# IPROGRAMMER

## FOR PROGRAMMING LED DRIVERS



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LED drivers using the 3C function.

Using DALI commands, the iProgrammer enables various functions to
be configured on all VS LED drivers that feature the "3C" symbol.
As an example, not only can the current be set to a precise level,
but programming functions for the street lighting zone can also be
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Please refer to the manual at
www.vossloh-schwabe.com/ en/home/products/ led-lighting-technology/ led-accessory.html
for detailed configuration procedures.

### Technical notes

Configuration interface: DALI
Ambient temperature $t_a$: 5 to 50 °C
Push-in terminals: 0.2–1.5 mm²
Degree of protection: IP20

### Connections

• Mains connection: 220–240 V AC/50–60 Hz
• Max. power consumption: 5 W
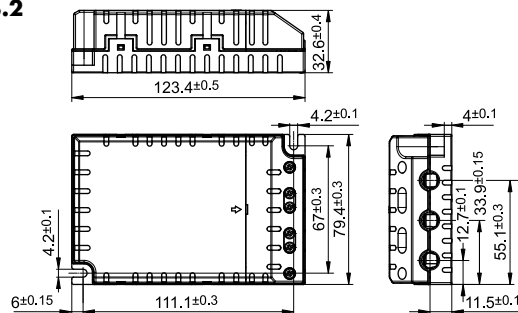• USB 2.0
•

### Software download
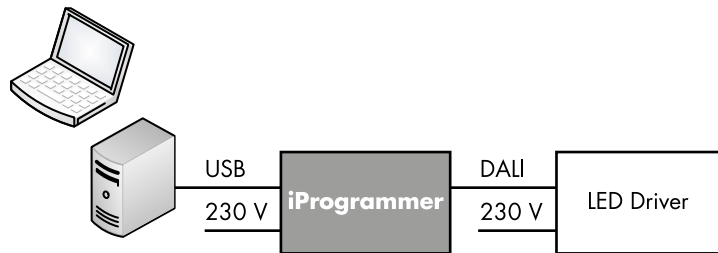
See product page under www.vossloh-schwabe.com

### Functions

Configuring "3C" LED drivers

**K3.2**

32.6±0.4
123.4±0.5
4.2±0.1
4±0.1
4.2±0.1
67±0.3
79.4±0.3
33.9±0.15
12.7±0.1
55.1±0.3
6±0.15
111.1±0.3
11.5±0.1

**3C**
convenient
clever
Communication

**Anschluss**

USB
230 V
**iProgrammer**
DALI
230 V
LED Driver

| Type | Ref. No. | Connection to PC/Laptop | Functions | Dimensions mm (LxWxH) | Weight g |
|------|----------|-------------------------|-----------|------------------------|----------|
| iProgrammer | **186428** | USB 2.0 | Configuring "3C" LED drivers | 123.4x79.4x32.6 | 135 |

**General safety information**

- VS products may only be installed and commissioned by authorised and fully qualified staff.
- These instructions must be carefully read before installing and commissioning the system, as this is the only way to ensure safe and correct handling.
- Before any work is carried out on the equipment, it must be disconnected from the mains.
- All valid safety and accident-prevention regulations must be observed.
- The products should never be inexpertly opened as this poses lethal danger due to electrical shock. Repairs may only be undertaken by the manufacturer.
- On no account may the DALI control line be used to carry mains voltage or any other external voltage as this can destroy individual system components. The DALI supply can be switched off via software, if necessary.
- Please refer to the manual at **www.vossloh-schwabe.com** for exact instructions on how to configure the system using the iProgrammer.
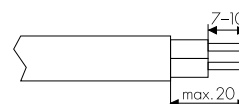
# iProgrammer

**Installation**
- Independent installation
- Clearance: min. 0.1 m to walls, ceilings, insulation and to other electronic devices; min. 0.25 m to sources of heat (e.g. lamps)
- Surface: solid, must not permit the extender to sink into insulation material
- Fastening: using 4-mm screws

**Installation instructions**
- Cross-section of primary/secondary conductor: 0.2–1.5 mm²
- Cable preparation (see right)
- Length of the secondary bus cable: max. 300 m
- A standard DALI bus only features basic insulation. All DALI cables must be rated for mains voltage. The power supply and the DALI line can be laid in a single cable (max. 100 m).
- Mains power cables and DALI cables should not be laid directly parallel to lamp cables (min. clearance = 0.25 m).
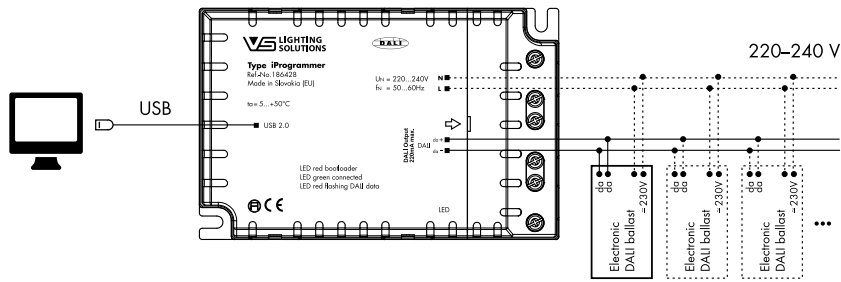


7–10

max. 20

**Additional information**
- The iProgrammer can only be addressed in combination with the respective VS software and a PC/laptop.
- The PC/laptop must be connected during configuration.
- The outputs of several iProgrammers must not be connected with each other.

The values contained in this data sheet can change due to technical innovations. Any such changes will be made without separate notification.

**VS LIGHTING SOLUTIONS**

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# iProgrammer for LED Drivers

## Circuit diagram of the iProgrammer



## Technical details iProgrammer

| iProgrammer | |
|---|---|
| Ref. No. | 186428 |
| Supply voltage | 220–240 V AC/50–60 Hz |
| Power consumption | 5 W |
| Control input | USB 2.0 |
| DALI output | DALI acc. to IEC 62386-102/-201 |
| Ambient temperature $t_a$ | 5 to 50 °C |
| Degree of protection | IP20 |
| Protection class | II |
| Weight | 135 g |
| CE requirements | EMC, RFI, Safety in acc. with EN 61347-2-11 |

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