

PHILIPS

LED tubes

Real pros swap T5 fluorescents for T5 LED tubes

Philips MASTER LEDtube InstantFit HF T5 is energy-efficient, dimmable and compatible with most ballasts



Is it time to convert to LED tubes?

With rising energy prices and the imminent RoHS ban on fluorescent lights in the EU, installers are ready to convert to LEDs. And we know real pros never compromise on quality. For installers looking to swap their T5 fluorescents for LEDs, our tube is plug-and-play for many HF ballasts. In addition, they offer up to 55% energy savings compared to conventional fluorescents.



The new Philips MASTER LEDtube InstantFit HF T5 is equipped with our latest technology breakthrough. The IP-protected Super Compatibility design enables compatibility with various ballast types, including dimmable ballasts.

The new expanded Philips MASTER LEDtube InstantFit HF T5 range is available in several sizes to cover all conventional types, allowing for simple tube-for-tube replacement. Our InstantFit technology is flicker-free, with a long lifetime. It is a true T5 tube. The 15.7 mm tube diameter ensures an accurate 1:1 fit, and the glass material resists bending.

Help your customers convert wisely

- A completely new line-up to cover all the conventional types
- Super compatibility with various types, including dimmable ballasts
- Up to 55% energy savings compared to conventional fluorescents
- Durable: useful life of up to 60,000 hrs
- Comfortable, flicker-free design with low glare

Product features

- Glass design resists bending
- IP-protected driver design that ensures superior compatibility
- True T5 tube with a 15.7 mm diameter for an easy 1:1 fit
- Flicker-free design complies with the 2024 SLR requirement (SVM<0.4)
- Efficacy of up to 155 lm/W

Get ready for the EU's ban of fluorescent lights

The RoHS¹ directive of the European Union restricts the use of certain hazardous substances in electrical and electronic equipment, such as the use of mercury in lighting products. The directive includes exemptions for a series of products that have now been revised by the European Commission – with great impact on fluorescent lighting products.

Main consequences of the RoHS ban

- A ban on T5 and T8 fluorescent lamps from August 24, 2023
- A ban on CFLni lamps from February 24, 2023



¹RoHS: Reduction of Hazardous Substances ban.

Typical use cases



Offices

Office space with dimming capability for comfortable light at any moment.



Industry

Increase your energy saving without any hassle.



Classroom

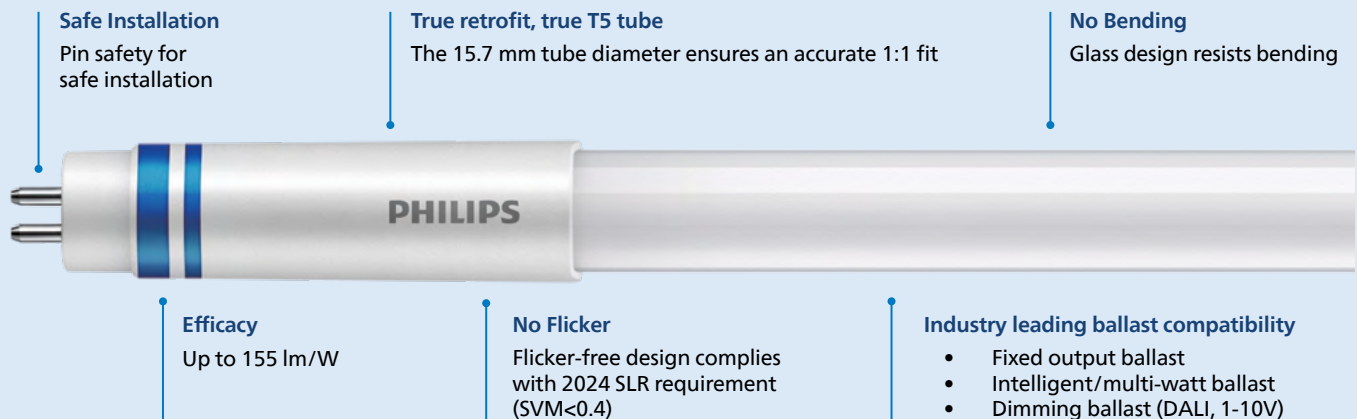
Optimize comfort by adjusting the light level for every task.



Retail

Optimize shelf lighting hassle free with LED lighting.

Product highlights



Payback before you know it

	Fluo	UO 5ft in industry	Fluo	HO 5ft in retail / supermarket	Fluo	HE 5ft in office
Lifetime	30,000 hrs	60,000 hrs	30,000 hrs	60,000 hrs	30,000 hrs	60,000 hrs
Lamp wattage	80W	36W	49W	26W	35W	20W
Total costs/year/lamp	253.40 €	115.25 €	117.83 €	61.52 €	39.76 €	21.55 €
Number of lamps	100		100		100	
Burning hours/year	8,760 hrs		6,480 hrs		3,000 hrs	
Total savings/year		13,815 €		5,631 €		1,821 €
Payback period		4.3 months		7.3 months		11.9 months
Total CO ₂ reduction over LED lifetime per lamp*		1,210 kg		668 kg		454 kg
Equivalent to emissions absorbed per lamp		54,9 trees		30,3 trees		20,6 trees

All calculations are based on the European average of 34 Euro cent/kW hour. *Including maintenance and lamp replacement cost.

*CO₂ gas emissions based on 0.42kg/kW Based on multiple scientific literature, an average fully grown tree can absorb 22 kg CO₂ per year.

Order information

12nc	Product type	Lamp Wattage	CCT	Beam angle	Lumen	Life Time	EEL	CRI	Luminous efficacy	EOC code
		W	K	Degree	lm	hrs			lm/W	
929003153902	MAS LEDtube HF 1500mm UO 36W 830 T5	36	3000	200	5200	60000	E	80	144	871951441905600
929003154002	MAS LEDtube HF 1500mm UO 36W 840 T5	36	4000	200	5600	60000	D	80	155	871951441907000
929003154102	MAS LEDtube HF 1500mm UO 36W 865 T5	36	6500	200	5600	60000	D	80	155	871951441909400
929003596202	MAS LEDtube HF 600mm HO 10.5W 830 T5	10.5	3000	200	1500	60000	E	80	142	872016916307200
929003596302	MAS LEDtube HF 600mm HO 10.5W 840 T5	10.5	4000	200	1600	60000	D	80	152	872016916309600
929003596402	MAS LEDtube HF 600mm HO 10.5W 865 T5	10.5	6500	200	1600	60000	D	80	152	872016916311900
929003596502	MAS LEDtube HF 900mm HO 18.5W 830 T5	18.5	3000	200	2600	60000	E	80	140	872016916313300
929003596602	MAS LEDtube HF 900mm HO 18.5W 840 T5	18.5	4000	200	2800	60000	D	80	151	872016916315700
929003596702	MAS LEDtube HF 900mm HO 18.5W 865 T5	18.5	6500	200	2800	60000	D	80	151	872016916317100
929002352002	MAS LEDtube HF 1200mm HO 26W 830 T5 OE	26	3000	200	3700	60000	E	80	142	871869974951400
929002352102	MAS LEDtube HF 1200mm HO 26W 840 T5 OE	26	4000	200	3900	60000	D	80	150	871869974953800
929002352202	MAS LEDtube HF 1200mm HO 26W 865 T5 OE	26	6500	200	3900	60000	D	80	150	871869974955200
929002352302	MAS LEDtube HF 1500mm HO 26W 830 T5 OE	26	3000	200	3700	60000	E	80	142	871869974957600
929002352402	MAS LEDtube HF 1500mm HO 26W 840 T5 OE	26	4000	200	3900	60000	D	80	150	871869974959000
929002352502	MAS LEDtube HF 1500mm HO 26W 865 T5 OE	26	6500	200	3900	60000	D	80	150	871869974961300
929001390702	MAS LEDtube HF 600mm HE 8W 830 T5	8	3000	200	1000	60000	E	80	125	871869674323200
929001390802	MAS LEDtube HF 600mm HE 8W 840 T5	8	4000	200	1050	60000	E	80	131	871869674325600
929001390902	MAS LEDtube HF 600mm HE 8W 865 T5	8	6500	200	1050	60000	E	80	131	871869674327000
929003596802	MAS LEDtube HF 900mm HE 11.5W 830 T5	11.5	3000	200	1600	60000	E	80	139	872016916319500
929003596902	MAS LEDtube HF 900mm HE 11.5W 840 T5	11.5	4000	200	1700	60000	D	80	147	872016916321800
929003597002	MAS LEDtube HF 900mm HE 11.5W 865 T5	11.5	6500	200	1700	60000	D	80	147	872016916323200
929001391002	MAS LEDtube HF 1200mm HE 16.5W 830 T5	16.5	3000	200	2300	60000	E	80	139	871869674329400
929001391102	MAS LEDtube HF 1200mm HE 16.5W 840 T5	16.5	4000	200	2500	60000	D	80	151	871869674331700
929001391202	MAS LEDtube HF 1200mm HE 16.5W 865 T5	16.5	6500	200	2500	60000	D	80	151	871869674333100
929001391302	MAS LEDtube HF 1500mm HE 20W 830 T5	20	3000	200	2800	60000	E	80	140	871869674335500
929001391402	MAS LEDtube HF 1500mm HE 20W 840 T5	20	4000	200	3000	60000	D	80	150	871869674337900
929001391502	MAS LEDtube HF 1500mm HE 20W 865 T5	20	6500	200	3000	60000	D	80	150	871869674339300

New to T5 product family



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All technical information can be found at www.philips.com/ledtube