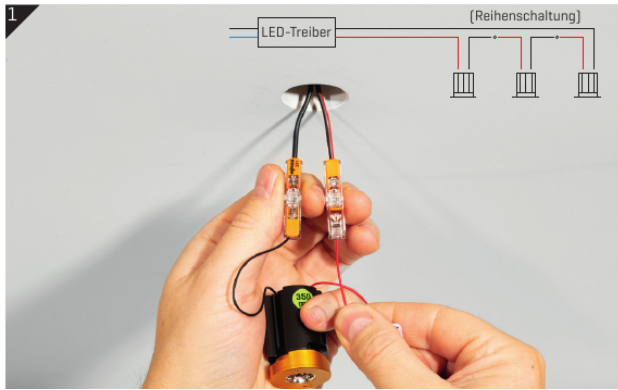
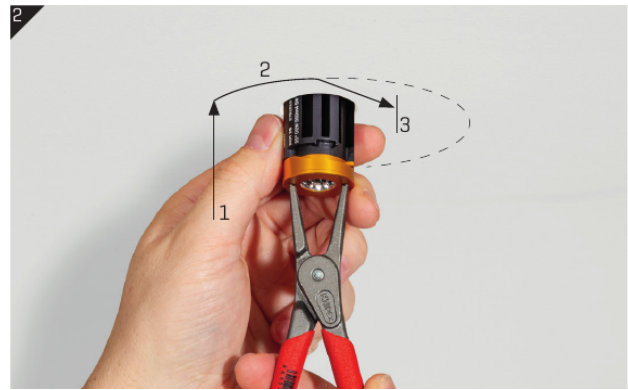
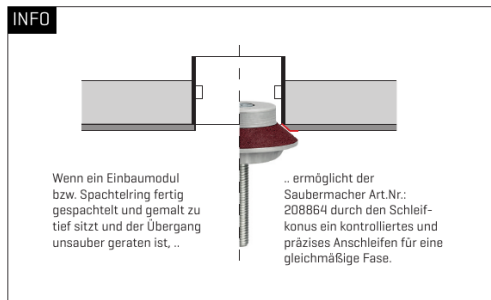




1 Wire in series to the constant-current LED driver (power isolated).



2 Insert with circlip pliers → turn 90° right → seats flush.



INFO — plaster edge too deep / uneven: If a finished, plastered and painted installation module or plaster ring sits too deep and the junction is uneven, the Saubermacher tool (art. no. 208864) allows a controlled, precise grind with its cone for an even chamfer.



Second locking position: If the installation is too deep, DOT 28 can also be engaged in a second detent. In this position the luminaire sits **1.3 mm** further down.

Observe the general information on electrical installation and maximum current! See also the wiring notes and maximum-current table in this document.

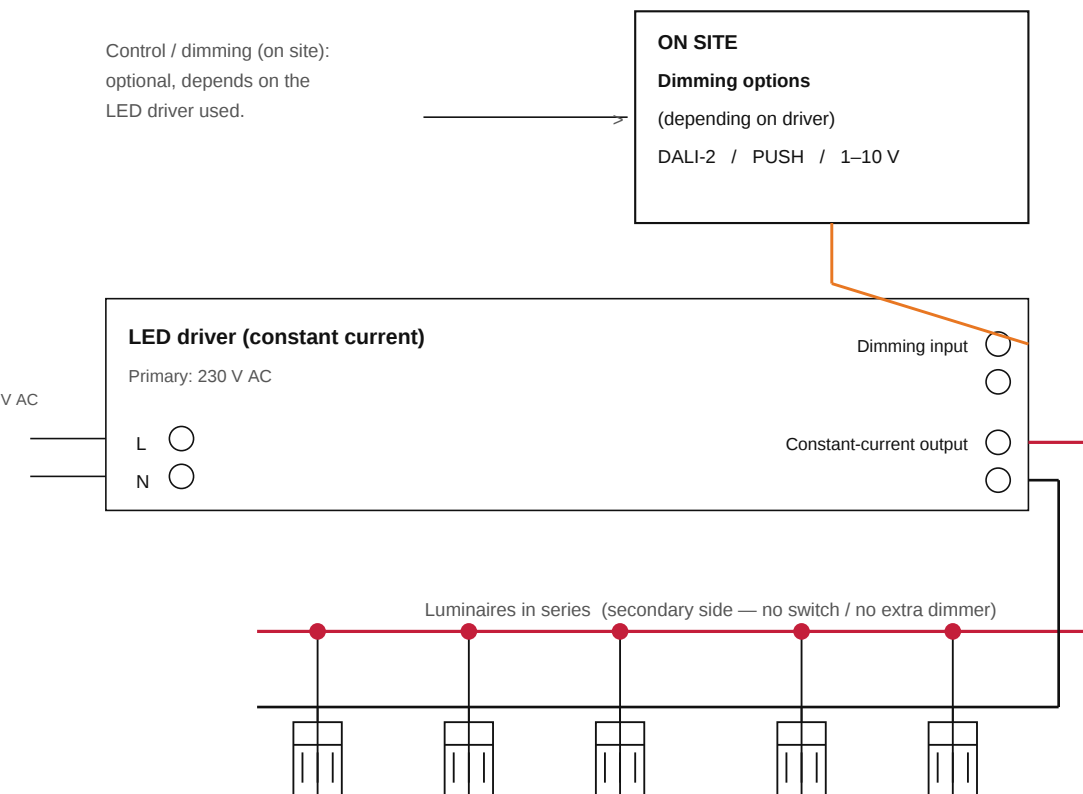
1. Connect the luminaire correctly **in series** to the output of the matching LED driver (constant current, **max. 350 mA**). The LED driver **must** be isolated from the mains. Immediately before connecting any luminaires, the driver must have been disconnected from the mains for at least **10–15 seconds**.
2. For best results, use **Knipex circlip pliers 10–25 mm** (item no. 168101). Before inserting the luminaire into the installation module, make sure the opening is free of dirt. Insert the plier tips into the mounting holes and squeeze the pliers with a firm grip. Push the luminaire into the installation module as far as it will go and carefully turn it **90° to the right**. During this rotation the lifting ramp presses the luminaire down until it sits **flush** with the ceiling. Keep a firm grip on the pliers throughout so they cannot slip and damage the bezel.
3. Hold the luminaire again with the circlip pliers using a firm grip and push it into the ceiling as far as it will go. Turn **90° to the left** and carefully pull the luminaire down and out of the ceiling.

CAUTION

Provide at least **1 dm³ of free air volume** for DOT 28. Observe the minimum installation depth. Do **not** cover with insulation, a vapour barrier, fleece or foil.

DOT 28 **CONE** is always supplied with an integrated lifting ramp so that the luminaire is drawn up to the ceiling.

Schematic wiring diagram



The number of luminaires on the secondary side of one driver depends on the set output current (mA). Follow the data on the devices and in the planning documents. Do **not** mix different driver types in one circuit.

Opened drivers that are no longer in original packaging can generally not be returned.

Only take the driver out of service at a dimming value of **100%**. The last dimming value remains stored even without voltage. On restart this can cause confusion, especially if the stored value is 0%.

Every luminaire is live-tested before dispatch. Luminaires **must** be wired in series.

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Luminaires with 15° lens

- DOT 28 must **not** be installed in a wooden capsule.
- The 15° lens is supplied with a B35 LED.
- May only be driven at a maximum of **350 mA**.

DIM TO WARM luminaires

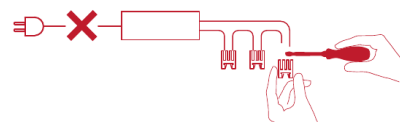
- DOT 28 must **not** be installed in a wooden capsule.
- Because of the dimming curve, DIM TO WARM may only be driven at **350 mA**.

Electrical installation

All electrical installation and maintenance work must be carried out by an authorised electrician in accordance with local safety regulations. Observe the circuit diagram. Current notes and updates: www.georgbechterlicht.at.

NOTE — Handmade anodised finishes may show batch-related colour variation.

**ACHTUNG: KEINE GEWÄHRLEISTUNG
BEI HOT PLUG CAUTION: NO
WARRANTY IN CASE OF HOT PLUG**



NO WARRANTY IN CASE OF HOT-PLUG

Do **not** connect, lock or replace luminaires under voltage. For mounting and removal the LED driver must be disconnected from the mains for at least **10–15 seconds**. Hot-plug causes immediate LED damage, which is not covered by warranty.

Minimum conductor cross-section vs. cable length: 0.75 mm² – 100 m | 1.5 mm² – 200 m. Lengths refer to maximum permissible voltage drop and apply only if current electrical-installation standards and EMC limits are observed. Constant current. Install SYSTEM DOT 28 drivers in accessible locations.

MAXIMUM CURRENT

depending on the installation situation

Luminous flux values are for the standard version	DOT 28 SFERE, ORB, MOL, WALL, CONO, DOT 35, VERVE	DOT 28 POWER WALL 28 POWER DOT 35 POWER	DOT 28 POWER only with added cooling surface in concrete
	350 mA 400 lm*	700 mA 740 lm*	1000 mA 990 lm*
SOLID CONSTRUCTION Exposed-concrete capsule Plaster capsule	Permitted	Permitted	Permitted with cooling-surface extension in concrete
LIGHTWEIGHT CONSTRUCTION Plasterboard modules Plaster insert / plaster ring Timber mounting ring	Permitted min. 1 dm³ air volume	Permitted min. 5 dm³ air volume	Not possible.

Caution — hot-plug hazard! For mounting and removal the LED driver must be disconnected from the mains for at least **10–15 seconds**. Always follow the latest installation notes at www.georgbechterlicht.at.

Something go wrong? A repair set is available for DOT 28 (POWER), ORB 28, MOL 28, DOT 35 (POWER) and WALL 28 (POWER).

* Luminous flux changes by: –10% for WET –18% with anti-glare ring –28% for WET + anti-glare ring

CAUTION

Provide sufficient free air around the heat sink. Observe the minimum installation depth of the installation module and the luminaire. The heat sink must **not** be covered with insulation, a vapour barrier, fleece or foil.

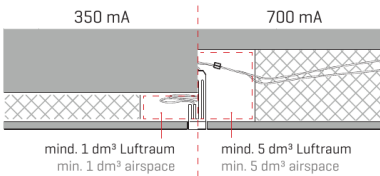
MAXIMUM SUPPLY CURRENT — MANDATORY

350 mA — DOT 28, SFERE 28, ORB 28, MOL 28, WALL 28, CONO 28, DOT 35, VERVE

Up to 700 mA — DOT 28 POWER, WALL 28 POWER (depending on installation) and DOT 35 POWER

Up to 1000 mA — only DOT 28 POWER with cooling-surface extension in concrete

Maximum current is only permitted if the installation conditions in the table above are met (see graphic overview). Lightweight construction at 350 mA requires min. 1 dm³ air volume; at 700 mA min. 5 dm³.



Minimum conductor cross-section vs. cable length: **0.75 mm² – 100 m | 1.5 mm² – 200 m**. Lengths refer to the maximum permissible voltage drop and may only be used in compliance with current electrical-installation standards and EMC limits. Constant current. We recommend installing SYSTEM DOT 28 LED drivers in accessible / serviceable locations. Test reports, EULUMDAT and further data: www.georgbechterlicht.at. All installation depths (ID) and diameters in mm.