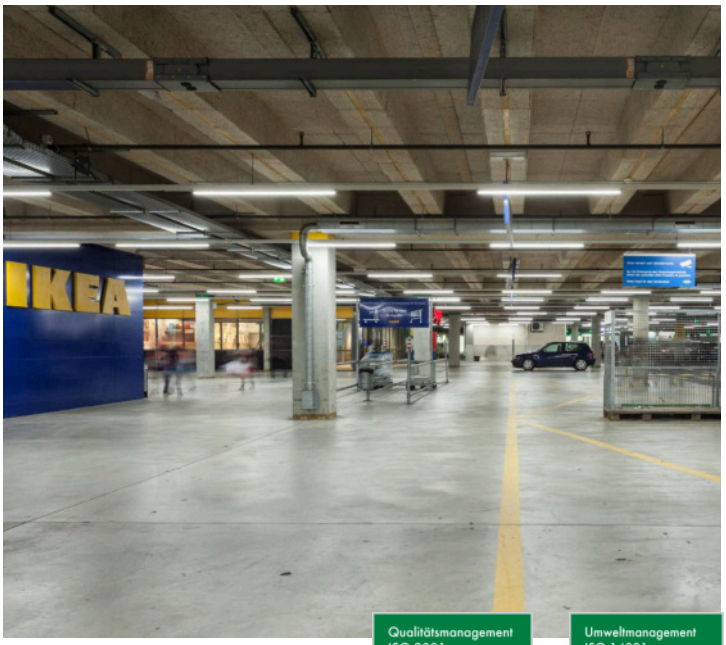
TUBE 120++



Areas of application

High-End GLT 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 GLT TUBE 120++

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 CO_2 Carbon Footprint on the market, reduce of CO_2-output about 75%.
- Lifetime >50.000 hours (L70 = 130.000 hours).
- The high-performance power supply and overvoltage protection are integrated in the GLT LED 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 LED TUBES - resource-saving and economical:

- Environmental Product Declaration (EPD) in accordance with international standards ISO 14025 and EN 15804, LED luminaires for measuring and evaluating the energy and environmental impact of lighting. Building block for corporate sustainability strategies.
- 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 LED TUBES.

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DS_GLT TUBE 120++_EN_01.06.2025_V8.0 - illustrations similar, subject to technical changes

Product data | GLT TUBE 120++

Certificates:	CE, ENEC 05 DEKRA, EPD
Photobiolocical protection class:	0 (no risk)
IK protection class:	10
Operating temperature:	-40°C to +70°C
Switching cycles before failure:	> 1.000.000
Warranty:	5 years
Socket/base:	G13/T8
Cover:	Milky, Diffuse, Clear
Length:	120 cm
Weight:	343 g
Dimensions:	121,3 cm x 2,8 cm ø

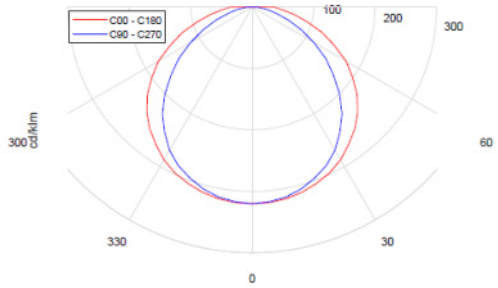
Photometric characteristics

Beam angle:	90°, 120°, 150°
Lumen:	1.900 lm - 2.500 lm
Colour temperature:	3.000K, 4.000K, 5.000K
Colour rendering index:	Ra 92 - Ra 94
L70 (70% luminous intensity):	L70 = 130.000 hours

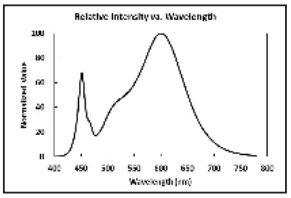
Electrical characteristics

Input voltage:	230 Volt
AC/DC-compatible:	185 - 265 V
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

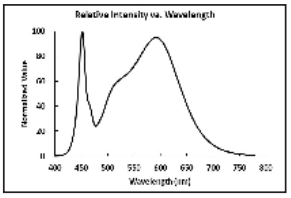
light distribution



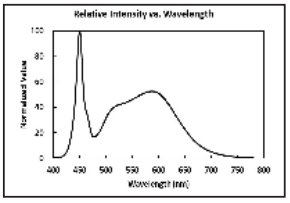
light spectrum 3.000K



light spectrum 4.000K



light spectrum 5.000K



All article numbers are available with adjustable end caps from 0° to 90°.
The technical specifications remain unchanged.

article-nr.	description	cover	colour temperature	luminous flux	EPREL-nr.	energy efficiency
1001120230202003	GLT TUBE 120 M 3K+	Milky 120°	3.000K	2.000 lm	1386597	C
1001120240203003	GLT TUBE 120 M 4K++	Milky 120°	4.000K	2.500 lm	1386071	A
1001120250203003	GLT TUBE 120 M 5K++	Milky 120°	5.000K	2.500 lm	1386079	A
1001120530202003	GLT TUBE 120 D 3K+	Diffuse 150°	3.000K	1.900 lm	1386598	D
1001120540203003	GLT TUBE 120 D 4K++	Diffuse 150°	4.000K	2.300 lm	1386099	B
1001120550203003	GLT TUBE 120 D 5K++	Diffuse 150°	5.000K	2.300 lm	1386114	B
1001120130202003	GLT TUBE 120 C 3K+	Clear 90°	3.000K	2.000 lm	1386599	C
1001120140203003	GLT TUBE 120 C 4K++	Clear 90°	4.000K	2.500 lm	1386111	A
1001120150203003	GLT TUBE 120 C 5K++	Clear 90°	5.000K	2.500 lm	1386117	A

The luminaire complies with the basic requirements of the applicable EU directives and product safety law and carries the CE mark, ENEC 05 DEKRAand 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.