

# How to easily make the big switch with Philips LED

You have three options to switch to Philips LED in industry applications – compliant, energy-saving and smart.

The 2023 bans on fluorescent are in effect!



With EU regulations being enforced and energy costs skyrocketing, the only sensible decision is to switch to LED now as there will be no alternatives anymore. **Our wide portfolio of Philips LED solution offers a compatible replacement option for any project to ensure a smooth transition for you and your customers.**

## What are the basic project parameters and customer expectations?

### 1 Re-lamping with LED lamps

- Current luminaires need to be kept
- Aiming for solution with low installation effort
- Payback period needs to be less than 1 year
- Larger invest irrational (e.g. rental property or big invest planned ahead)



For renovation projects

### 2 Renovation with LED luminaires

- Interested in modernization
- Medium installation effort estimated
- Ideal for older installations especially if current standards are not met

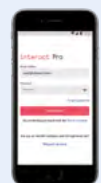


For renovation and new-build projects

### 3 Upgrade to smart LED lighting

- Looking for maximum energy efficiency and sustainability
- Open for new ideas and smart lighting solutions

interact ready.



Find the perfect Philips LED solution for each option on the next pages!

# 1 Re-lamping with Philips LED lamps

- ✓ 1:1 exchange of the conventional lamp
- ✓ Lower investment and faster payback than luminaire replacement

- ✓ Fast solution with little effort



## Re-lamp with Philips Master LEDtube UO T8

- Hassle-free 1-to-1 replacement
- Robust and reliable: stands up to everyday conditions
- Up to 75,000 hours lifetime



Energy savings  
of up to 70%<sup>1</sup>



Payback in up  
to 5 months<sup>2</sup>

Replacing conventional T8	Product type	LED	Lumen output	Efficiency	Beam angle	Dimmable	CRI	Color temp.	Lifetime	EEL	EOC code
W		W	lm	lm/W	°			K	Hrs.		
58	MAS LEDtube 1500mm UO 21.7W 840 T8	21.7	3700	170	160	no	80	4000	75,000	C	871951431664500
58	MAS LEDtube 1500mm HO 18.2W 840 T8	18.2	3100	170	160	no	80	4000	75,000	C	871869959243100
36	MAS LEDtube 1200mm UO 14.7W 840 T8	14.7	2500	170	160	no	80	4000	75,000	C	871951431658400
36	MAS LEDtube 1200mm HO 12.5W 840 T8	12.5	2100	168	160	no	80	4000	75,000	C	871869959237000
18	MAS LEDtube 600mm HO 8W840 T8	8	1050	131	160	no	80	4000	75,000	E	871869669749800



## Re-lamp with Philips MASTER LEDtube HF T5

- Hassle-free 1-to-1 replacement
- Ideal alternative to standard fluorescent tubes to maximize value over lifetime
- Up to 60,000 hours lifetime



Energy savings  
of up to 57%<sup>1</sup>



Payback in up  
to 6.5 months<sup>2</sup>

Replacing conventional T5	Product type	LED	Lumen output	Efficiency	Beam angle	Dimmable	CRI	Color temp.	Lifetime	EEL	EOC code
W		W	lm	lm/W	°			K	Hrs.		
80	MAS LEDtube HF 1500mm UO 36W 830 T5	36	5200	144	200	yes <sup>3</sup>	80	3000	60,000	E	871951441905600
80	MAS LEDtube HF 1500mm UO 36W 840 T5	36	5600	155	200	yes <sup>3</sup>	80	4000	60,000	D	871951441907000
80	MAS LEDtube HF 1500mm UO 36W 865 T5	36	5600	155	200	yes <sup>3</sup>	80	6500	60,000	D	871951441909400

1) Compared with conventional lighting

2) Calculation based on: 4,380 burning hours/year, total costs per year/lamp/luminaire including maintenance and replacement cost. Energy costs are calculated based on the European average of 34 cent/kW hour.

3) Check ballast compatibility

## 2 Renovation with Philips LED luminaires

✓ Best optical performance and compliance

✓ Advanced features (dimmability, emergency lighting, and more)



### Renovate with Philips CoreLine waterproof

- Uniform, wide-beam light distribution
- Optional motion detection, emergency lighting, DALI and waterproof external connector
- Tool-less electrical connections for fast installation
- All-in version with multiple lumen outputs available



Energy savings of up to 64%<sup>1</sup>



Payback in up to 12 months<sup>2</sup>

Product type	LED	Lumen output	Efficiency	Dimmable	CRI	Color temp.	UGR	Lifetime	EOC code
	W	lm	lm/W			K		Hrs.	
WT120C G2 LED27_45S/840 PSU L1200	32–18	2700 4500	141	No	>80	4000	25	100,000	50019899
WT120C G2 LED37_60S/840 PSU L1500	43–25	3700 6000	140	No	>80	4000	25	100,000	50020499



### Renovate with Philips Ledinaire batten

- Lumen output from 480lm to 2600lm
- Light line creation possible
- Mounting accessories included



Energy savings of up to 60%<sup>1</sup>



Payback in up to 4 months<sup>3</sup>

Product type	LED	Lumen output	Efficiency	Dimm-able	CRI	Color temp.	UGR	Lifetime	EOC code
	W	lm	lm/W			K		Hrs.	
BN021C LED5S/840 L300	5	540	108	No	>80	4000	27	50,000	52784399
BN021C LED10S/840 L600	10	1050	105	No	>80	4000	27	50,000	52786799
BN021C LED15S/840 L900	15	1600	106.7	No	>80	4000	27	50,000	52799199
BN021C LED20S/840 L1200	20	2100	105	No	>80	4000	27	50,000	52790499
BN021C LED25S/840 L1500	24	2600	108.3	No	>80	4000	27	50,000	52792899

1) Compared with TL-D/T8 applications

2) Calculation based on: 4,380 burning hours/year, total costs per year/lamp/luminaire including maintenance and replacement cost. Energy costs are calculated based on the European average of 34 cent/kW hour.

3) Calculation based on: 8,760 burning hours/year, total costs per year/lamp/luminaire including maintenance and replacement cost. Energy costs are calculated based on the European average of 34 cent/kW hour.

### 3 Upgrade to smart LED lighting

✓ Maximum energy savings even when converting from LED

✓ Create smarter industrial sites in which lighting can contribute to safety, productivity and overall employee well-being

Depending on the project, you can choose between Interact Ready LED tubes or LED luminaires to switch to smart LED lighting. Whichever solution you choose, you can be sure to benefit from hassle-free installation, seamless integration with the easy smart lighting system Interact Pro, and results that will wow your customers.



#### Re-lamp with Philips MasterConnect LEDtubes

- Smart retrofit LED solution that brings wireless connectivity to existing luminaires



Energy savings of up to 75%<sup>1</sup>



Replacing conventional T8	Product type	LED	Lumen output	Efficiency	Beam angle	Dimmable	CRI	Color temp.	Lifetime	EEL	EOC code
W		W	lm	lm/W	°			K	Hrs.		
58	MC LEDtube IA 1500mm UO 25W840 T8	25	3700	148	160	Wireless	80	4000	60,000	D	871869966976800
58	MC LEDtube IA 1500mm UO 25W865 T8	25	3700	148	160	Wireless	80	6500	60,000	D	871869966978200
36	MC LEDtube IA 1200mm UO 16W840 T8	16	2500	156	160	Wireless	80	4000	60,000	D	871869966970600
36	MC LEDtube IA 1200mm UO 16W865 T8	16	2500	156	160	Wireless	80	6500	60,000	D	871869966972000
18	MC LEDtube IA 600mm HO 7W840 T8	7	1050	150	160	Wireless	80	4000	60,000	D	871869971748300



#### Renovate with Philips CoreLine batten

- Homogeneous light distribution in every application
- Direct replacement for conventional battens in terms of light performance, installation, flexibility and length



Energy savings of up to 53%<sup>1</sup>



Product type	LED	Lumen output	Efficiency	Dimmable	CRI	Color temp.	UGR	Lifetime	EOC code
	W	lm	lm/W			K		Hrs.	
BN126C LED41S/840 WIA L1200	34	4100	121	Wireless	>80	4000	26	50,000	10043500
BN126C LED64S/840 WIA L1200	54	6400	119	Wireless	>80	4000	26	50,000	10022000
BN126C LED52S/840 WIA L1500	44	5200	118	Wireless	>80	4000	26	50,000	10044200
BN126C LED80S/840 WIA L1500	64	8000	125	Wireless	>80	4000	26	50,000	10026800



1) With advanced controls, compared with TL-D/T8 applications





Be part of the big switch!

Including details on the 2023 fluorescent ban



## More helpful links and tools

### [LED conversion tool >](#)

Easily find the best LED alternative to replace conventional or outdated lamps.

### [TCO tool >](#)

Switching to LED always pays off! Calculate the total cost of ownership with our dedicated tool.

### [Product selector tool >](#)

Find the right LED lighting that will fit your customers' plans and budget.

### [Training >](#)

Visit the Signify Lighting Academy to learn about LED conversion, our tools, portfolio and products.



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