



# 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 150++

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 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.



















GERMANY

# Product data | GLT TUBE 150++

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 G13/T8

Cover: Milky, Diffuse, Clear

Length: 150 cm Weight: 427 g

Dimensions: 151,3 cm x 2,8 cm 0

#### 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

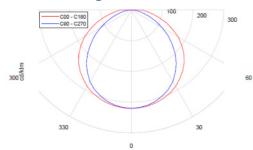
Operating frequency: 50 - 60 Hz Lifetime: > 50.000 hours

Power factor: > 95

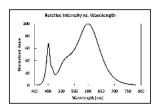
Power consumption: 16,8 kWh/1.000 h

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

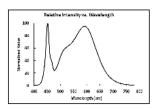
## light distribution



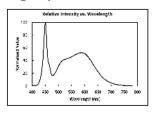
## light spectrum 3.000K



# light spectrum 4.000K



## light spectrum 5.000K



article nr.	description	cover	colour temperature	luminous flux	EPREL-nr.	energy efficiency
1001150230202003	GLT TUBE 150 M 3K+	Milky 120°	3.000K	2.500 lm	1386048	A C
1001150240203003	GLT TUBE 150 M 4K++	Milky 120°	4.000K	3.000 lm	1369463	å B
1001150250203003	GLT TUBE 150 M 5K++	Milky 120°	5.000K	3.000 lm	1380171	B
1001150530202003	GLT TUBE 150 D 3K+	Diffuse 150°	3.000K	2.300 lm	1386060	A I
1001150540203003	GLT TUBE 150 D 4K++	Diffuse 150°	4.000K	2.800 lm	1385995	å B
1001150550203003	GLT TUBE 150 D 5K++	Diffuse 150°	5.000K	2.800 lm	1386021	B
1001150140203003	GLT TUBE 150 C 4K++	Clear 90°	4.000K	3.000 lm	1386015	B
1001150150203003	GLT TUBE 150 C 5K++	Clear 90°	5.000K	3.000 lm	1386038	A B