



# LED TUBE 90 M 4K++



## Application area, Product advantages & Sustainability

### Areas of Application

For all industrial sectors such as production, logistics and warehouse halls, exhibition halls. Public buildings, offices, parking garages, parking facilities, wholesale markets.



### Product Advantages GLT LED TUBE

- Double-ended LED lamp according to IEC EN 62776 for standard luminaires and fixtures (CE).
- Up to 80% energy savings.
- Lowest CO2 carbon footprint on the market, reducing CO2 emissions by 75%.
- Long lifetime 130,000 hours (L70 including power supply).
- High-performance power supply and surge protection integrated.
- AC/DC compatible: 185–265 V.
- Available as purchase, lease or rental.

Standard-compliant (CE), double-ended LED retrofit lamp for luminaires with conventional control gear (CCG/VVG). Starter is replaced by dummy and connected directly to 230 V.

Standard-compliant (CE), double-ended LED conversion lamp for luminaires with electronic control gear (EVG). Connected directly to 230 V by qualified electrician.

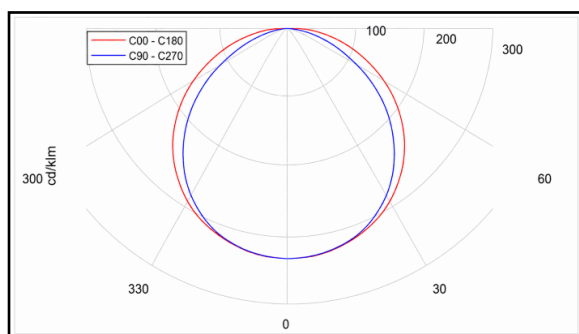
### Sustainability

- Environmental Product Declaration (EPD) according to ISO 14025 and EN 15804 (Fraunhofer).
- Made in Germany – development and production exclusively in Germany.
- All components are replaceable and repairable.
- GLT reusable system – we take back used GLT LED TUBES.

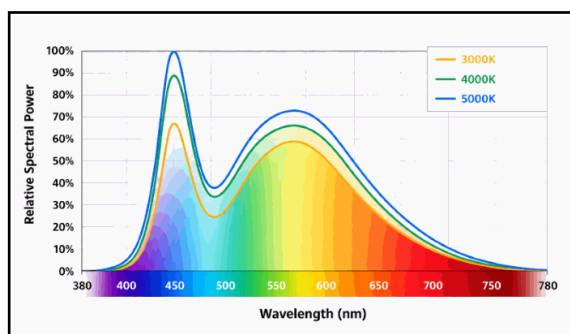
## Technical Productdata

|                                  |                        |
|----------------------------------|------------------------|
| Item No.                         | 1001090240203003       |
| EAN/GTIN                         | 4262494090219          |
| Certification                    | CE, ENEC 05 DEKRA, EPD |
| Photobiological protection class | 0                      |
| IK protection rating             | 10                     |
| Ambient temperature              | -40°C - +70°C          |
| Switching cycles                 | >1.000.000             |
| Warranty (years)                 | 5                      |
| Base/socket                      | G13/T8                 |
| Cover                            | Milky                  |
| Length                           | 90 cm                  |
| Dimensions                       | 90,8 cm x 2,8 cm Ø     |
| Net weight                       | 277 g                  |
| Beam angle                       | 120°                   |
| Luminous flux (lumens)           | 2.100 lm               |
| Color temperature                | 4.000K                 |
| Color rendering index            | Ra 92 - 94             |
| L70 (70% luminous intensity)     | L70 = 130.000 h        |
| Input voltage                    | 230 V                  |
| AC/DC compatible                 | 185 V - 265 V          |
| Power                            | 14 W                   |
| Power supply integrated          | High-Power-Supply      |
| Operating frequency              | 50 - 60 Hz             |
| Lifespan                         | >50.000 h              |
| Power factor                     | >95                    |
| Energy consumption               | 13,8 kWh/1.000 h       |
| Energy efficiency class          | C                      |
| Customs tariff No.               | 85395200               |
| Eprel                            | 1392607                |

## Light distribution



## Light spectrum



All item no. are available with an adjustable end cap from 0° to 90°. Technical specifications remain unchanged.

The GLT LED TUBE complies with the essential requirements of the applicable EU directives and the Product Safety Act and bears the CE marking. When using the GLT LED TUBE in chemically aggressive ambient atmospheres, at elevated ambient temperatures, or in conditions of high or condensing humidity, please consult your advisor.