

Installation Instructions – TrafficLED Levelling Console

Imprint:

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Version: V1.01
English

Introduction

To ensure proper installation, the following steps and instructions absolutely must be heeded. Only in this way can it be guaranteed that the product works to your fullest satisfaction.



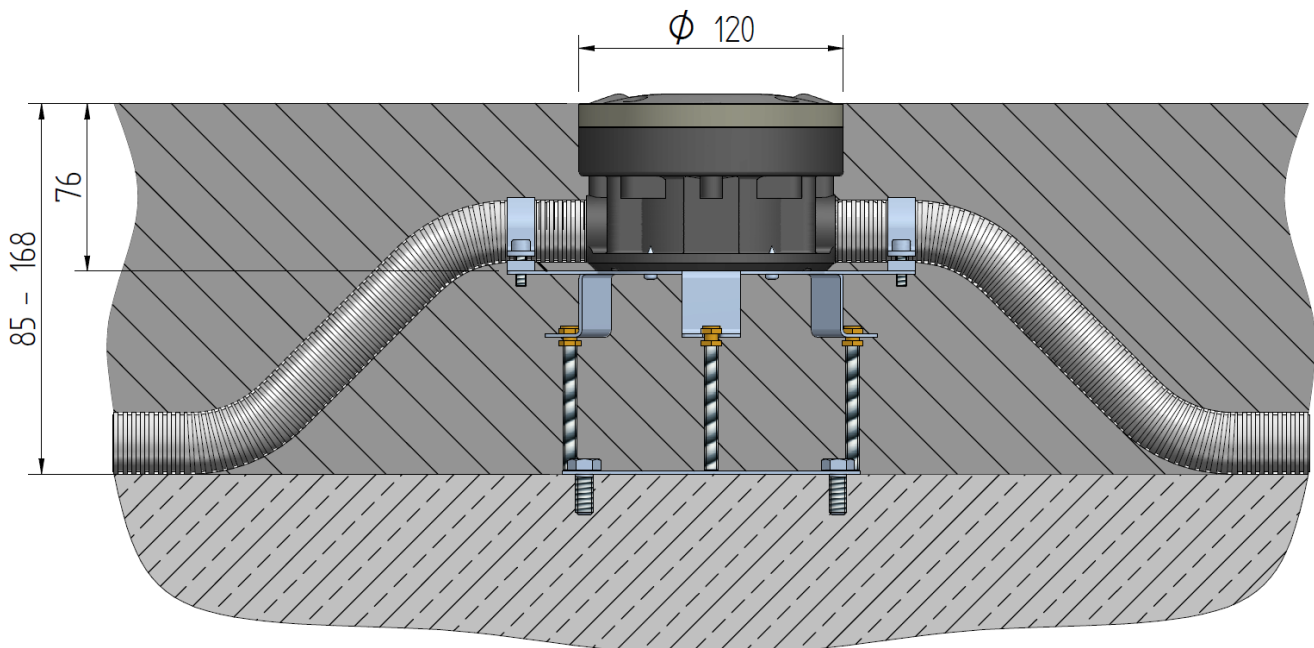
Read all instructions before you begin installation. If you have any questions, our Sales department would be happy to assist you at any time.

Installation conditions for TrafficLED

- The surface must have the necessary depth and rigidity to assimilate the traffic load to which the TrafficLED is exposed.

The installation box must be permanently and stably cemented into the roadway. If the asphalt shifts, the box may need to be repositioned under certain circumstances.

The surface around the light must be level; the built-in box must not protrude. Only the TrafficLED top has an elevation of 4 mm above the surface.

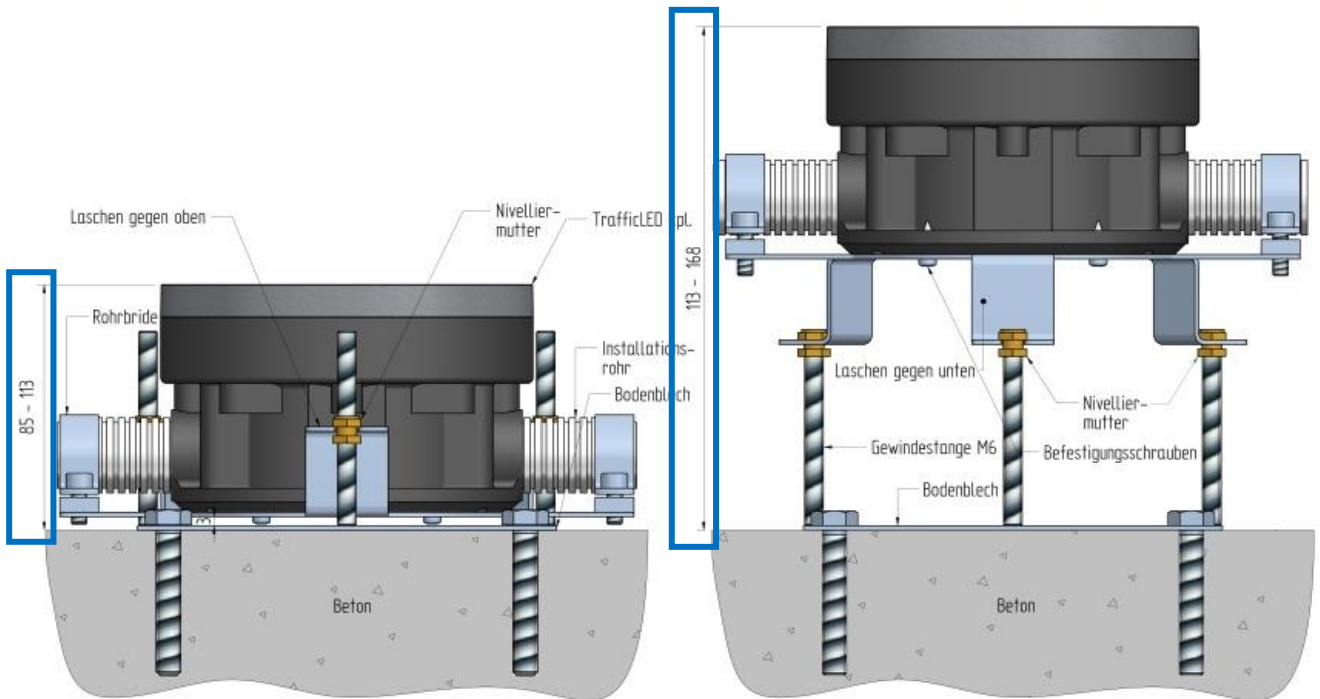


- To increase the service life, the lights should be installed between or next to lanes.
- For correct installation in the road surface, it is strongly recommended that the appropriate installation guide be used (GIFAS item No. 143015).
- Use only mortar that satisfies the load. We recommend the following product: CTW Kaltmörtel HR (cold mortar; GIFAS item No. 016425). For details on the specifications, use and safety regulations, see the manufacturer specifications. The drying times before being subjected to the initial load must be strictly heeded.

- For proper connection to the included Scotchlok terminals, the connection cable diameter must be at least 0.5 mm² and no more than 2.5 mm². When connecting the Scotchlok terminals, the strands **must not be stripped** (fit clamp technique).
- To comply with the necessary operating voltage, the cable cross-section of the cable length must be adapted.
- Installation must be performed only in dry weather or in a covered location.
- Installation must not be performed if the road surface temperature is below 5° C or above 30° C, or if the road surface is wet or exposed to rain.
- For descriptions of the correct installation, the protective measures and the persons responsible, refer to the TrafficLED manual.
- The TrafficLED is designed so that it can be installed against the direction of travel.

1. Selecting the levelling range

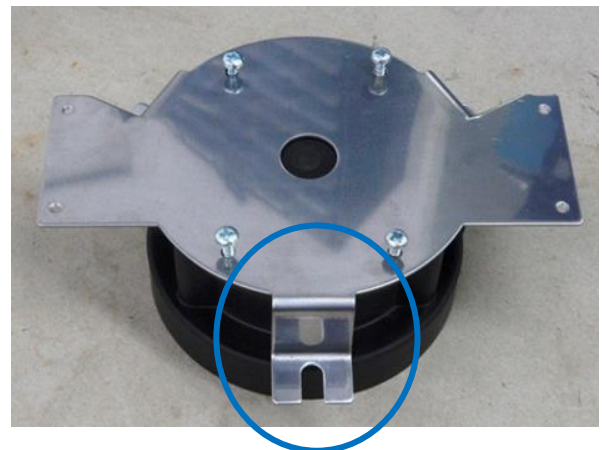
- The levelling console can be used for **2 different height adjustment ranges**.



Maximum height compensation levelling = 82 mm

• **Adjustment range of 85-113 mm:**

Place the retaining plate, with the brackets facing **up**, on the black marking light base.



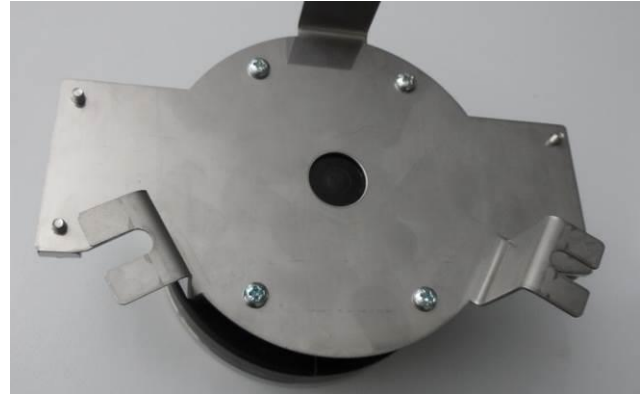
• **Adjustment range of 113-168 mm:**

Place the retaining plate, with the brackets facing **down**, on the black marking light base.

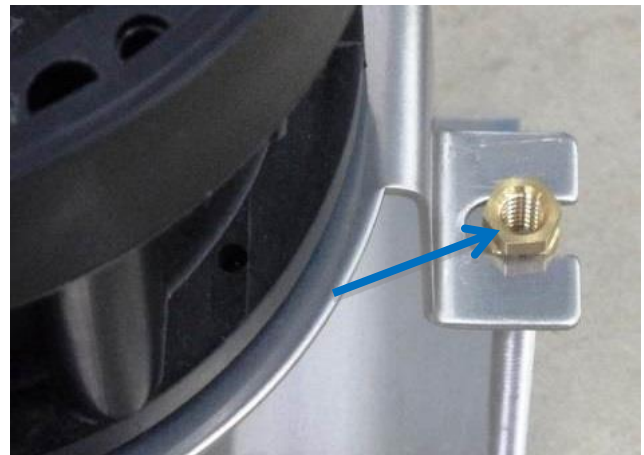


2. Installation Instructions for the Levelling Console

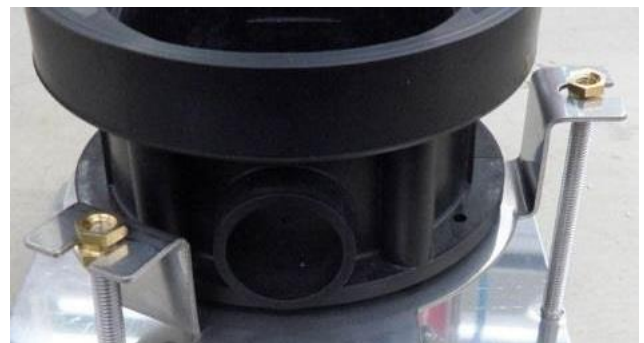
- Using four 4x12 mm chipboard screws, screw the installation box onto the retaining plate from below.



- Insert the 3 levelling nuts into the slots of the retaining plate brackets and position them over the base plate using the 3 threaded rods.

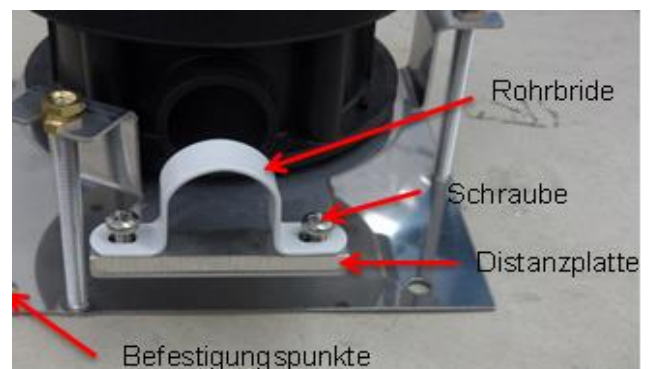


- Screw the 3 levelling nuts uniformly onto the threaded rods.



- Place the spacer plate and pipe clamps on the retaining plate and lightly screw in two M4x12 mm screws by hand.

Do this on both sides in the case of continuous wiring.



- Mark the levelling console and position it at the intended installation location.

INDICATION

We recommend that the TrafficLED base always be installed before laying any steel reinforcement.



- Mark the attachment points and drill appropriate mounting holes for the dowels.

- Fasten the levelling console
Screw the console onto the surface using 4 screws (max. screw diameter = 6.0mm).

(In the picture, additional spacers had to be attached in order to reach the level of the road.)



- Level the installation box
Adjust the 3 levelling nuts uniformly until the upper edge of the alignment ring is precisely at the level of the finished ground/road surface.



- Cementing the installation box, 1st step

INDICATION

We recommend that the empty pipe be installed after laying any steel reinforcement.



- Attach the installation pipes
Insert M25 pipes completely in the side hole on the marking lamp base and tighten the clamps.

INDICATION

We recommend that a steel wire be pulled into the empty pipe before cementing the coating. Thus, the cables can be pulled in easily without problems.



- Connect the base boxes with the installation pipes according to the plan.
Ensure that the pipes are securely attached and are not bent.



- Cementing the installation box, 2nd step
Fill in cement level to the installation box

- Close the installation box tightly
To do this, always use the blank cover V4A, which can be driven over; grease the O-ring seal before installation.



Until the TrafficLED is installed, installation pipes, the installation box and any cables that have been pulled in must remain dry.

Cars may never drive over an installation box without a cover.



→ For further instructions regarding the installation and connection of the top of the TrafficLED, see the Installation Instructions, item No. 143017.