

SWITCH TO LED



FLUORESCENT LAMP BAN 2023

# ALTERNATIVE LIGHTING OPTIONS FOR CAFETERIAS

## YOUR CHALLENGE

**Exchange of T5 fluorescent lamps lighting:** Recreation rooms, canteens and similar areas are used for regeneration and rest. A pleasant lighting contributes to relaxation and well-being. In contrast to traditional lighting, LED lamps and luminaires meet legal requirements for energy-saving lighting and the sustainability goals of companies and administrations such as hospitals, retirement homes, schools and universities.

### GENERAL INFORMATION: AMENDMENT TO EU ROHS DIRECTIVE 2011/65/EU

The EU RoHS Directive 2011/65/EU has been updated. With us as a strong partner, you can continue to make your lighting projects sustainable, future-proof and successful.



FEB 25,  
2023



Ban on placing compact fluorescent lamps with plug-in bases (CFLni) on the market



AUG 25,  
2023



Ban on placing T5 and T8 fluorescent lamps on the market



For a detailed overview go to [ledvance.com/rohs](https://ledvance.com/rohs)



# SWITCH TO LED: IT ALL ADDS UP IN A SHORT TIME AND THE POTENTIAL SAVINGS ARE ENORMOUS

Find the right LED lamp in no time with the LEDVANCE LAMP FINDER. Check online in the web app at [ledvance.com/lampfinder](http://ledvance.com/lampfinder)



### LED RETROFIT

LED TUBE T5 HF P  
1449 mm 26W 840  
4099854029134 EAN (GTIN)



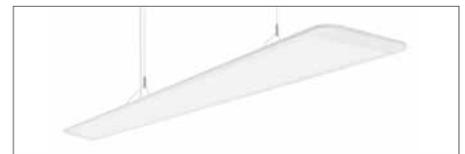
### LED CONVERSION

LED TUBE T5 AC HO49 P  
1449 mm 26W 840  
4058075824195 EAN (GTIN)



### LED LUMINAIRE

PANEL D/I 1200 36 W  
4000 K UGR19  
4058075144620 EAN (GTIN)



TOTAL SAVINGS  
UP TO **43%**

TOTAL CO<sub>2</sub> SAVINGS  
UP TO **65%**

PAYBACK TIME FROM  
**9** MONTHS

ENERGY SAVINGS UP TO  
**39 780** KWH

COST SAVINGS FOR ELECTRICITY  
UP TO **65%**

	OLD: Traditional T5 HO49W	NEW: LED TUBE T5 HF P 26W	Savings	NEW: LED TUBE T5 AC HO49 P 26W	Savings	NEW: PANEL D/I 1200 36 W	Savings
Guarantee		<b>5 years<sup>1</sup></b>		<b>5 years<sup>1</sup></b>		<b>5 years<sup>1</sup></b>	
Efficiency	<b>97 lm/W</b>	<b>153 lm/W</b>		<b>153 lm/W</b>		<b>110 lm/W</b>	
System wattage	<b>52 W</b> (incl. losses at ECG) <sup>2</sup>	<b>28 W</b> (incl. losses at ECG) <sup>2</sup>		<b>26 W</b> (on AC)		<b>36 W</b>	
Average lifetime	<b>20 000 h</b>	<b>50 000 h</b>		<b>50 000 h</b>		<b>80 000 h<sup>3</sup></b>	
Energy consumption of project	<b>2.6 kW</b>	<b>1.4 kW</b>		<b>1.3 kW</b>		<b>0.9 kW</b>	
Energy consumption over period of operation	<b>60 840 kWh</b>	<b>32 760 kWh</b>	<b>28 080 kWh</b>	<b>30 420 kWh</b>	<b>30 420 kWh</b>	<b>21 060 kWh</b>	<b>39 780 kWh</b>
CO <sub>2</sub> Emissions (231 g/kWh) <sup>4</sup>	<b>14 054 kg</b>	<b>7 568 kg</b>	<b>6 486 kg</b>	<b>7 027 kg</b>	<b>7 027 kg</b>	<b>4 865 kg</b>	<b>9 189 kg</b>
Total cost savings up to		<b>40%</b>		<b>43%</b>		<b>34%</b>	
Payback time from		<b>9 months</b>		<b>9 months</b>		<b>29 months</b>	

GLOBAL PARAMETERS <sup>5</sup>: Period of operation: 60 months, 5 years, 23 400 operating hours | Operating times: 7 days per week, 52 weeks per year, 15 hours per day | Number of light points: 50 lamps, 25 luminaires

#### WIRELESS, MODERN, FLEXIBLE

In addition to the change to LED lighting, light management systems can be used without extensive and cost-intensive renovations. Wireless-based systems, such as VIVARES Zigbee, are particularly advantageous here. The wireless VIVARES Zigbee system is ideal for modernizing existing buildings where rewiring is often not an option. LEDVANCE offers you everything from one source: all LMS components and matching LED luminaires.



#### FIND OUT MORE AT:



[ledvance.com/luminaires](http://ledvance.com/luminaires)



[ledvance.com/lamps](http://ledvance.com/lamps)



Take advantage of our services for your projects and get in touch at:  
Email: [contact@ledvance.com](mailto:contact@ledvance.com) | Phone: +49 89 780673-660

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions | <sup>2</sup> ECG losses depend on ECG type, check ECG compatibility before installation | <sup>3</sup> t [h]: L70/B50 at 25 °C (T<sub>a</sub>) | <sup>4</sup> 2020 European level of GHG emission intensity of electricity generation ([www.eea.europa.eu](http://www.eea.europa.eu)) | <sup>5</sup> Calculation Parameters: Replacement costs: Traditional T5 HO49W 3.55 €/piece, LED TUBE T5 HF P 26W 36.10 €/piece, LED TUBE T5 AC HO49 P 26W 35.25 €/piece, PANEL D/I 1200 36 W 306.90 €/piece, costs for exchanging: retrofit lamp 10.00 €/housing, conversion lamp 15.00 €/housing, luminaire 20.00 €/piece, electricity costs: 0.40 €/kWh. <sup>6</sup> Illustrative pricing. Prices may vary in your country.