



TUBE 145 ++



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 145++

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 (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 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.



Product data | GLT TUBE 145++

Certificates:	CE, EPD
Photobiological protection class:	0
IK protection class:	10
Operating temperature:	-40°C to +70°C
Switching cycles before failure:	>1.000.000
Warranty:	5 years
Socket/base:	T5/G5
Cover:	Milky, Diffuse, Clear
Length:	145 cm
Weight:	412 g
Dimensions:	146,3 cm x 2,8 cm Ø

Photometric characteristics

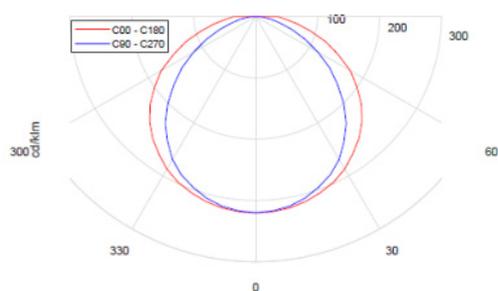
Beam angle:	90°, 120°, 150°
Lumen:	2.300 lm -3.000 lm
Colour temperature:	3.000K, 4.000K, 5.000K
Colour rendering index:	Ra 92 - Ra 94
L70 (70% luminous intensity):	L70 = 130.000 hours

Electrical characteristics

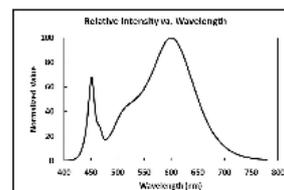
Input voltage:	230 Volt
AC/DC-compatible:	185 - 265 V
Consumption:	17 W
Power supply:	Integrated high-performance power supply
Operating frequency:	50 - 60 Hz
Lifetime:	>50.000 hours
Power factor:	>95
Power consumption:	16,8 kWh/1.000 h

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

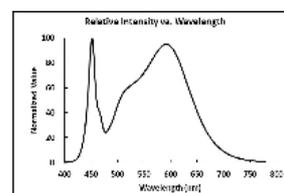
light distribution



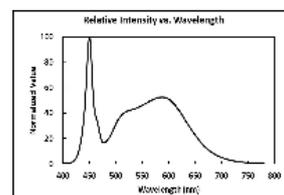
light spectrum 3.000K



light spectrum 4.000K



light spectrum 5.000K



article-nr.	description	cover	colour temperature	luminous flux	EPREL-nr.	energy efficiency
1001140230202003	GLT TUBE 145 M 3K+	Milky 120°	3.000K	2.500 lm	1463445	A I G C
1001140240203003	GLT TUBE 145 M 4K++	Milky 120°	4.000K	3.000 lm	1388769	A I G B
1001140250203003	GLT TUBE 145 M 5K++	Milky 120°	5.000K	3.000 lm	1388770	A I G B
1001140530202003	GLT TUBE 145 D 3K+	Diffuse 150°	3.000K	2.300 lm	1653836	A I G D
1001140540203003	GLT TUBE 145 D 4K++	Diffuse 150°	4.000K	2.800 lm	1388772	A I G B
1001140550203003	GLT TUBE 145 D 5K++	Diffuse 150°	5.000K	2.800 lm	1388775	A I G B
1001140140203003	GLT TUBE 145 C 4K++	Clear 90°	4.000K	3.000 lm	1388776	A I G B
1001140150203003	GLT TUBE 145 C 5K++	Clear 90°	5.000K	3.000 lm	1388777	A I G B

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