Theorie of Operation:
The driving voltage for the el-lamps is generated with a so called hartley-oscillator. It is formed by the output inductance of the transformer and the capacity of the el-lamp, this determines the oscillating frequency of this device.
When running small size el-lamps the increase of the output voltage is prevented by the limitation at about 115V automatically. This makes operation of el-lamps from size of DIN A5 up to DIN A3 possible with nearly constant voltage amplitude.
In case of idle operation the output voltage is shut down to minimum.

Technical Data:
typically at operation with a el-lamp DIN A3:
Input Voltage: 12V (10 ... 15V)
Current Consumption: 750...850mA
Output Voltage: 100...115V AC
Output Frequency: 480...520Hz
Dimensions: L x W x H: 74 x 48 x 47 mm
Weight: 330g

Features:
- Operation of el-lamps from size of DIN A5 up to DIN A3
- sinusodial shape of output voltage
- galvanically isolation of input and output
- Limitation of output voltage at about 115V
- idle operating safe, current consumption about 50mA
- short circuit protected
- Connectors: Screw-Clamps for litz-wire

Version Folinv 12/3-2K
- integrated flashing function, alternating on two channels
**Dimensions:**

- **Input:** 12V DC
- **Output1:** 110V AC
- **Output2:** 110V AC (only for -2K)
- **D = 4mm**

Dimensions:

- Width: 74mm
- Height: 47mm
- Depth: 48mm
- Thickness: 38mm
- Width: 65mm