

Light is OSRAM

NFC technology

Saving time and money



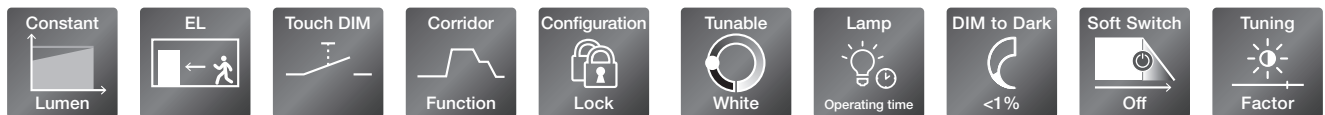
Combined with the Tuner4TRONIC® software, wireless near-field communication (NFC) used in OSRAM LED drivers reduces time and costs in the manufacturing, installation and maintenance of luminaires.

A common practice during the luminaire manufacturing process was to set the output current of the LED drivers with resistors. This practice is outdated as resistors require dedicated manual labor and are more expensive, less accurate and less flexible than software programming.

OSRAM's programmable LED drivers support a variety of features that go beyond the simple adjustment of the output current and help you get the most out of the LED drivers. Depending on the application, the following features are available:

- Constant Lumen Output
- Emergency Light
- Touch DIM®
- Corridor Function
- Tunable White
- Configuration Lock etc.

Therefore, resistors do not fulfill the growing demand for customization that comes with modern LED luminaires.



OSRAM offers an industry-proven solution consisting of an intuitive software suite and standardized plug-and-play hardware interfaces to optimize and speed up the manufacturing, installation and maintenance of indoor and outdoor LED luminaires.

Hardware interfaces for manufacturing

The MD-SIG standardized NFC readers allow a quick, wireless and mains-free process. NFC, which is short for Near-Field Communication, makes programming as easy as it gets. Take the LED driver, place it on top of the NFC interface and it's done! No mains voltage is required. In most cases, it is possible to read out the driver's configuration even after the device's failure.

Hardware interfaces for non-stationary use

Android smartphones with NFC antenna can be used to program NFC LED drivers. In case the NFC antenna of your smartphone is too small or your smartphone does not have an NFC antenna at all, you can also use the optional NFC scanner. This device can be easily connected to the smartphone via Bluetooth and provides a reliable and stable NFC connection. It also offers a more comfortable way of programming LED drivers assembled in a luminaire.



NFC scanner on LED driver



CPR30

PRH101

MR102

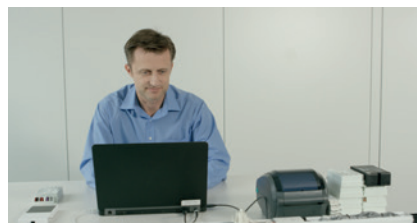
Software suite

Tuner4TRONIC® (T4T) from OSRAM is a software suite that allows luminaire manufacturers to program OSRAM LED drivers via DALI and/or NFC in a simple, fast, reliable and cost-effective way, speeding up the production process. This software suite consists of three main modules for Windows and an app for Android:



Tuner4TRONIC® Development is the perfect choice to configure LED drivers by setting individual parameters such as output current, dimming levels, constant lumen output and operating modes.

Thanks to its multi-level password system, Configuration Lock protects LED drivers against unauthorized changes while service technicians can still be granted access rights for selected features. Once the configuration has been completed, the settings are exported as an encrypted read-only production file and transmitted to the production line.

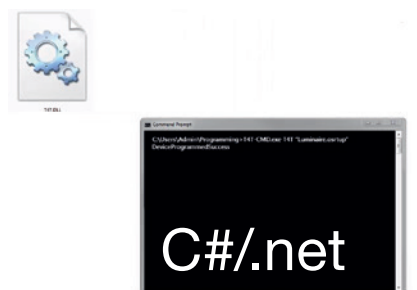


Tuner4TRONIC® Production provides an intuitive and multilingual user interface for the assembly line. Operators can conveniently load encrypted production files to start automatic programming for the fast mass production of LED drivers. Changes to the LED driver configuration are not possible during this stage. At the end of the workflow, the operator can also print out a label with the specific luminaire information and place it on the finished luminaire.



Tuner4TRONIC® Machine seamlessly complements our software suite. Its DLL and command line tool enable integration into the existing automated programming and testing stations in the factory line.

OSRAM also offers custom integration into ERP systems with costs as an add-on service to optimize the production process. Contact your local OSRAM sales representative for more information. Further costs can be saved through integration: The production cycle is faster and operating errors are avoided.



The **Tuner4TRONIC® Field** app makes the installation and maintenance of street light luminaires as easy as it gets by allowing the wireless programming of OSRAM outdoor OT 1DIM and OT 4DIM NFC LED drivers without the need for mains voltage. Support for indoor NFC LED drivers is planned.



Download the Tuner4TRONIC® PC software at www.myosram.com.

Download the Tuner4TRONIC® Field app at play.google.com/store.

Visit www.youtube.com to watch our videos on the Tuner4TRONIC® PC software and Tuner4TRONIC® Field app.

OSRAM outdoor LED drivers with NFC antenna

Product name	EAN
OT 20/170-240/1A0 1DIMLT2 G1 CE	4052899517400
OT 40/170-240/1A0 1DIMLT2 G1 CE	4052899517424
OT 75/170-240/1A0 1DIMLT2 G1 CE	4052899541092
OT 110/170-240/800 1DIMLT2 G1 CE	4052899541115
OT 20/170-240/1A0 4DIMLT2 G2 CE	4052899981928
OT 40/170-240/1A0 4DIMLT2 G2 CE	4052899981935
OT 75/170-240/1A0 4DIMLT2 G2 CE	4052899981942
OT 110/170-240/1A0 4DIMLT2 G2 CE	4052899981959

OSRAM indoor LED drivers with NFC antenna**Linear LED drivers**

Product name	EAN
OTi DX 35/220-240/400 D NFC L	4052899590403
OTi DX 75/220-240/600 D NFC L	4052899590380
OTi DALI 100/220-240/700 D NFC IND L	4052899559516
OTi DALI 150/220-240/1A0 D NFC IND L	4052899559530
OTi DALI 35/220-240/400 D LT2 UF L	4052899957022
OTi DALI 75/220-240/700 D LT2 UF L	4052899957046
OTi DALI 35/220-240/400 D NFC TW L	4052899990302
OTi DALI 75/220-240/700 D NFC TW L	4052899990326
OT FIT 35/220-240/350 D NFC L	4052899990166
OT FIT 75/220-240/550 D NFC L	4052899990180
OT FIT 100/220-240/700 D NFC IND	4052899990128
OT FIT 150/220-240/1A0 D NFC IND	4052899990142

Compact LED drivers

Product name	EAN
OTi DALI 10/220-240/700 NFC	4052899562639
OTi DALI 25/220-240/700 LT2 NFC	4052899548213
OTi DALI 15/220-240/1A0 LT2 NFC	4052899548190
OTi DALI 35/220-240/1A0 LT2 NFC	4052899548237
OTi DALI 50/220-240/1A4 LT2F NFC	4052899548251

NFC readers

Product name	EAN
CPR30-USB	4055462165169
PRH101-USB	4055462165152
NFC SCANNER	4055462203588

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