

PHILIPS

LED tube



Look away or see opportunities?

Real professionals increase their sales with Philips LED tubes

**REAL
PROs
REAL
QUALITY**

This is what Philips LED tubes can do

- ✓ Multiply your turnover through the use of LED Tubes instead of conventional light tubes.
- ✓ Philips LED tubes are genuine retrofit alternatives. No rebuilding of the existing luminaire is necessary. This way, the conformity of the luminaire is maintained.
- ✓ Highest quality standards and maximum performance reduce costs and risks.
- ✓ 100% safe and absolutely problem-free installation through direct, lamp-for-lamp replacement.
- ✓ Philips LED tubes conform to DIN EN 62776 safety standards.
- ✓ Philips LED tubes offer a broad choice for T8 and T5 applications, for conventional and low-loss as well as electronic ballast connections (HF, EM & Mains power connections)

Philips LED tubes InstantFit for HF Electronic Ballast – **for real compatibility:**

True professionals know that they can rely on Philips InstantFit LED tubes. Many products on the market promise compatibility, but only Philips InstantFit LED tubes work reliably with 184 tested luminaires. You can see the list of all test results on philips.com/LEDtube.

- ✓ No cable replacement. Simple install the new LEDtube in the existing socket.
- ✓ No replacement of power connections.
- ✓ Save and reliable. Electric pin safety design With Philips products you can safely touch the other end-cap when installing the tube. The integrated driver is also safely isolated from touchable parts. Philips LED tubes adhere to all UL and IEC pin safety requirements.

How to convince your customers of the advantages of Philips LED tubes

- ✓ Philips LED tubes pay for themselves! In most cases, energy savings in the first year are already higher than the cost of acquisition!
- ✓ With Philips LED tubes, you can rely on tested quality. Developed by experts, made for professionals.
- ✓ Philips LED tubes are up to 66% more efficient than TL-D (fluorescent) lamps, so that you save energy costs, while maintaining equally high lighting quality.
- ✓ Philips LED tubes are extremely long-lasting: up to 3x longer durability than conventional TL-D (fluorescent) lighting tubes.
- ✓ Philips LED tubes offer immediate, 100% lumen output. No hesitation when switched on, and optimal light. No flickering. No buzzing.
- ✓ Philips LED tubes contain no poisonous materials are 100% free of mercury.
- ✓ Philips LED tubes can replace conventional lighting tubes in minutes. No time-consuming rebuilds needed.
- ✓ Philips LED tubes meet the highest quality standards: up to 5 years guarantee*
- ✓ Demonstrate your competence to your customers as an expert in all kinds of LED lighting solutions, who can offer them reliable products.

* Warranty conditions according to lighting.philips.com/main/support/support/warranty

The new Philips LED tube Universal T8 range brings a new degree of simplicity. No need to consider the driver technology – or carry a double stock of products: – unique design for a quick and easy fit with luminaires that operate on EM ballasts, HF Electronic ballasts or mains power connections.

Small figures or **BIG NUMBERS?**

LED tubes are up to 66% more efficient than TL-D (fluorescent) tubes, meaning you maintain consistently higher light quality while saving energy costs.

Comparative calculation of LED vs conventional solution*	58W Fluorescent lamp	UE 21.5W MASTER LEDtube
Lamp performance	58 W	21.5 W
Use of energy/annually	232 kW	86 kW
Energy costs/annually	45.40 €	17.20 €
Energy cost savings/annually*		29.20 €

Burning hours per year	Energy costs/kW*						
	0,15 ct	0,16 ct	0,17 ct	0,18 ct	0,19 ct	0,20 ct	0,22 ct
500	0,08 €	0,08 €	0,09 €	0,09 €	0,10 €	0,10 €	0,11 €
1.000	0,15 €	0,16 €	0,17 €	0,18 €	0,19 €	0,20 €	0,21 €
1.500	0,23 €	0,24 €	0,26 €	0,27 €	0,29 €	0,30 €	0,32 €
2.000	0,30 €	0,32 €	0,34 €	0,36 €	0,38 €	0,40 €	0,42 €
2.500	0,38 €	0,40 €	0,43 €	0,45 €	0,48 €	0,50 €	0,53 €
3.000	0,45 €	0,48 €	0,51 €	0,54 €	0,57 €	0,60 €	0,63 €
4.000	0,60 €	0,64 €	0,68 €	0,72 €	0,76 €	0,80 €	0,84 €
5.000	0,75 €	0,80 €	0,85 €	0,90 €	0,95 €	1,00 €	1,05 €
6.000	0,90 €	0,96 €	1,02 €	1,08 €	1,14 €	1,20 €	1,26 €
7.000	1,05 €	1,12 €	1,19 €	1,26 €	1,33 €	1,40 €	1,47 €
8.000	1,20 €	1,28 €	1,36 €	1,44 €	1,52 €	1,60 €	1,68 €

Your energy cost savings per year for every saving in watt performance:

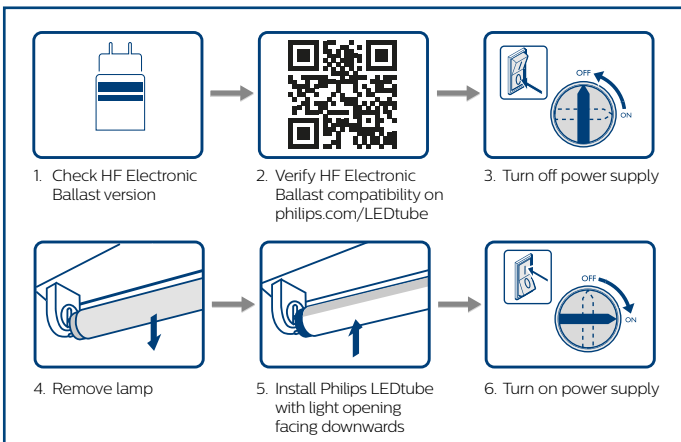
The table shows the energy cost savings per watt, in relation to the number of burning hours and the cost of energy. Simply multiply the saved wattage by the value in the table to see the energy costs savings per lamp per year.

* Example, calculation based on: Energy cost 0,20€/kW, 4,000 burning hours per year (see table 58 W – 21,5 W = 36,5 W saved x 0,80 € = 29,20 €)

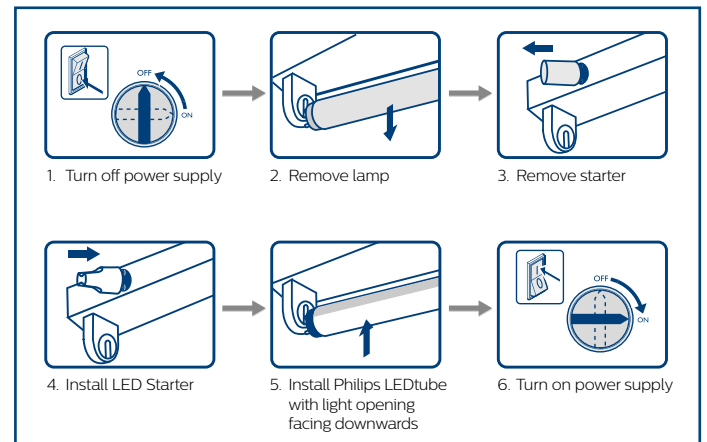
100% Safe Installation – easier than ever before

LED tubes provide the fastest and simplest way to convert existing luminaires to LED technology. The installation is 100% safe and totally unproblematic, due to lamp-for-lamp replacement.

Installation instructions for Electronic Ballast (HF)



Installation instructions for Electronic Ballast (EM)



Lamps must be installed in dry surroundings and only used in a luminaire suitable for the use for which it is intended.

Installation instructions for direct mains connection

