



TUBE 150



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 150

Certificates:	CE, ENEC 05 DEKRA, EPD
Photobiological protection class:	0 (no risk)
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:	150 cm
Weight:	427 g
Dimensions:	151,3 cm x 2,8 cm Ø

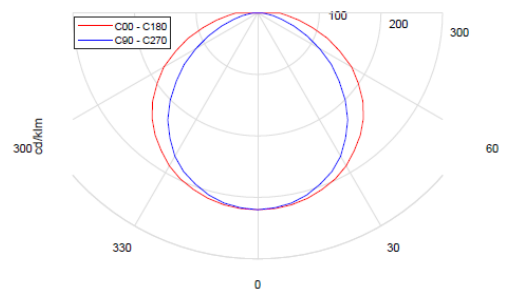
Photometric characteristics

Beam angle:	90°, 120°, 150°
Lumen:	2.300 lm - 3.550 lm
Colour temperature:	3.000K, 4.000K, 5.000K
Colour rendering index:	Ra 92 - Ra 94
L70 (70% luminous intensity):	L70 = 130.000 hours

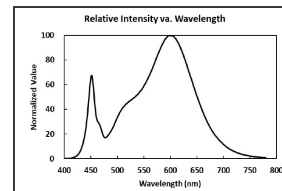
Electrical characteristics

Input voltage:	230 Volt
Consumption:	17 W
Power supply:	Integrated high-performance power supply
Operating frequency:	50 - 60 Hz
Lifetime:	> 50.000 hours
Power factor:	> 95
Power consumption:	16,8 kWh/1.000 h

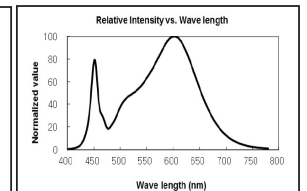
light distribution



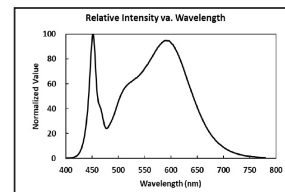
light spectrum 3.000K



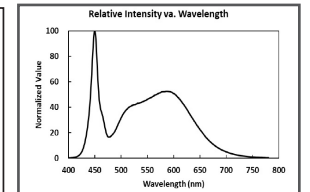
light spectrum 3.500K



light spectrum 4.000K



light spectrum 5.000K



article-nr.	description	cover	colour temperature	luminous flux	EPREL-nr.	energy efficiency
1001150230202003	GLT TUBE 150 M 3K+	Milky 120°	3.000K	2.500 lm	1386048	AIG C
1001150230204003	GLT TUBE 150 M 3K+++	Milky 120°	3.000K	3.450 lm	1644527	AIG A
1001150235204003	GLT TUBE 150 M 3,5K+++	Milky 120°	3.500K	3.500 lm	1609811	AIG A
1001150240203003	GLT TUBE 150 M 4K++	Milky 120°	4.000K	3.000 lm	1369463	AIG B
1001150240204003	GLT TUBE 150 M 4K+++	Milky 120°	4.000K	3.550 lm	1616503	AIG A
1001150250203003	GLT TUBE 150 M 5K++	Milky 120°	5.000K	3.000 lm	1380171	AIG B
1001150250204003	GLT TUBE 150 M 5K+++	Milky 120°	5.000K	3.550 lm	1616561	AIG A
1001150530202003	GLT TUBE 150 D 3K+	Diffuse 150°	3.000K	2.300 lm	1386060	AIG D
1001150530204003	GLT TUBE 150 D 3K+++	Diffuse 150°	3.000K	3.250 lm	1644581	AIG A
1001150535204003	GLT TUBE 150 D 3,5K+++	Diffuse 150°	3.500K	3.300 lm	1609833	AIG A
1001150540203003	GLT TUBE 150 D 4K++	Diffuse 150°	4.000K	2.800 lm	1385995	AIG B
1001150540204003	GLT TUBE 150 D 4K+++	Diffuse 150°	4.000K	3.350 lm	1644608	AIG A
1001150550203003	GLT TUBE 150 D 5K++	Diffuse 150°	5.000K	2.800 lm	1386021	AIG B
1001150550204003	GLT TUBE 150 D 5K+++	Diffuse 150°	5.000K	3.400 lm	1644617	AIG A
1001150140203003	GLT TUBE 150 C 4K++	Clear 90°	4.000K	3.000 lm	1386015	AIG B
1001150140204003	GLT TUBE 150 C 4K+++	Clear 90°	4.000K	3.550 lm	1644629	AIG A
1001150150203003	GLT TUBE 150 C 5K++	Clear 90°	5.000K	3.000 lm	1386038	AIG B
1001150150204003	GLT TUBE 150 C 5K+++	Clear 90°	5.000K	3.550 lm	1644634	AIG A

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.