Dimensions(mm)		
	A	B	C
ENLT-T8060	588	602	26
ENLT-T8090	894	898	26
ENLT-T8120	1198	1212	26
ENLT-T8150	1498	1512	26

Microwave Detection

Advantages of microwave sensor

Sensor size is small enough to be able to be inbuilt inside tube, tube appearance stay the same with conventional LED tube.

Sensor ONLY activated by motional human beings or objectives(cars), and unable to be activated by small creatures such as pets, sensors also NOT affected by changes of ambience temperature, noise, moisture, dust and etc.

Sensor lifespan is 50,000 hours, stay the same level of function during life span, no aging.

Disadvantage of conventional motion sensor

Sonic motion sensor

◎ There must be an opening left on the body of LED tubes to receive signal.

◎ Sonic sensor is not able to work stably, easy to be affected by noise, car whistle, thunder and moisture etc.

Infrared motion sensor

◎ Infrared motion sensor need to be installed surface of LED tube which narrows area of illumination.

◎ Heat generated by LED tube could damage and malfunction the sensor

◎ Infrared motion sensor is not able to work stably, sensitive to ambiance temperature, moisture.

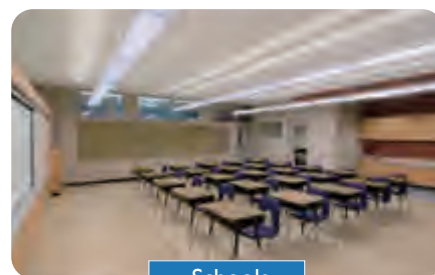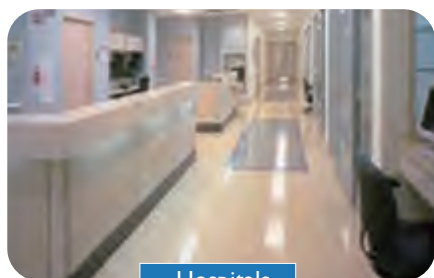◎ There is functional degradation with infrared motion sensor with time being .
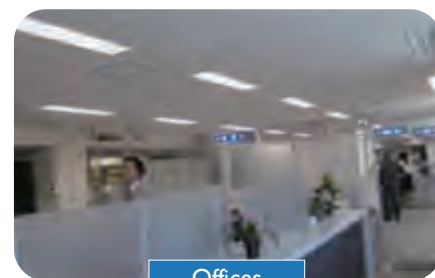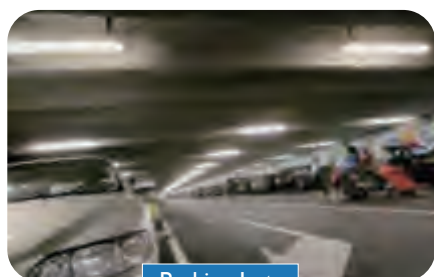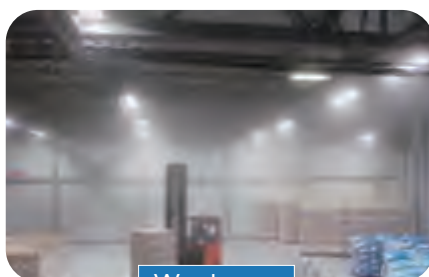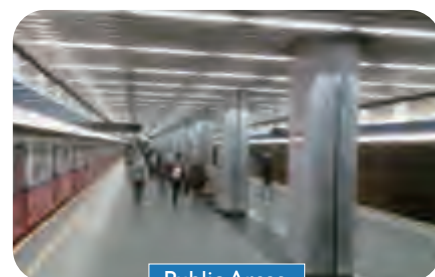
Applications
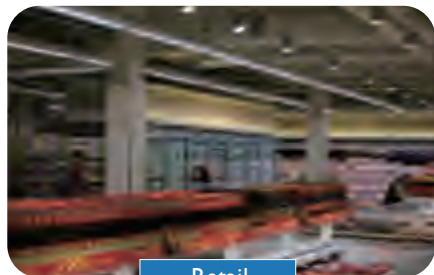
Retail
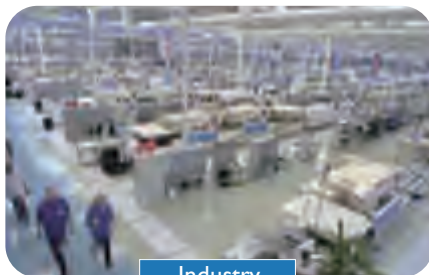
Industry

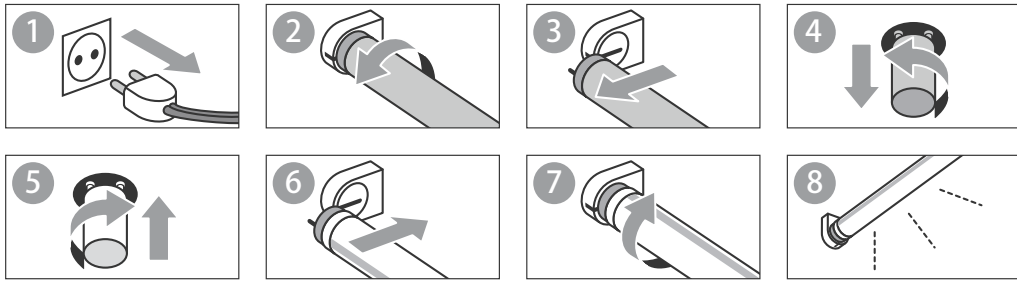Schools

Hospitals

Offices

Parking Lots

Warehouses

Public Areas

Lux Level

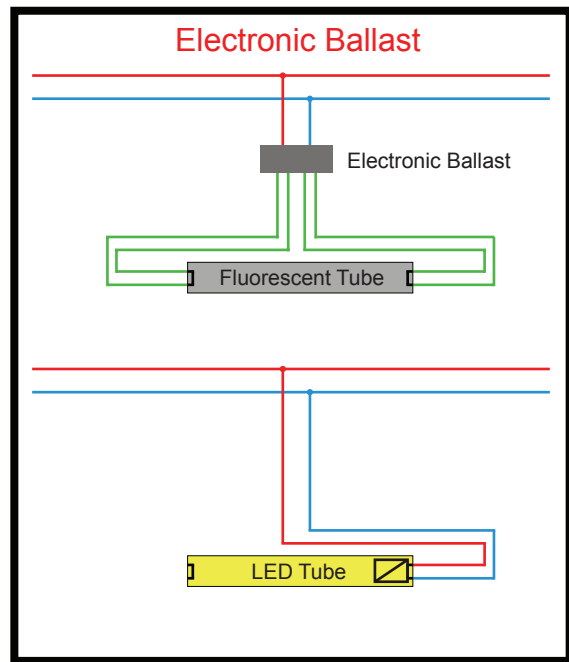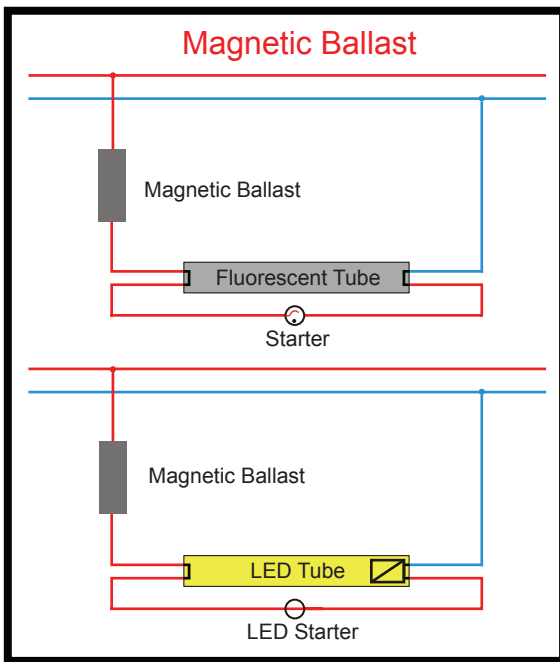| Lux level	Area or activity
100	Circulation areas e.g. corridors, stores and warehouses, changing rooms and rest areas
150	Active circulation e.g. stairs, escalators, loading bays
200	Facility lighting e.g. washrooms, foyers, lounges, archives, dining rooms, assembly halls and plant rooms
300	General background lighting e.g. IT office, packing, assembly (basic), filing, retail background, classrooms, sports halls, gymnasium and swimming pools
500	General lighting e.g. offices, CAD, laboratories, meeting rooms, general manufacturing, kitchens and lecture halls
750	Detailed lighting e.g. manufacturing & assembly (detail), paint spraying and inspection
1000	Precision lighting e.g. precision manufacturing, quality control, examination rooms
1500	Fine precision lighting e.g. Jewellery, watch making, electronics & fine working

Data

Model	ENLT-T8060-NI-06S	ENLT-T8120-NI-06S	ENLT-T8150-NI-06S
Input Voltage	100-240VAC One side input / Two sides input		
Socket	G13	G13	G13
Power	9	18	24
Power Factor	0.5	0.5	0.5
Beam Angle	120°	120°	120°
Color	2800-3200K / 4000-4500K / 6000-6500K		
Lumen	800	1700	2200
CRI	Ra>70	Ra>70	Ra>70
LED Chips	Sanan SMD2835	Sanan SMD2835	Sanan SMD2835
LED Quantity	48	96	120
LED Driver	Non Isolated Driver	Non Isolated Driver	Non Isolated Driver
Senor Function	30S/60S/90S/120S, 100%-0%, 100%-20%, 100-50%		
Warranty	2 Years	2 Years	2 Years
Lifespan	>50,000 Hours	>50,000 Hours	>50,000 Hours
Cover	Clear / Frosted	Clear / Frosted	Clear / Frosted
Material	Aluminum Housing PC Cover	Aluminum Housing PC Cover	Aluminum Housing PC Cover
Packing Dimension (mm)	30PCS 650×230×250	30PCS 950×230×250	30PCS 1250×230×250
Net Weight/ Gross Weight (kg)	30PCS 5.5/6.1	30PCS 7.5/8.3	30PCS 9.0/9.9

Installation

One side Input (Europe Standard)

Magnetic Ballast

Magnetic Ballast

Fluorescent Tube

Starter

Magnetic Ballast

LED Tube

LED Starter

Electronic Ballast

Electronic Ballast

Fluorescent Tube

LED Tube

Two sides Input (Others)

Magnetic Ballast

Magnetic Ballast

Fluorescent Tube

Starter

LED Tube

Electronic Ballast

Electronic Ballast

Fluorescent Tube

LED Tube