

Product image

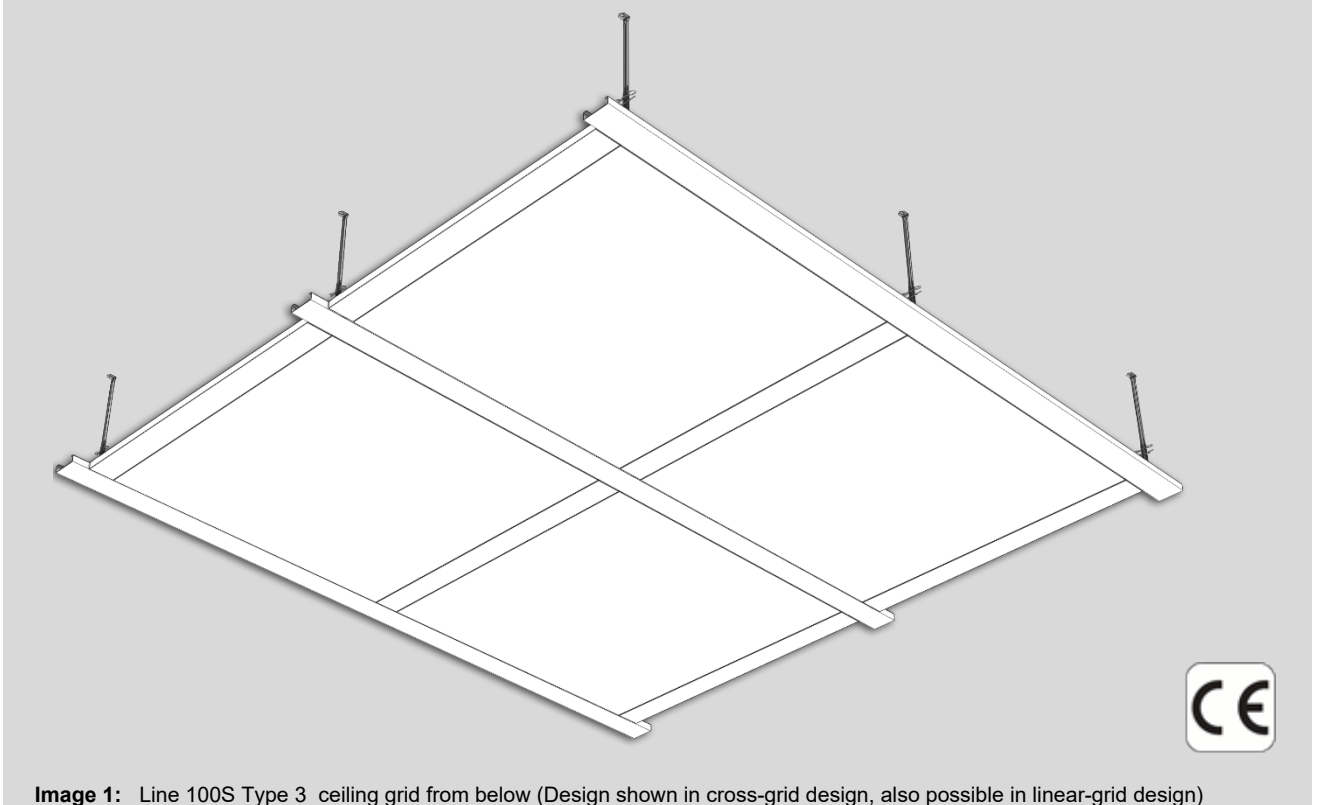


Image 1: Line 100S Type 3 ceiling grid from below (Design shown in cross-grid design, also possible in linear-grid design)

Fields of application

- Pharmaceutical production, medical engineering
- Microelectronics and semiconductor industries
- Microsystems technologies, precision engineering
- Surface treatment technologies



- Easy to clean
- Good resistance against numerous detergents and disinfectants from the VAH-List (Verbund für angewandte Hygiene)



GMP suitability

Lindner quality - standards

Lindner metal ceilings are produced to the highest international standards. Lindner ceiling systems comply with EN 13964, quality standard according to the technical regulations of TAIM (Verband Industrieller Metalldeckenhersteller TAIM e.V.).

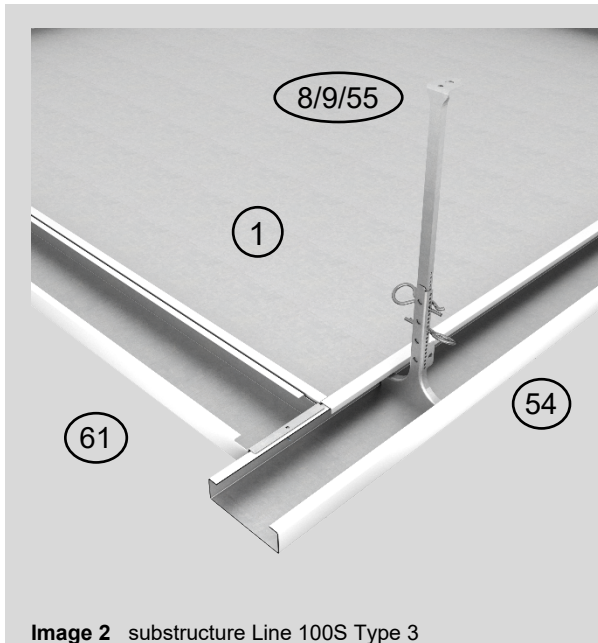
Technical Data

Standard Grid ¹⁾	1200 x 600 mm
	1200 x 1200 mm
max. Suspension distance (suspended field dimensions)	1200 x 1200 mm
min./max. Suspension height	from 92 mm
Weight	approx. 10 kg/m ² (without fixtures/installations)
Height of clip-in cassette (a)	30 mm
Fire protection classification	F0
Joint width ²⁾	approx. 3 mm
Serviceability	from below

¹⁾ Special dimensions on request, linear or cross grid ceiling type available

²⁾ Joints optionally sealed according to the cleanroom requirements

Substructure



Components:

- 1 = Metal ceiling panel
- 8/9/55 = Vernier suspension
- 54 = Grid profile
- 61 = Intermediary grid profile
- a = Height of the ceiling panel

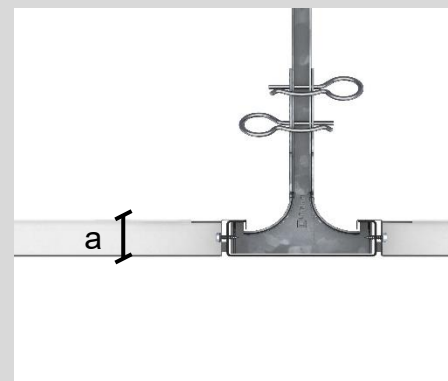


Image 2 substructure Line 100S Type 3

General description

Metal ceiling panels with coated surface, applied on a suspended grid, manufactured in accordance with European standards and TAIM standard. The ceiling system is characterised by high impermeability as well as easy cleaning and disinfection. GMP- and DIN EN ISO 14644-compliant design as linear- or cross-grid ceiling. The surface is smooth, even, allows flush mounting and contains no outgassing or particulate emitting materials. The ceiling joints can optionally be sealed in accordance with cleanroom requirements.

Qualification certificates and proof of air permeability on request.

Metal ceiling panel ①

Size and Material

Lindner ceiling panel, dimensions according to grid, made of galvanised sheet steel. Optionally made of stainless steel.

Edging of ceiling panel

All-sided or 2-sided Z-shape, respectively C-shape (flush)

Surface

Powder coated according to RAL or NCS

Polished and brushed stainless steel (*Duplex-Grind*)

Brushed stainless steel K240

Gloss level

appr. 20 E RAL 9010

Serviceability

Ceiling panels are removeable

Ceiling grid / Intermediary grid profile ⑤④ / ⑥①

Made of galvanized steel, surface similar to ceiling panel, suitable for clean rooms, as a basis for suspension and installation of the ceiling panel. Variable grid dimensions possible. Height 30 mm, width 100 mm.

Vernier-Suspension ⑧/⑨/⑤⑤

Consisting of:

Vernier-Hanger lower section

Vernier-safety pin (2 pcs./suspension)

Vernier-Hanger upper section

Wall connection angle (no image)

Wall angle to connect the ceiling system to partitions, concrete walls, etc. Different designs available. Made of galvanised steel, optionally made of Aluminium.

Additional equipment / installations

Light fixtures

Installation of recessed lights and luminaires from Lindner or from other manufacturers ¹⁾ is possible.

Air conditioning components

The ceiling system is compatible with Filter Fan Units / air supply exhausts / air grilles and other air conditioning components.

Other

Sprinklers, smoke detectors or media ducts can be set through the ceiling panels and the ceiling grid.

¹⁾ Situation-related clarification necessary

Manufacturing tolerances

Lindner metal ceilings are produced in accordance with the requirements of EN 13964 as well as the TAIM technical regulations (Verband Industrieller Metalldeckenhersteller TAIM e.V. - www.taim.info).

This data sheet refers to the standard version of the above-mentioned ceiling system. Project-specific remarks and adaptations can be found in addition to the tender documents.

Installation and use

The assembly and use shall be in accordance with the manufacturer's guidelines and the technical regulations of the TAIM.