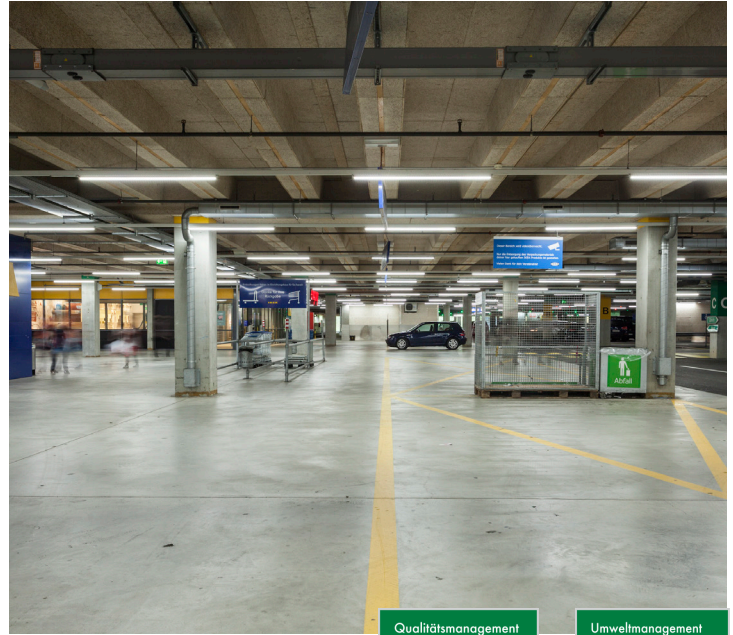




TUBE 120



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

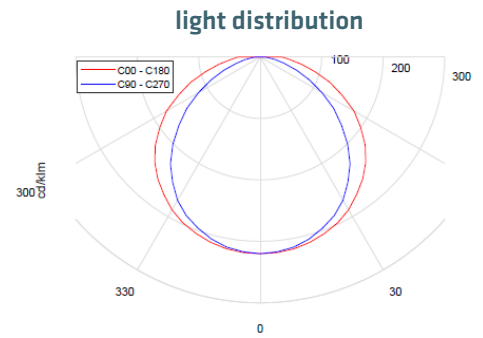
GLT TUBES - resource-saving and economical:

- 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 120

| | |
|-----------------------------------|------------------------------------|
| Certificates: | CE, ENEC 05 DEKRA, Made in Germany |
| 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: | 120 cm |
| Weight: | 343 g |
| Dimensions: | 121,3 cm x 2,8 cm Ø |



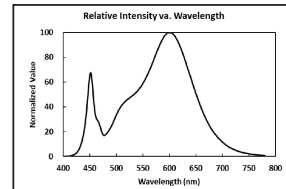
Photometric characteristics

| | |
|-------------------------------|--------------------------------|
| Beam angle: | 90°, 120°, 150° |
| Lumen: | 1.900 lm - 2.950 lm |
| Colour temperature: | 3.000K, 3.500K, 4.000K, 5.000K |
| Colour rendering index: | Ra 92 - Ra 94 |
| L70 (70% luminous intensity): | L70 = 130.000 hours |

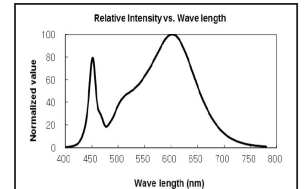
Electrical characteristics

| | |
|----------------------|--|
| 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 |

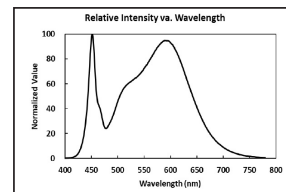
light spectrum 3.000K



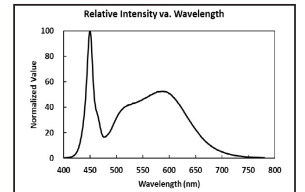
light spectrum 3.500K



light spectrum 4.000K



light spectrum 5.000K



| article-nr. | description | cover | colour temperature | luminous flux | EPREL-nr. | energy efficiency |
|------------------|------------------------|--------------|--------------------|---------------|-----------|-------------------|
| 1001120230202003 | GLT TUBE 120 M 3K+ | Milky 120° | 3.000K | 2.000 lm | 1386597 | AIG C |
| 1001120230204003 | GLT TUBE 120 M 3K+++ | Milky 120° | 3.000K | 2.850 lm | 1644667 | AIG A |
| 1001120235204003 | GLT TUBE 120 M 3,5K+++ | Milky 120° | 3.500K | 2.900 lm | 1644672 | AIG A |
| 1001120240203003 | GLT TUBE 120 M 4K++ | Milky 120° | 4.000K | 2.500 lm | 1386071 | AIG A |
| 1001120240204003 | GLT TUBE 120 M 4K+++ | Milky 120° | 4.000K | 2.950 lm | 1644681 | AIG A |
| 1001120250203003 | GLT TUBE 120 M 5K++ | Milky 120° | 5.000K | 2.500 lm | 1386079 | AIG A |
| 1001120250204003 | GLT TUBE 120 M 5K+++ | Milky 120° | 5.000K | 2.950 lm | 1644689 | AIG A |
| 1001120530202003 | GLT TUBE 120 D 3K+ | Diffuse 150° | 3.000K | 1.900 lm | 1386598 | AIG D |
| 1001120530204003 | GLT TUBE 120 D 3K+++ | Diffuse 150° | 3.000K | 2.650 lm | 1639440 | AIG A |
| 1001120535204003 | GLT TUBE 120 D 3,5K+++ | Diffuse 150° | 3.500K | 2.700 lm | 1644696 | AIG A |
| 1001120540203003 | GLT TUBE 120 D 4K++ | Diffuse 150° | 4.000K | 2.300 lm | 1386099 | AIG B |
| 1001120540204003 | GLT TUBE 120 D 4K+++ | Diffuse 150° | 4.000K | 2.750 lm | 1644714 | AIG A |
| 1001120550203003 | GLT TUBE 120 D 5K++ | Diffuse 150° | 5.000K | 2.300 lm | 1386114 | AIG B |
| 1001120550204003 | GLT TUBE 120 D 5K+++ | Diffuse 150° | 5.000K | 2.750 lm | 1644726 | AIG A |
| 1001120130202003 | GLT TUBE 120 C 3K+ | Clear 90° | 3.000K | 2.000 lm | 1386599 | AIG C |
| 1001120140203003 | GLT TUBE 120 C 4K++ | Clear 90° | 4.000K | 2.500 lm | 1386111 | AIG A |
| 1001120150203003 | GLT TUBE 120 C 5K++ | Clear 90° | 5.000K | 2.500 lm | 1386117 | 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.