

## Operation of LED Drivers between two phases

There are some areas in Europe and globally where 230 V is available only between two phases. The following document describes the usage of Tridonic LED Drivers between two phases.

- \_ As regards starting and operation, it is possible to supply Tridonic LED Drivers from such mains (see also note below about the use of phase-cut drivers).
- \_ With approximately 130 V, the voltage potential to ground is not critical. An influence to the starting characteristic of the LED Driver is not to be expected. Depending on the luminaire, some influence on the electromagnetic compatibility (EMC) is possible.

### CAUTION!

The above information only applies to those Tridonic drivers that are not designed to be dimmed via a phase-cut signal. Phase-cut drivers have to be supplied by a standard mains with a phase and a neutral conductor.

Tridonic drivers can be used between two phases without problems as long as input values from the data sheet are observed. During installation it has to be considered that circuit breakers interrupt all phases and not only one.

### **Summary**

Tridonic LED Drivers, except those dimmed via a phase-cut signal, can be operated between two phases. It is necessary though to take measures that guarantee a safe and reliable operation.