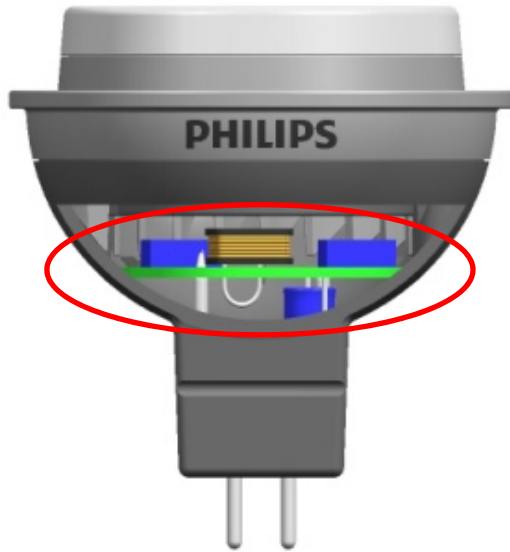
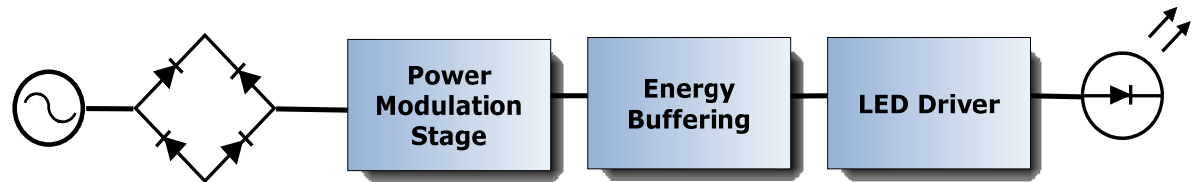


# Our patented transformer compatibility

Intelligent driver\*



**Intelligent driver** that mimics the behavior of Halogen lamps to meet the compatibility requirements of all transformers



\* Patent pending

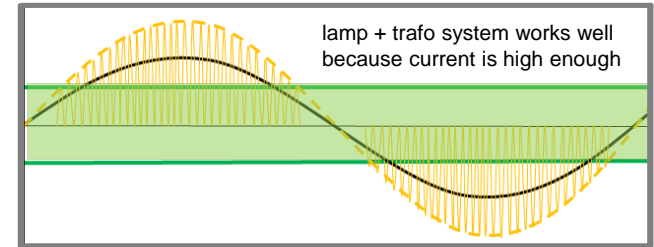
## Our patented transformer compatibility

Intelligent driver - **how does it work?**

### TRADITIONAL 20W HALOGEN:

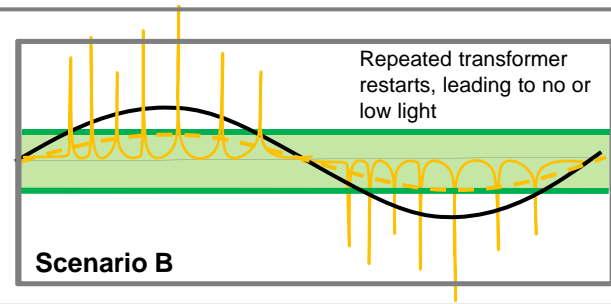
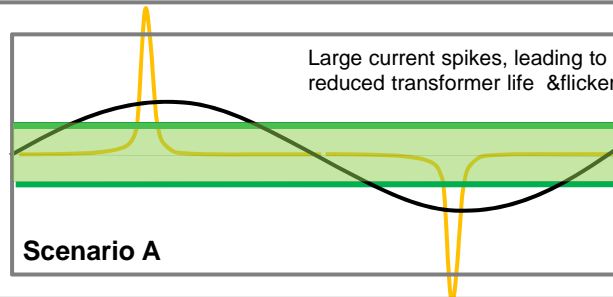
A current above threshold levels (outside area shaded in green) is required for the lamp + transformer system to work well together.

→ flicker free light output



### LED lamp **WITHOUT INTELLIGENT DRIVER**

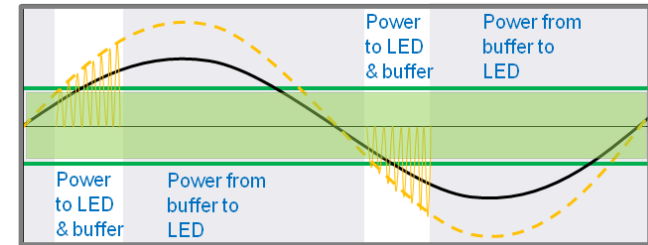
→ flicker + reduced transformer life



### MASTER LEDspot 4W: **WITH INTELLIGENT DRIVER**

Buffers energy and draws from this buffer when current is below threshold levels, thus preventing flicker / restarts. This is a continuous repetitive action.

→ flicker free light output



# Transformers – good to know :

The MR16 retrofit lamp works *flawlessly* on any Halogen 12V transformer



How many spots can be connected to a standard halogen transformer?

Divide the rated power of the transformer by the replacement wattage.

$$\begin{array}{l} 150W \\ \text{Transformer} \end{array} : \begin{array}{l} 35W \\ \text{Replacement lamp} \end{array} = \text{max } 4 \begin{array}{l} \text{Number of} \\ \text{LEDlamps} \\ \text{per transformer} \end{array}$$