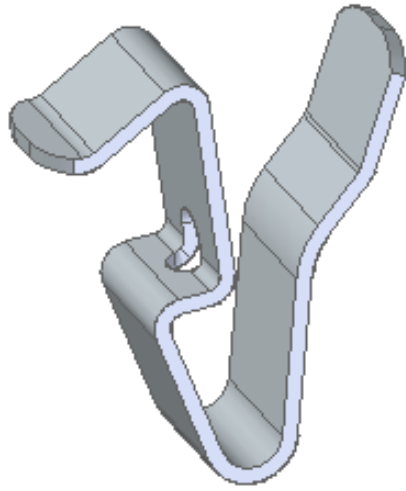


A long-exposure photograph of a city street at night. The image shows multiple lanes of traffic with vibrant, multi-colored light trails (red, blue, yellow, white) stretching across the foreground. In the background, several tall, modern skyscrapers are illuminated with blue and white lights. A curved, illuminated pedestrian bridge or overpass is visible in the middle ground, adding to the architectural complexity of the scene.

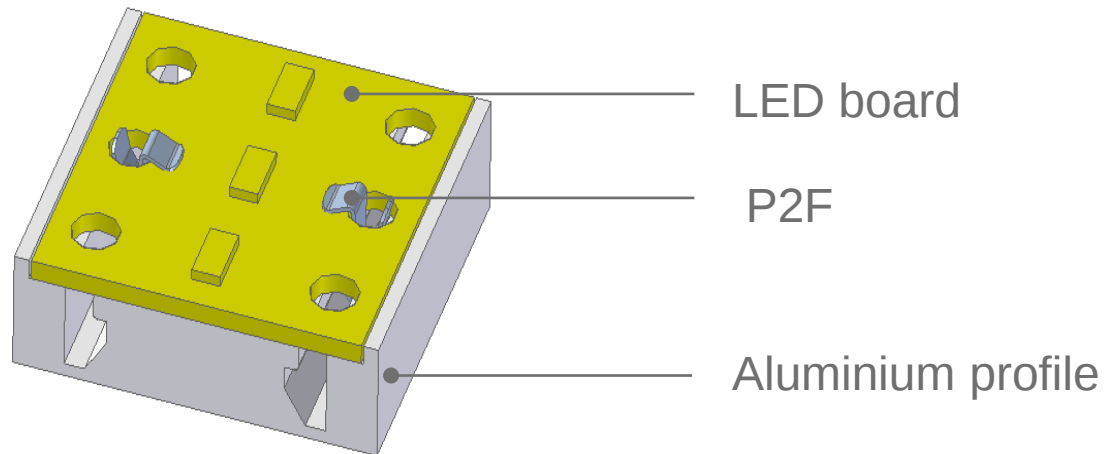
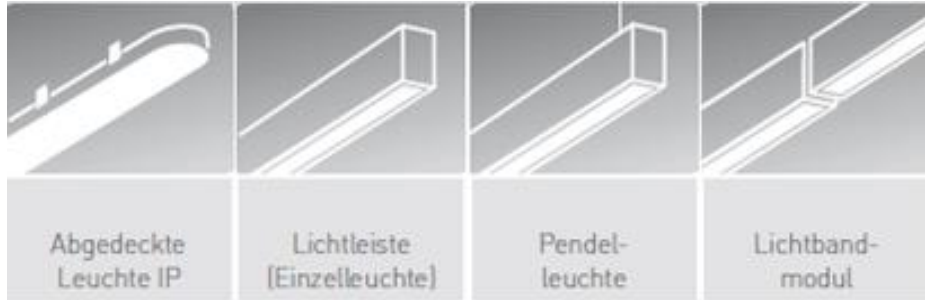
DEVELOPMENT & INNOVATION PARTNER OF THE LIGHTING AND APPLIANCE
INDUSTRY

P2F for profile groove

28.903.E101-0

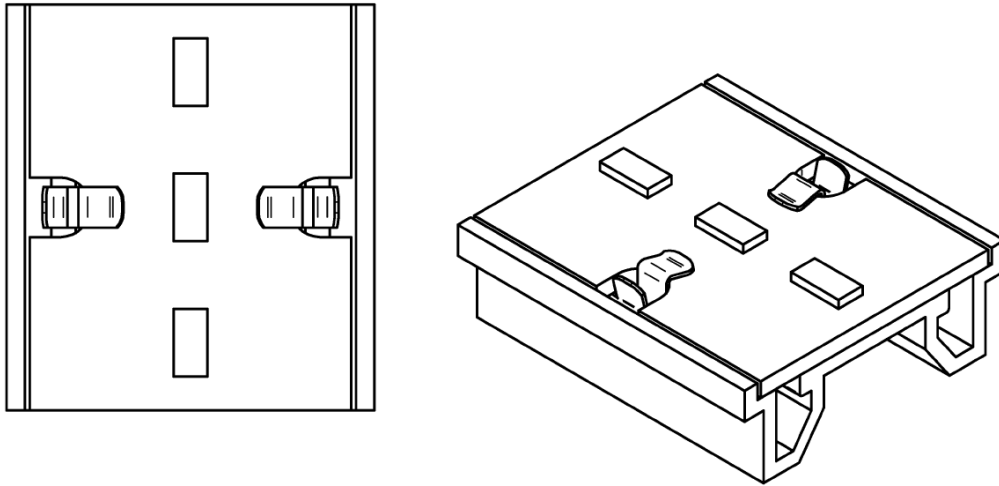


P2F for profile groove – linear applications



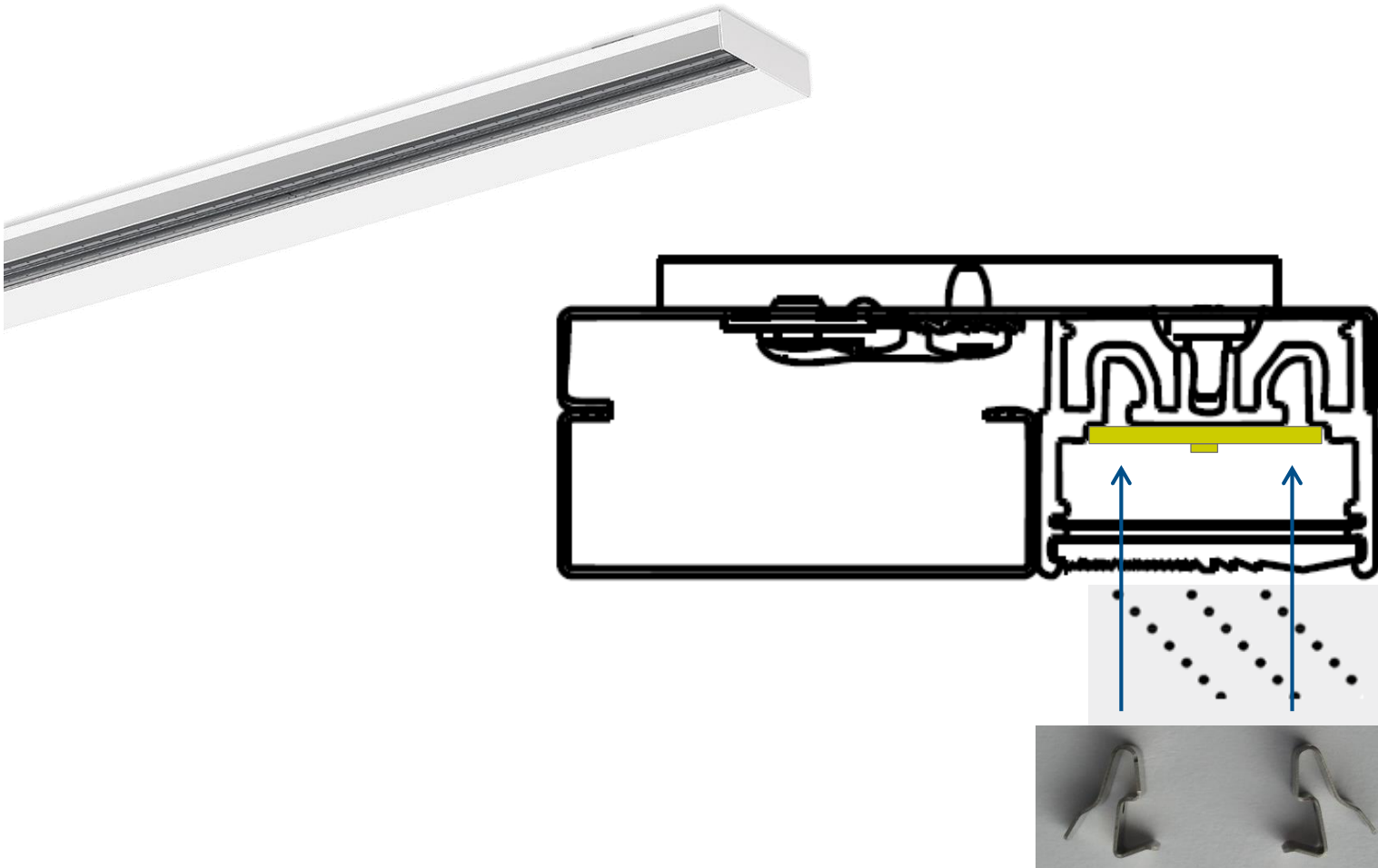
P2F for profile groove – installation situation

Alternatively, LED modules with open elongated holes can also be attached using the P2F.



P2F for profile groove - installation situation

Example

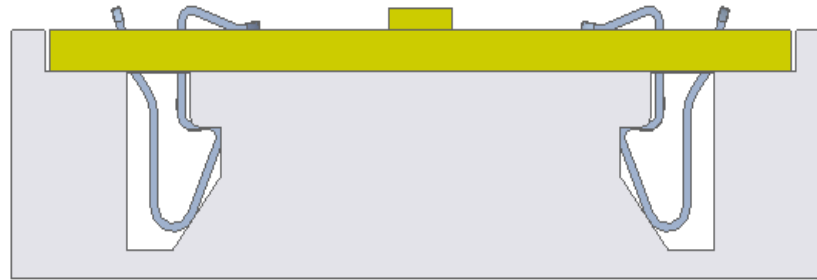


P2F for profile groove – benefits to the customer

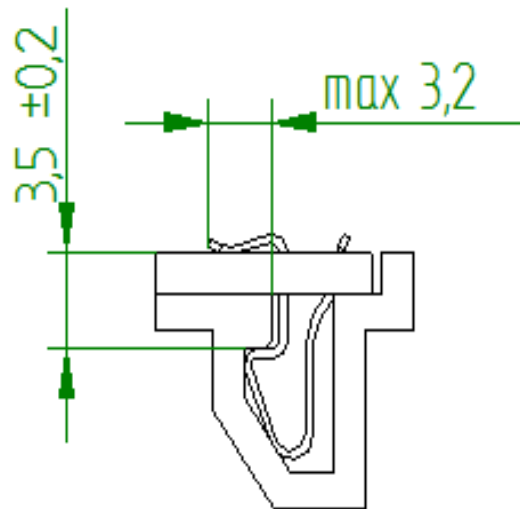
- Quick, easy installation (by hand)
- No torque screwdriver system required
- Quick, secure installation by means of (manual) setting devices
- A defined clamping range (package thickness), made up of LED module and profile shoulder
- Only 'one' component has to be stocked. No additional securing elements
- Only **one** fixing component
- Shock and vibration resistant
- Permanent pressure 10 N/P2F of the modules due to high-strength but flexible metal springs
- Floating method of fixation => compensates tolerances and temperature-related changes in length
- Minimal protrusion above the PCB while at the same time performing holding and pressure exertion function

P2F for profile groove – installation situation

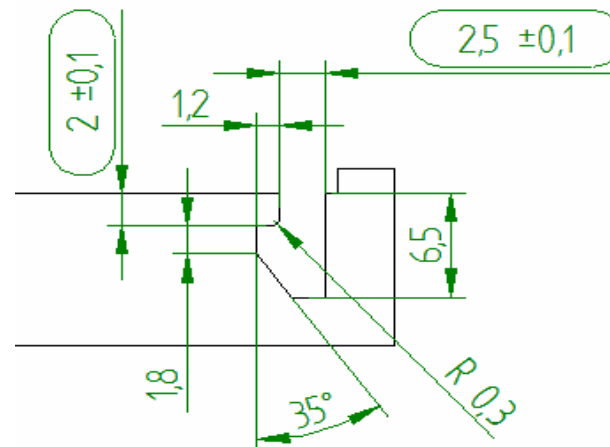
P2F designed for package thicknesses of 3.5 ± 0.2 mm. Depending on the thickness of the PCB, the dimension 2.0 ± 0.1 mm has to be adjusted in the luminaire profile.



Package thickness



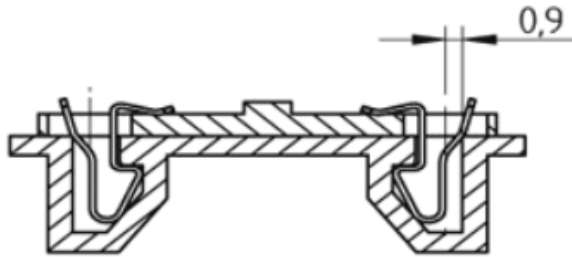
Profile geometry



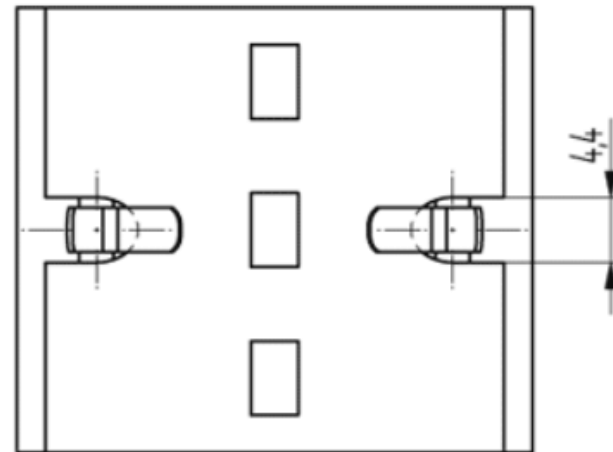
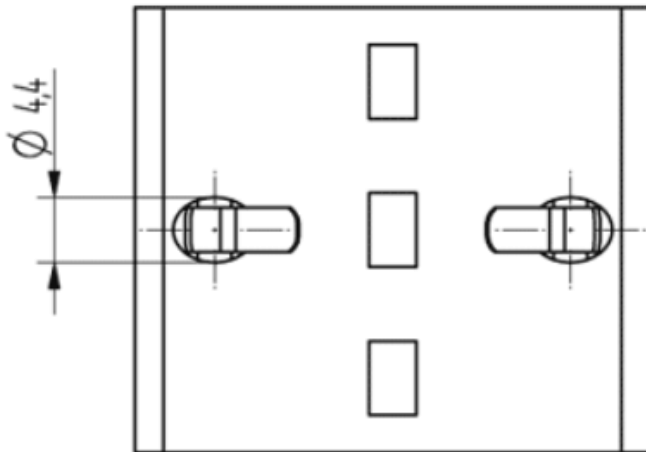
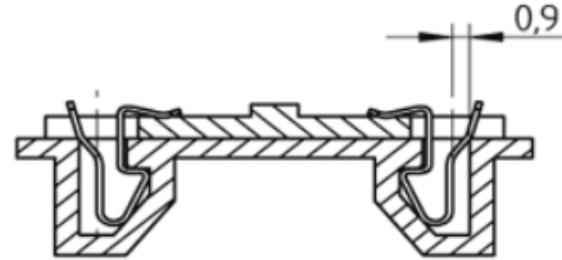
P2F for profile groove – cut-out in the PCB

Dimensions of cut-outs in the PCB

Round hole



Open elongated hole



P2F for profile groove - installation



Installation tool
28.901.U801-0



Magnetic bit
28.903.U811-0

P2F for profile groove - installation

(1)



(2)



(3)

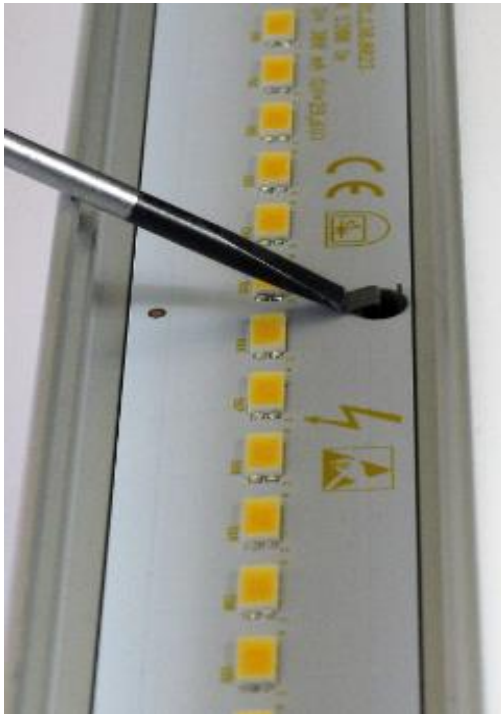


(4)

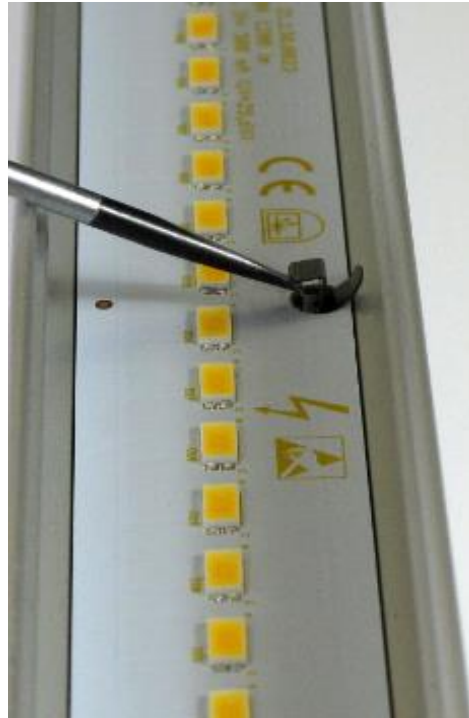


P2F for profile groove - removal

(1)



(2)



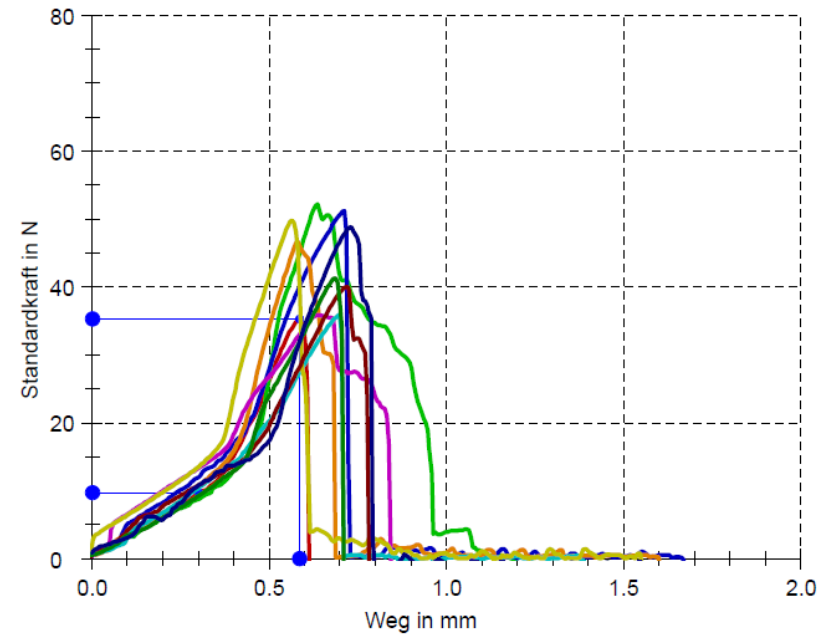
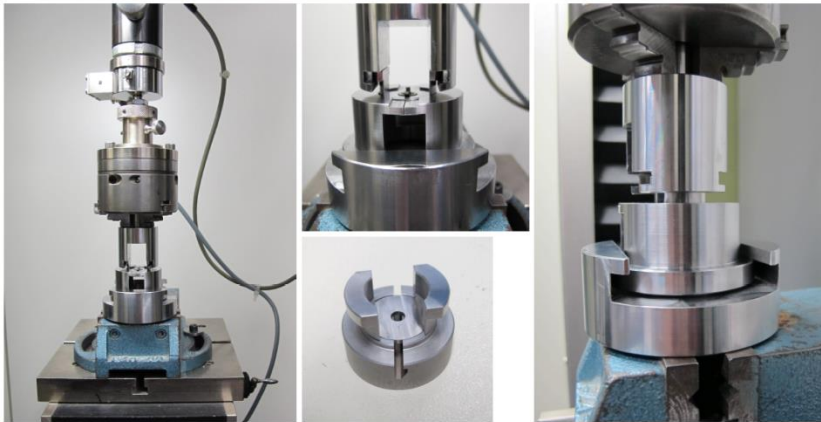
(3)



P2F for profile groove - test

- Measurement of pull-out force

Test set-up



The background of the slide is a blurred photograph of a modern office interior. In the center, three people (two men and one woman) are standing around a table, looking at a large sheet of paper. To the right, other people are visible near large windows. The overall atmosphere is professional and collaborative.

THANK YOU FOR YOUR ATTENTION!

