



Programming entire packaging units in one step via NFC interface

The new TRIDONIC driver generation with integrated NFC interface considerably reduces the strain of work in luminaire production. LED drivers can now be programmed in one step, wirelessly and without mains connection.

Another benefit of NFC programming helps saving time and makes programming even more efficient:

Instead of individual drivers only, entire packaging units with up to 20 drivers can be used for programming ("multi device programming"). These units can be programmed together, in a single step.

Selecting suitable NFC antennas

TRIDONIC supports NFC antennas from the manufacturer FEIG. The programming of single drivers ("single device programming") is possible with every antenna. When programming multiple drivers at the same time ("multi device programming"), care must be taken to select the correct NFC antenna.

Information about which NFC antennas can be used for single or multi device programming can be found in the document "NFC readers / writers supported by companionSUITE":

https://www.tridonic.com/com/en/download/technical/NFC_readers_companionSUITE.pdf

Reliability and failure safety

In order to program multiple drivers at the same time, NFC antennas with higher antenna power are used. For the drivers to be programmed, this higher antenna power does not pose a risk.

In terms of circuit design and choice of NFC components, Tridonic LED drivers are designed so that the higher antenna power used in multi-device programming does not increase the strain on the device. This could be ensured by complex simulations and comprehensive testing of the real application.

Reliable programming of both single devices and entire packaging units with up to 20 pieces is guaranteed. This was also confirmed by the NFC antenna manufacturer.