

SWITCH TO LED



FLUORESCENT LAMP BAN 2023

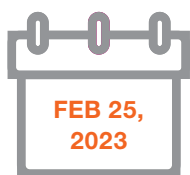
ALTERNATIVE LIGHTING OPTIONS FOR SMALLER WORKSHOPS

YOUR CHALLENGE

Exchange of T8 fluorescent lamps lighting: Workshops are used for a wide variety of activities and therefore also for changing visual tasks. Good lighting positively supports work performance, error rates and accident prevention. Switching to LEDs has several advantages: LED lamps emit their full light output immediately after being switched on, without flickering. A change is already worthwhile after a short time, due to considerable energy savings and CO₂ reduction compared to conventional T8 tubes.

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

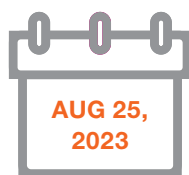
The EU RoHS Directive 2011/65/EU has been updated. With us as your strong partner, you can continue to make your lighting projects sustainable, future-proof and successful.



FEB 25,
2023



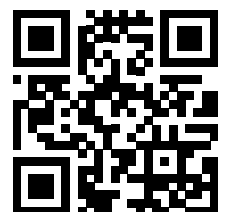
Ban on placing compact fluorescent lamps with plug-in bases (CFLni) on the market



AUG 25,
2023



Ban on placing T5 and T8 fluorescent lamps on the market



For a detailed overview go to ledvance.com/rohs



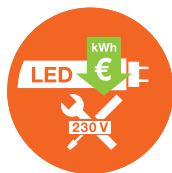
SWITCH TO LED: IT ALL ADDS UP IN A SHORT TIME AND THE POTENTIAL SAVINGS ARE ENORMOUS

Good to know: the LED TUBE UNIVERSAL is a product that can be flexibly used for operation on ECG and CCG or directly for mains voltage (AC) after rewiring.



LED RETROFIT¹

LED TUBE T8 UNIVERSAL V
1500 mm 24W 840
4099854026454 EAN (GTIN)



LED CONVERSION¹

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



LED LUMINAIRE

LB FLEX 1200 P 42W
840 VW
4058075676084 EAN (GTIN)



TOTAL COST SAVINGS UP TO **65%**

COST SAVINGS FOR ELECTRICITY UP TO **68%**

PAYBACK TIME FROM **3 MONTHS**

ENERGY SAVINGS UP TO **23 820 KWH**

TOTAL CO₂ SAVINGS UP TO **68%**

	OLD: Traditional T8 58W	NEW: LED TUBE T8 UNIVERSAL V 24W	Savings	NEW: LED TUBE T8 EM V 18.3W	Savings	NEW: LB FLEX 1200 P 42W	Savings
Guarantee		3 years²		3 years²		5 years²	
Efficiency	90 lm/W	116 lm/W		120 lm/W		155 lm/W	
System wattage	58 W <small>(incl. losses at ECG)³</small>	26 W <small>(incl. losses at ECG)³</small>		18.3 W		42 W	
Average lifetime	15 000 h	30 000 h		30 000 h		100 000 h⁴	
Energy consumption of project	2.3 kW	1 kW		0.7 kW		0.8 kW	
Energy consumption over period of operation	34 800 kWh	15 600 kWh	19 200 kWh	10 980 kWh	23 820 kWh	12 600 kWh	22 200 kWh
CO ₂ Emissions (231 g/kWh) ⁵	8 039 kg	3 604 kg	4 435 kg	2 536 kg	5 502 kg	2 911 kg	5 128 kg
Total cost savings up to		49%		65%		39%	
Payback time from		9 months		3 months		23 months	

GLOBAL PARAMETERS⁶: Period of operation: 60 months, 5 years, 15 000 operating hours | Operating times: 5 days per week, 50 weeks per year, 12 hours per day | Number of light points: 40 lamps, 20 luminaires

ROBUST AND FUNCTIONAL

They are the ideal addition to the LEDVANCE T8 LED tubes, especially for use in harsh environments. The robust housing of the damp-proof luminaire not only protects against moisture and dust but also easily withstands a hefty shock or two. Installation is particularly easy thanks to prewiring and integrated accessories.



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

FIND OUT MORE AT:



ledvance.com/tubes



ledvance.com/lampfinder

¹ UN can be operated on traditional CCG, ECG (Retrofit) or AC Mains (Conversion), EM can be operated on traditional CCG (Retrofit) or AC Mains (Conversion)

² Refer to www.ledvance.com/guarantee for precise conditions | ³ ECG losses depend on ECG type, check ECG compatibility before installation | * t [h]: L70/B50 at 25 °C (T_a)

⁴ 2020 European level of GHG emission intensity of electricity generation (www.eea.europa.eu) | ⁵ Calculation Parameters: Replacement costs: Traditional T8 58W 4.50 €/piece, LED TUBE T8 UNIVERSAL V 24W 31.90 €/piece, LED TUBE T8 EM V 18.3W 11.85 €/piece, LB FLEX 1200 P 42W 169.00 €/piece, costs for exchanging: retrofit lamp 10.00 €/housing, conversion lamp 15.00 €/housing, luminaire 20.00 €/piece, electricity costs: 0.40 €/kWh.

⁶ Illustrative pricing. Prices may vary in your country.