

# Quick Installation Guide

## Philips MASTER LEDtube GA

Please take the time to read this Quick installation guide. The guide contains important information and notes regarding the installation and operation.

### IMPORTANT!

- **Always switch off the power supply before commencing work!**
- Philips MASTER LEDtube itself has IP 20 rating, therefore it is only for indoor usage and not suitable for outdoor lighting or emergency lighting.
- Philips MASTER LEDtube must be installed by a professional electrician in accordance with the relevant electrical codes.
- Do not change the structure or any components of the MASTER LEDtube to ensure safety.
- Please keep this Quick Installation Guide for at least the coming ten years for future system maintenance.
- Philips MASTER LEDtube is designed to fit in standard IEC compliant G13 bi-pin lampholders.
- Philips MASTER LEDtube set (LEDtube + EMP050) is designed to fit in fluorescent EM ballast based systems with starter
- Please read the installation instruction very carefully and follow the wiring instructions to ensure safety.

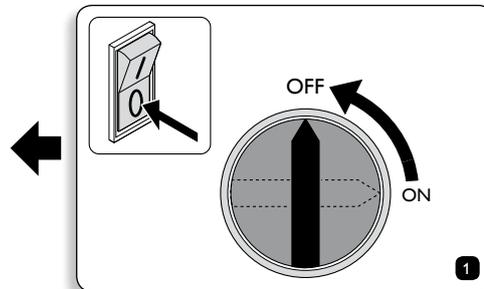
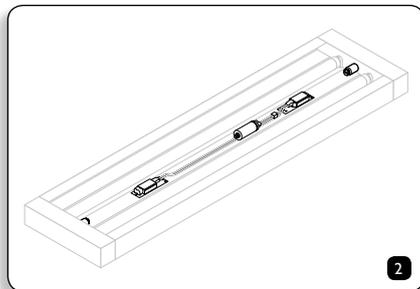
### Product and Installation type

| Type                  | Power typ.<br>W | Length<br>mm | Ø<br>mm | Weight<br>gr |
|-----------------------|-----------------|--------------|---------|--------------|
| MASTER LEDtube GA 840 | 11              | 600          | 28      | 210          |
| MASTER LEDtube GA 840 | 17              | 900          | 28      | 285          |
| MASTER LEDtube GA 840 | 22              | 1200         | 28      | 360          |
| MASTER LEDtube GA 865 | 11              | 600          | 28      | 210          |
| MASTER LEDtube GA 865 | 17              | 900          | 28      | 285          |
| MASTER LEDtube GA 865 | 22              | 1200         | 28      | 360          |

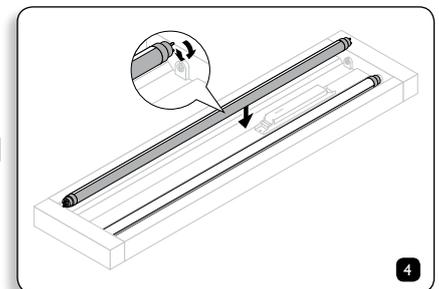
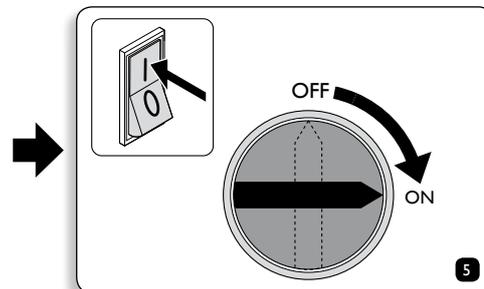
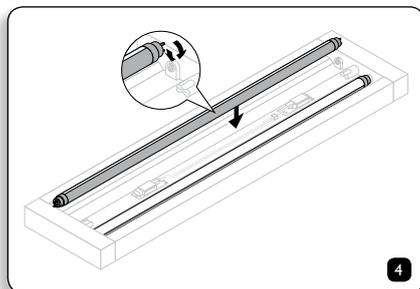
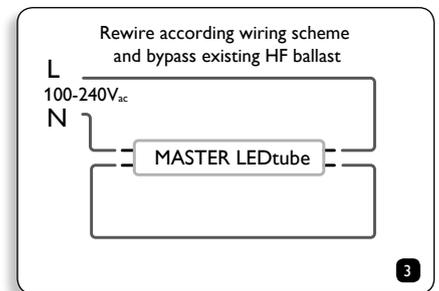
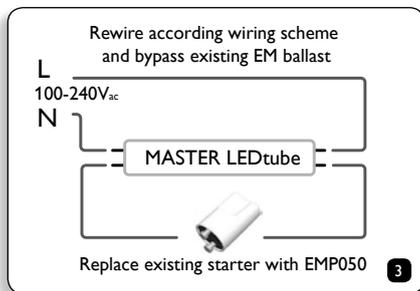
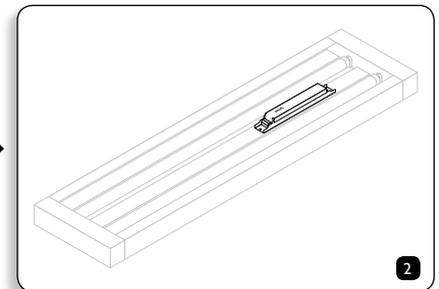
**PHILIPS**  
sense and simplicity

# Check whether it concerns an EM (Electro Magnetic) ballast based or HF (High Frequency electronic) ballast based system

## EM ballast based system



## New Installation/ HF ballast based system



## Packing list

- Philips MASTER LEDtube : 1 pcs
- EMP050 (to replace starter) : 1 pcs
- Quick Installation Guide : 1 pcs



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