

**PHILIPS**

MASTER LEDtube T8 sensor



Always on or  
**just when needed?**

Real professionals count on Philips LED technology



# Smart LED lighting is **easily installed**

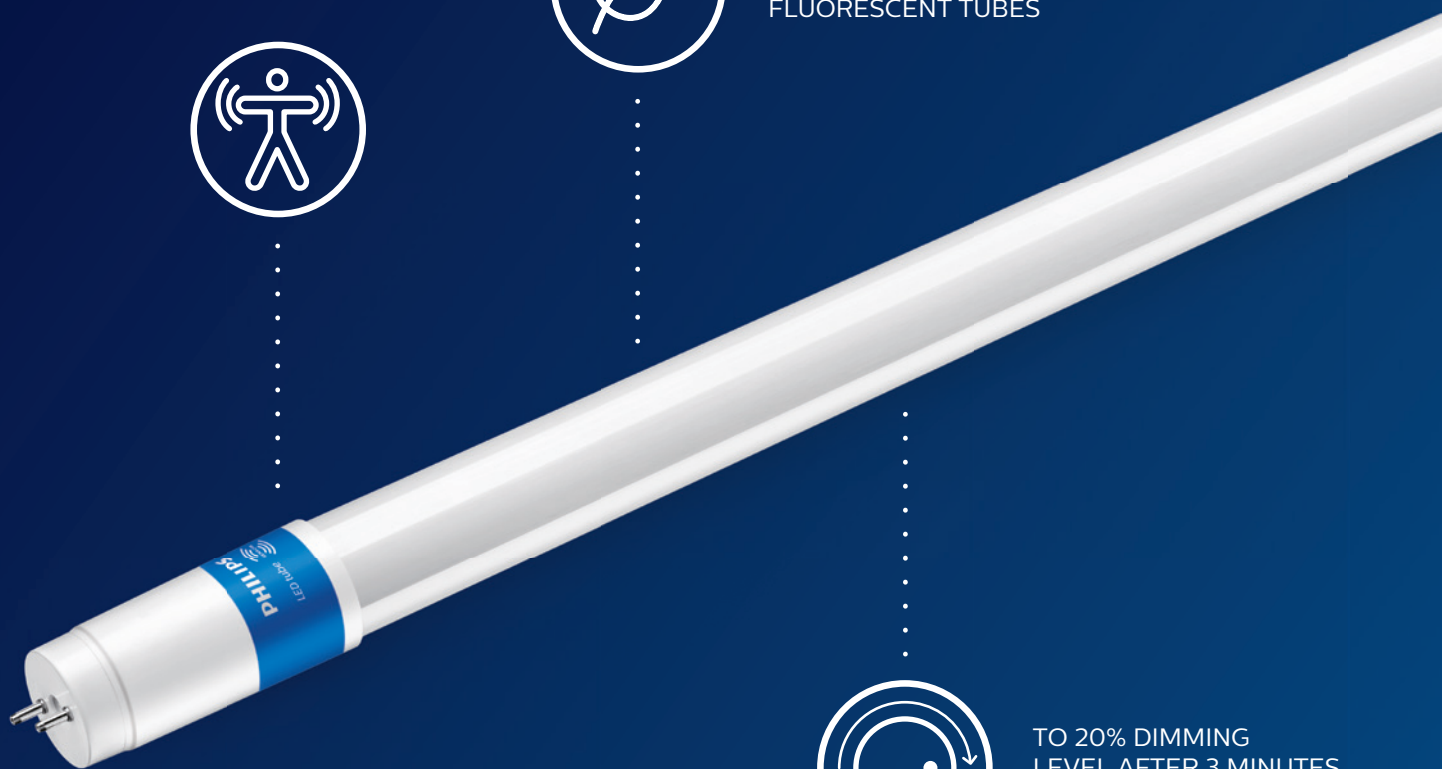
The MASTER LEDtube T8 sensor can make big savings in energy costs when replacing fluorescent tubes in areas that aren't continuously occupied. An integrated motion sensor automatically dims the lights when nobody's around in places like covered car parks, corridors and walkways, storage areas, data centers and server rooms. Areas occupied for less than half the time can cut energy costs by more than 70%.

Installation is simple. The MASTER LEDtube T8 sensor is a fast 1-to-1 replacement for 1200 and 1500 mm T8 fluorescent tubes with EM ballasts and Direct Mains. So, upgrading fluorescent tubes to energy saving LED lighting couldn't be easier!

5-METER RADIUS  
MOTION DETECTION



UP TO 70% ENERGY  
SAVING COMPARED TO  
FLUORESCENT TUBES



TO 20% DIMMING  
LEVEL AFTER 3 MINUTES  
OF NO MOVEMENT





### **An integrated solution for safety and savings**

You need no external sensors, controls or wiring. The sensor is built into the end cap, and detects motion within a 5-meter radius (note: luminaires should be no higher than 2.5 meters from the ground).

The Passive Microwave (PIR) sensor automatically boosts the LED tube to its full light output of up to 3100 lumens within a few seconds when a person or vehicle approaches. And it dims the light output back down to 20% if no further movement is detected for three minutes.

Dimming down to lower light output in this way is much more reassuring to occupants than suddenly switching on and off – increasing the sense of safety. In long corridors, the light can follow people as they walk, lighting brightly only the area they need to see, with the rest being dimmed down but still visible.

All of this is available in one smart LED tube solution:  
MASTER LEDtube T8 sensor

### **Smart LED lights bring even larger savings**

Precise savings from the dimming function will depend on where you install these LED tubes. Some locations may only be occupied for only an hour or so per day, so keeping fluorescents burning 24/7 is incredibly wasteful; here the energy savings can be extremely high.

For example, a four-foot (1200 mm) LED tube used half of the time at 100% and the other half at 20% results in an energy saving of more than 70% compared to conventional fluorescent tubes (and offers a 25% saving even when compared to other LED tubes that don't use sensor technology!).

### **Other savings**

And it's not just the energy costs that you save. Maintenance costs will be lower, too - at 50,000 hours the MASTER LEDtube lifetime is over three times that of fluorescents. So, for example, it will last for over 10 years when switched on for 12 hours a day, 365 days a year...

...and you can double that if the lights are actually only on for half that time.



Find the **right** solution in our complete range of Philips products with our **Selector tool**.

[www.philips.com/ledtubeselectortool](http://www.philips.com/ledtubeselectortool)

# Real professionals count on **Philips LED technology**

Professional installers want to create maximum value for their customers, with the minimum of effort. Smart technologies are one way to do that – and build your reputation at the same time. But quality is key! As the world leader in lighting, with a T8 LED tube for every application, you can count on Philips Lighting.

## **With the MASTER LEDtube T8 sensor you get:**

- Fast and easy 1-to-1 fluorescent replacements
- A high output LED tube with an integrated motion sensor
- No need for extra sensors, controls or wiring
- Automatic dim up/down only
- High quality and a high Return on Investment.



1200 AND  
1500MM



2100 / 3100



CRI



50,000 H



BEAM ANGLE





# Product specifications



MASTER LEDtube T8 sensor



2300 / 2500  
3400 / 3700



CRI



50,000 H



240°  
BEAM ANGLE

	Product type	LED	Lumen output	Operation	Dimmable	Rot. end cap	Beam angle	CRI	Color temp.	Life-time	Energy label	Dimensions	EOC 1 pcs (C)
EM	MASTER LEDtube	W	lm				°		K	Hrs		H x W	8718696
NEW	1200mm HO 16.5W840 T8	16.5	2100	EM & Mains	Yes	No	240	80	4000	50,000	A++	1214 x 28	80611100
NEW	1200mm HO 16.5W865 T8	16.5	2100	EM & Mains	Yes	No	240	80	6500	50,000	A++	1214 x 28	80613500
NEW	1500mm HO 24W840 T8	24	3100	EM & Mains	Yes	No	240	80	4000	50,000	A++	1514 x 28	80615900
NEW	1500mm HO 24W865 T8	24	3100	EM & Mains	Yes	No	240	80	6500	50,000	A++	1514 x 28	80617300





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