



TUBE 97



Areas of application

High-End LED TUBE Made in Germany, sustainable and 90% recyclable:

- Industrial areas, for example production halls, warehouses, trade centers
- Offices, schools, hotels
- Wholesale stores, garages, public buildings

Product benefits

Highest quality and maximum energy saving:

- Double-capped LED retrofit lamp for suitable luminaires, fixtures and fittings according international norm IEC EN 62776.
- Up to 80% energy savings.
- Lowest CO₂ Carbon Footprint on the market, reduce of CO₂-output about 75%.
- Lifetime >50.000 hours.
- The high-performance power supply and overvoltage protection are integrated in the GLT TUBE.
- Samsung LEDs.
- CE conformity of the luminaire is maintained.
- Conversion possible as purchase, rental or leasing.

Double-capped LED retrofit lamp that can be used as a replacement for double-ended fluorescent lamps without requiring any internal changes to the luminaire (KVG/VVG luminaire).

Double-capped LED conversion lamp that can be used as a replacement for another type of lamp that requires modification of the luminaire (ECG luminaire). In this case, the ballast is bridged by a qualified electrician using the GLT-conversion kit supplied.

Sustainability

GLT TUBES - resource-saving and economical:

- Environmental Product Declaration (EPD) in accordance with international standards ISO 14025 and EN 15804. Certified by the Institut Bauen und Umwelt e.V. as a LED light source for sustainable construction.
- Made in Germany -research, development and production exclusively in Germany.
- All components can be replaced and repaired.
- GLT reusable system - we take back your old GLT TUBES.



Product data | GLT TUBE 97

Certificates: CE, ENEC 05 DEKRA, EPD
 Photobiological protection class: 0
 IK protection class: 10
 Operating temperature: -40°C to +70°C
 Switching cycles before failure: >1.000.000
 Warranty: 3 years

Socket/base: G13/T8
 Cover: Milky, Diffuse, Clear
 Length: 97 cm
 Weight: 285 g
 Dimensions: 98,3 cm x 2,8 cm Ø

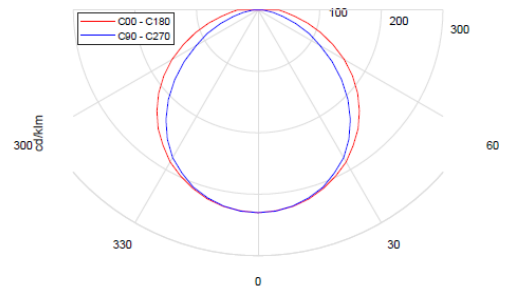
Photometric characteristics

Beam angle: 90°, 120°, 150°
 Lumen: 1.500 lm - 2.100 lm
 Colour temperature: 3.000K, 4.000K, 5.000K
 Colour rendering index: Ra 92 - Ra 94
 L70 (70% luminous intensity): L70 = 130.000 hours

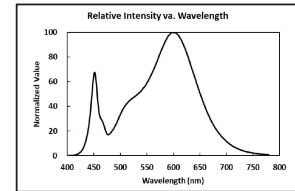
Electrical characteristics

Input voltage: 230 Volt
 Consumption: 14 W
 Power supply: Integrated high-performance power supply
 Operating frequency: 50 - 60 Hz
 Lifetime: >50.000 hours
 Power factor: >95
 Power consumption: 13,8 kWh/1.000 h

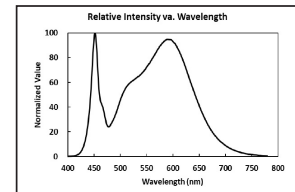
light distribution



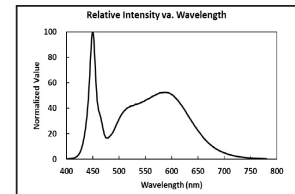
light spectrum 3.000K



light spectrum 4.000K



light spectrum 5.000K



article-nr.	description	cover	colour temperature	luminous flux	EPREL-nr.	energy efficiency
1001970250203003	GLT TUBE 97 M 5K++	Milky 120°	5.000K	2.100 lm	1396305	A I G C
1001970240203003	GLT TUBE 97 M 4K++	Milky 120°	4.000K	2.100 lm	1396304	A I G C
1001970530202003	GLT TUBE 97 D 3K+	Diffuse 150°	3.000K	1.500 lm		A I G E
1001970540203003	GLT TUBE 97 D 4K++	Diffuse 150°	4.000K	2.000 lm	1396307	A I G C
1001970550203003	GLT TUBE 97 D 5K++	Diffuse 150°	5.000K	2.000 lm	1903879	A I G C
1001970150203003	GLT TUBE 97 C 5K++	Clear 90°	5.000K	2.100 lm	1988252	A I G C

The luminaire complies with the basic requirements of the applicable EU directives and product safety law and carries the CE mark, ENEC 05 DEKRA and EPD. Please consult your consultant if the luminaire is to be used in chemically polluted environments, under increased ambient temperatures or high or condensing humidity.