



FLUORESCENT LAMP BAN 2023

# ALTERNATIVE LIGHTING OPTIONS FOR COFFEE SHOPS OR SNACK BARS

## YOUR CHALLENGE

**Exchange of T8 fluorescent lamps lighting:** Especially in the serving area of coffee shops / snack bars, a good mix of light is important: the goods may be illuminated atmospherically and at the same time the work area must be sufficiently illuminated functionally. The traditional fluorescent tubes as a cost-effective solution are often found in this application. More economical is the use of LED tubes. A switch saves electricity costs and CO<sub>2</sub> - and it pays for itself in a very short time.

### 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 activation periods of approx. 20 h/day, the LED TUBE Performance Class with a lifetime of 60 000 h<sup>3</sup> is our recommendation for maximum cost savings.



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

LED TUBE T8 EM V  
1500 mm 18.3W 840  
4099854038228 EAN (GTIN)



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

LED TUBE T8 EM P  
1500 mm 20W 840  
4099854037139 EAN (GTIN)



## LED LUMINAIRE

LINEAR SURFACE IP44  
1200 36 W 4000 K WT  
4058075352896 EAN (GTIN)



TOTAL COST SAVINGS UP TO **70%**

COST SAVINGS FOR ELECTRICITY UP TO **74%**

PAYBACK TIME FROM **> 2 MONTHS**

ENERGY SAVINGS UP TO **16 380 KWH**

TOTAL CO<sub>2</sub> SAVINGS UP TO **74%**

	OLD: Traditional T8 58W	NEW: LED TUBE T8 EM V 18.3W	Savings	NEW: LED TUBE T8 EM P 20W	Savings	NEW: LN SF IP44 1200 36 W	Savings
Guarantee		3 years <sup>2</sup>		5 years <sup>2</sup>		5 years <sup>2</sup>	
Efficiency	90 lm/W	120 lm/W		155 lm/W		110 lm/W	
System wattage	68 W (incl. losses at CCG)	19.3 W (incl. losses at CCG)		20 W (on AC)		36 W	
Average lifetime	15 000 h	30 000 h		60 000 h		60 000 h <sup>3</sup>	
Energy consumption of project	1 kW	0.3 kW		0.3 kW		0.3 kW	
Energy consumption over period of operation	22 277 kWh	6 323 kWh	15 954 kWh	6 552 kWh	15 725 kWh	5 897 kWh	16 380 kWh
CO <sub>2</sub> Emissions (231 g/kWh) <sup>4</sup>	5 146 kg	1 461 kg	3 685 kg	1 514 kg	3 632 kg	1 362 kg	3 784 kg
Total cost savings up to		70 %		68 %		65 %	
Payback time from		> 2 month		3 months		7 months	

GLOBAL PARAMETERS<sup>5</sup>: Period of operation: 60 months, 5 years, 23 400 operating hours | Operating times: 6 days per week, 52 weeks per year, 15 hours per day | Number of light points: 14 lamps, 7 luminaires

### GOOD LIGHT ALL ROUND

LEDVANCE is leading the fight against bad light in every area. That's good news for you because when it comes to future-proof solutions relating to luminaires and lamps, HCL systems, electronic components, light management and smart residential products, you have a competent partner in LEDVANCE on your side for your lighting projects. You can always rely on LEDVANCE for excellent brand quality, professional service and a good price/performance ratio.



### FIND OUT MORE AT:



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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 58W 4.50 €/piece, LED TUBE T8 EM V 18.3W 11.85 €/piece, LED TUBE T8 EM P 20W 17.05 €/piece, LN SF IP44 1200 36 W 104.30 €/piece, costs for exchanging: retrofit lamp 10.00 €/housing, conversion lamp 15.00 €/housing, luminaire 20.00 €/piece, electricity costs: 0.40 €/kWh. \*Illustrative pricing. Prices may vary in your country.