

## GLT TUBE in ECG-lamps Operating Instructions

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### 1. Included

- 1 x GLT TUBE as replacement for fluorescent tubes T5/G5 and T8/G13
- 1 x GLT conversion-kit
- 1 x operating instructions

### 2. Safety information

To use the GLT TUBE safe, you must

- read the operating instructions,
- regard the operating instructions as a part of this product,
- accompany the operating instructions if the device is passed on to a third party,
- retain the enclosed operating instruction for reference.

### 3. Intended use

- Switch off electricity before changing your light tube.
- Do not change damaged or corroded lamp holder but seek the advice of a qualified electrician.
- Do not dispose in household waste.
- Only use the device within closed rooms.
- The product is suitable for electromagnetic ballast (includes a starter). For lamps without starter (with electronic ballast = ECG) the GLT TUBE can only be installed by a qualified professional.
- Before cleaning the unit, disconnect it from other components; do not use aggressive cleaning agents.
- This lamp is intended for use in general lighting (explosive atmospheres are e.g. excluded).

### 4. Start up by a qualified professional with GLT Conversion-Kit

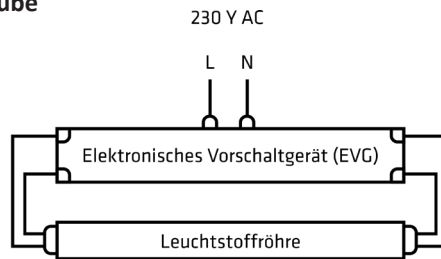
#### Scope of delivery GLT Conversion-Kit:

- 3 pcs. Wago 2-fold-clips.
- Sign „Attention! Only suitable for LED-tubes!“ (red).
- Product label for rewired luminaire (white).

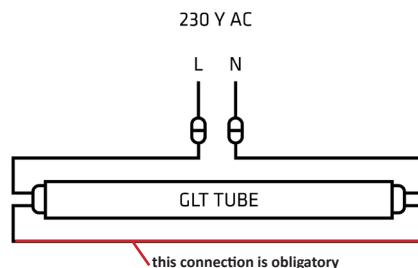
### Conversion to GLT TUBE

1. Switch off the power supply.
2. Secure against restarting.
3. Establish zero voltage.
4. Remove conventional lamp.
5. Remove or unwire ballast.
6. Wiring of the GLT TUBE according to the electrical diagram (picture 1 and 2).

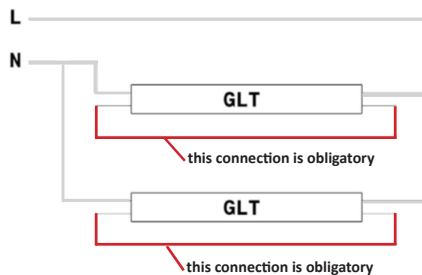
### Electrical Diagram single-lamp before conversion with conventional fluorescent tube



### Picture 1: Electrical diagram single-lamp after conversion with GLT TUBE:



### Picture 2: Electrical diagram multi-lamp



7. Fix the attention-sign „red“ visibly in the centre of the fitting.
8. Insert GLT TUBE into the lamp socket.
9. Turn the GLT TUBE 90°.
10. Turn on power.
11. Check that the lamp starts.

### 5. Warranty/Liability for defects

The unit has been carefully checked for defects. If nevertheless you do have cause for complaint, please send us the unit with your proof of purchase.

We accept a warranty of 2 years from date of purchase. In case of damages arising from violation of the operating instructions, the warranty will be void. We are not liable for damage arising from incorrect handling, improper use or wear and tear.

We reserve the right to make technical modifications.

### 6. Technical data

#### GLT TUBE 30

Power supply: 230 V AC  
Power consumption: 6 Watt  
Current consumption: ca. 35 mA  
Socket/base GLT TUBE 30: T8/G13  
Dimensions: 30,16 cm x 2,8 cm Ø

#### GLT TUBE 55/60

Power supply: 230 V AC  
Power consumption: 6 Watt  
Current consumption: ca. 35 mA  
Socket/base GLT TUBE 55: T5/G5  
Socket/base GLT TUBE 60: T8/G13  
Dimensions: 55,4/60,4 cm x 2,8 cm Ø

#### GLT TUBE 75

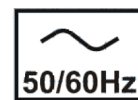
Power supply: 230 V AC  
Power consumption: 12 Watt  
Current consumption: ca. 67 mA  
Socket/base GLT TUBE 75: T8/G13  
Dimensions: 75,5 cm x 2,8 cm Ø

#### GLT TUBE 85/90/97/105/115/120

Power supply: 230 V AC  
Power consumption: 14 Watt  
Current consumption: ca. 67 mA  
Socket/base GLT TUBE 85/115: T5/G5  
Socket/base GLT TUBE 90/97/105/120: T8/G13  
Dimensions: 85,7/90,8/98,3/106/116,3/121,3 cm x 2,8 cm Ø

#### GLT TUBE 145/150/180

Power supply: 230 V AC  
Power consumption: 17 Watt  
Current consumption: ca. 85 mA  
Socket/base GLT TUBE 145: T5/G5  
Socket/base GLT TUBE 150/180: T8/G13  
Dimensions: 146,3/151,3/177,7 cm x 2,8 cm Ø



The GLT TUBE is suitable for 50/60 Hz operation.



The GLT TUBE is for use in dry conditions or in a lamp that provides protection.



The GLT TUBE is not suitable for emergency lighting.

Ambient temperature: -40°C to +70°C