

SWITCH TO LED



FLUORESCENT LAMP BAN 2023

# ALTERNATIVE LIGHTING OPTIONS FOR SMALL GROCERY STORES

## YOUR CHALLENGE

**Exchange of T8 fluorescent lamps lighting:** The right shop lighting creates a relaxing atmosphere for customers, helps them find their way around the shop and displays merchandise to best effect. What's more, it delivers impressive energy efficiency, long life, low maintenance and great versatility. In short: light is an important factor for the revenue, economic efficiency and therefore the long-term success of a shop.

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

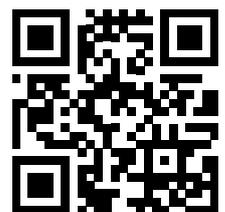
The EU RoHS Directive 2011/65/EU has been updated. With us as a strong partner, you can continue to make your lighting projects sustainable, future-proof and successful.



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



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

For long burning times of approx. 20 h/day, the LED TUBE Performance Class with a lifetime of 60 000 h<sup>1</sup> is a good alternative.



### LED RETROFIT<sup>1</sup>

LED TUBE T8 EM V  
600 mm 6.6W 840  
4099854038983 EAN (GTIN)



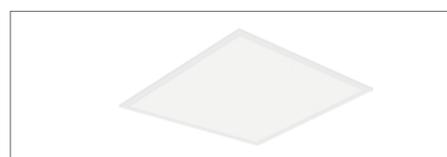
### LED CONVERSION<sup>1</sup>

LED TUBE T8 EM P  
600 mm 7W 840  
4099854036972 EAN (GTIN)



### LED LUMINAIRE

PANEL COMPACT 600 V  
33W 840  
4099854017902 EAN (GTIN)



TOTAL COST SAVINGS UP TO **66 %**

TOTAL CO<sub>2</sub> SAVINGS UP TO **71 %**

PAYBACK TIME FROM **< 2 MONTHS**

ENERGY SAVINGS UP TO **46 410 KWH**

COST SAVINGS FOR ELECTRICITY UP TO **71 %**

	OLD: Traditional T8 L 18 W/840	NEW: LED TUBE T8 EM V 6.6W	Savings	NEW: LED TUBE T8 EM P 7W	Savings	NEW: PANEL COMP 600 V 33W	Savings
Guarantee		<b>3 years<sup>2</sup></b>		<b>5 years<sup>2</sup></b>		<b>5 years<sup>2</sup></b>	
Efficiency	<b>69 lm/W</b>	<b>121 lm/W</b>		<b>150 lm/W</b>		<b>110 lm/W</b>	
System wattage	<b>24 W</b> (incl. losses at CCG)	<b>7.6W</b> (incl. losses at CCG)		<b>7.3W</b> (on AC)		<b>33 W</b>	
Average lifetime	<b>20 000 h</b>	<b>30 000 h</b>		<b>60 000 h</b>		<b>70 000 h<sup>3</sup></b>	
Energy consumption of project	<b>2.4 kW</b>	<b>0.8 kW</b>		<b>0.7 kW</b>		<b>0.8 kW</b>	
Energy consumption over period of operation	<b>65 520 kWh</b>	<b>20 748 kWh</b>	<b>44 772 kWh</b>	<b>19 110 kWh</b>	<b>46 410 kWh</b>	<b>22 523 kWh</b>	<b>42 998 kWh</b>
CO <sub>2</sub> Emissions (231 g/kWh) <sup>4</sup>	<b>15 135 kg</b>	<b>4 793 kg</b>	<b>10 342 kg</b>	<b>4 414 kg</b>	<b>10 721 kg</b>	<b>5 203 kg</b>	<b>9 932 kg</b>
Total cost savings up to		<b>66 %</b>		<b>66 %</b>		<b>61 %</b>	
Payback time from		<b>&lt; 2 months</b>		<b>5 months</b>		<b>4 months</b>	

GLOBAL PARAMETERS <sup>5</sup>: Period of operation: 60 months, 5 years, 27 300 operating hours | Operating times: 7 days per week, 52 weeks per year, 15 hours per day | Number of light points: lamps 100, luminaires 25

#### A SPECIAL ONE FOR FOOD PRESENTATION

The LED TUBE T8 EM FOOD P:

- Food looks fresh and appetizing without unduly "beautifying" it
- Quick, simple and safe replacement of fluorescent lamps
- Energy savings of up to 60 % (compared to T8 fluorescent lamp on CCG)
- Shatter protection thanks to special PET coating
- For food presentation in e.g. butchers, bakeries, supermarkets or meat processors



#### FIND OUT MORE AT:



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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> Product can be operated on traditional CCG (Retrofit) or AC Mains (Conversion) | <sup>2</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions | <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 T8 18W 2.86 €/piece, LED TUBE T8 EM V 6.6W 7.75 €/piece, LED TUBE T8 EM P 7W 12.25 €/piece, PL COMP 600 V 33W 840 53.90 €/piece, costs for exchanging: retrofit lamps 10.00 €/housing, conversion lamps 15.00 €/housing, luminaire 12.00 €/piece, electricity costs: 0.40 €/kWh.

<sup>6</sup> Illustrative pricing. Prices may vary in your country.