SEMICONDUCTOR PACKAGE

This product package was specifically designed to meet the needs of semiconductor and microelectronics manufacturers and is suitable for any size and cleanliness class of cleanroom.
The package consists of the following elements:

- The Grid Ceiling
- The Fan Filter Units
- The Teardrop Lights
- The Partition Walls
- The Doors
- The Raised Floor

SKU: N/A

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Via Monti Lessini, 8 – 37057 San Giovanni Lupatoto (VR), Italy

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prime quality cleanroom products

PRODUCT DESCRIPTION

The Grid Ceiling

The system has been designed for the construction of false ceilings of Clean Rooms corresponding to the most recent and severe construction techniques, as well as to the most demanding conditions dictated for environments with the strictest Cleanliness Classes (up to ISO 3). The profiles in anodised extruded aluminium are assembled on T and L cross joints in die cast aluminium to form false ceiling support grills: the typicall size of the grill is 1.2 x 1.2 m.
Seal is of dry joint or wet type.
The system allows for fast fitting and removal and easy rearrangement if the layout has to be modified.

Blank panels

Different blank panel versions are available depending on the system's requirements (simple or walkable)..

The Fan filter units

Fan Filter Units designed for large size Clean Rooms where the levels of cleanliness, noise and absorption are extremely strict.The AIR-1-HT series Filter Fan Units offer cutting edge technology for modern Clean Rooms.

Discover more details

The Teardrop Lights

Aerodynamic ceiling lights especially conceived for Clean Rooms and Laminar Air Flow Systems: their width (50 mm) and the special shape of the screen allow an excellent airfow control without turbulence.
Teardrop ceiling lights are constructed to enable the creation of rows of lights.

Discover more details

The Partition walls

The cleanroom walls are made of self-supporting sandwich panels, designed for continuous row installation.
The joints between the panels are stable and secure thanks to three mechanical hooks: this ensures perfect adhesion between the panels and ensures the compression of the contact seals.
The seal between the panels is ensured by balloon gaskets: no sealants are required.
The walls are made entirely of aluminium and are coated on both sides with electrically conductive paint.

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The Doors

Wing Doors

All-glass doors having the following key features:

- jamb and jamb profiles in anodized extruded aluminium;
- sealing gasket of the ledge;
- retractable overhead mechanical door closer inserted in the upper crosspiece of the leaf with adjustable charge recall device;
- handle with lock;
- security panic device (where necessary).

Roll-up doors

Rapid roll-up doors, specifically designed for contamination-controlled environments, with the following key features:

- Perfect seal: the patented guides and the applied technology make it possible to avoid dispersions, keep the environment intact and save energy.
- Compact and modern: Motor installed in the unwind drum.
- Self-repairable: The sheet is automatically reinserted into the guides.
- Flexible fabric without rigid elements.
- Wireless electronic protection at the bottom of the fabric for additional security.
- Motor driven by an inverter and with encoder for more reliability.
- Self-diagnostic control panel

Sliding Doors

Automatic sliding doors specifically engineered for aseptic, sterile, and monitored environments:

- **Versatile Sealing Levels:**
  Configurable as non-airtight, semi-hermetic, or fully hermetic depending on the specific application requirements.
- **Integrated Design:**
  Flush-mounted aluminum profiles available with HPL (High-Pressure Laminate) panels or safety glass.
- **Contamination Control:**
  Smooth, silent, and reliable operation with easy-to-clean surfaces to maintain sterility in Dry Rooms and Cleanrooms.
- **Durable Mechanics:**
  Engineered to minimize friction and wear, ensuring a long lifecycle under intensive use.
- **Safety & Automation:**
  Advanced sensors and control units for safe transit and precise movement management.

The Raised floor

Floating floor composed of die-cast aluminium tiles resting on a substructure with aluminium feet of varying heights, depending on the design. Solid, perforated, and grid-type tiles are available, coated and/or painted.

Discover more details

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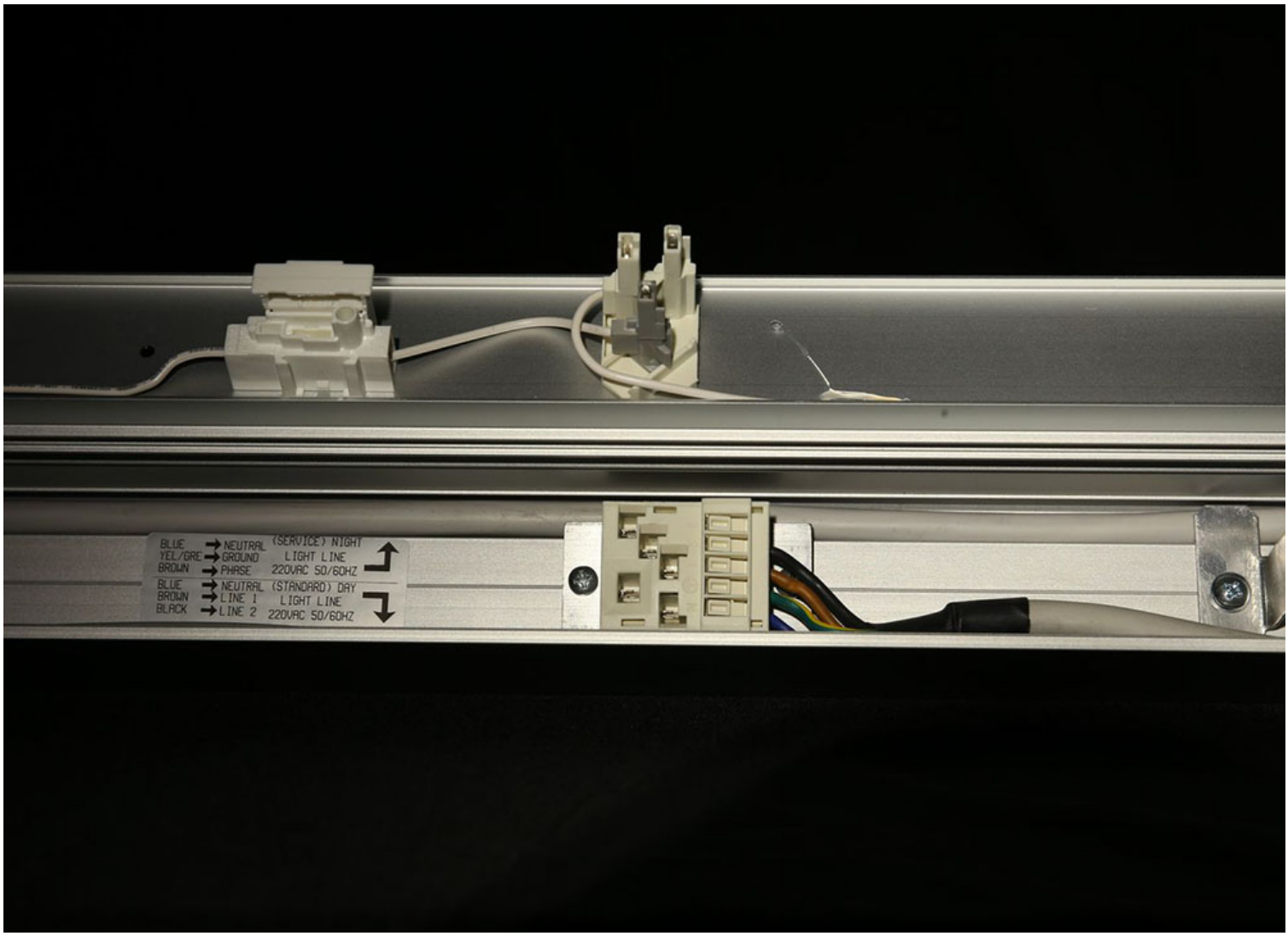

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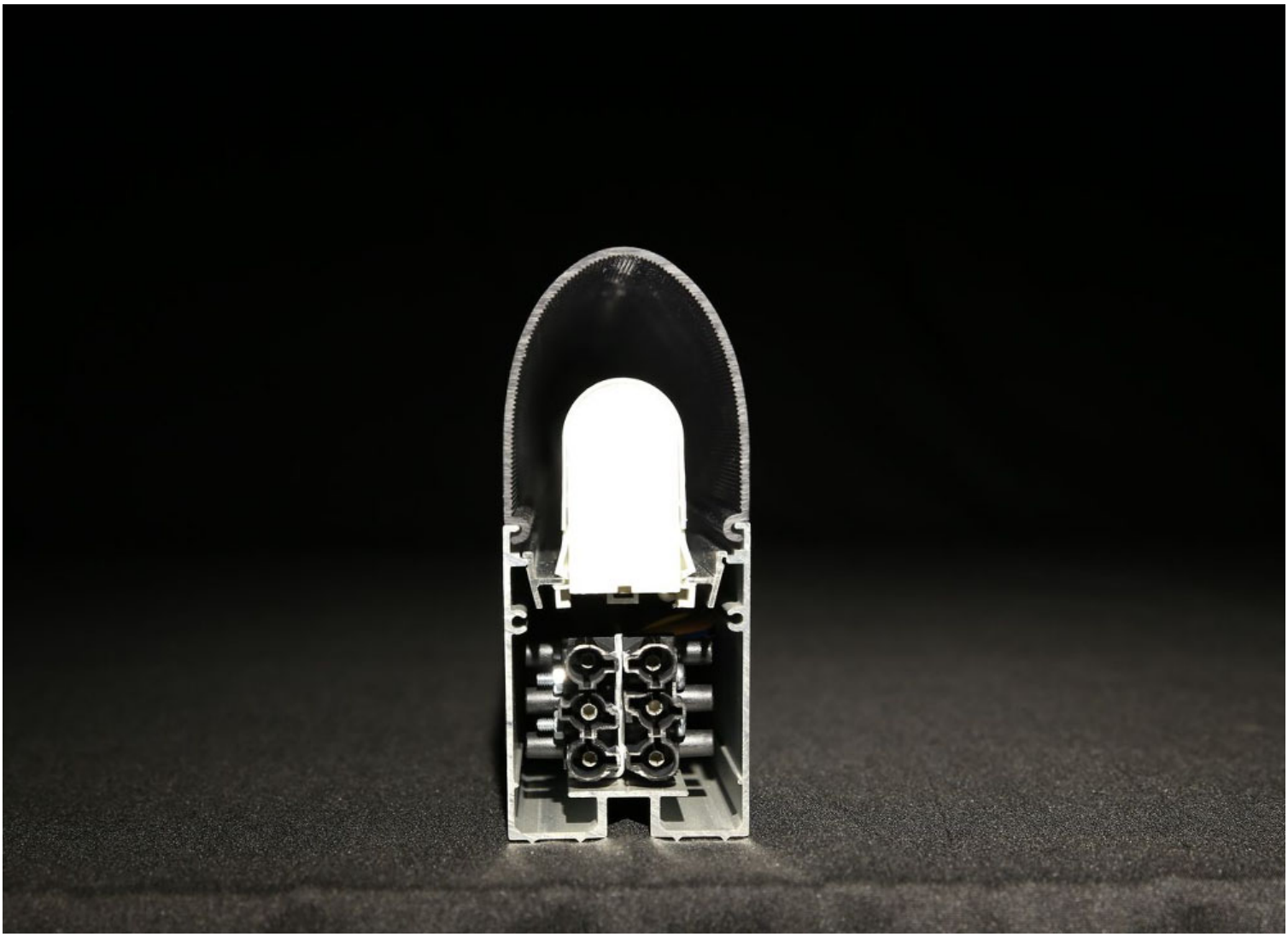

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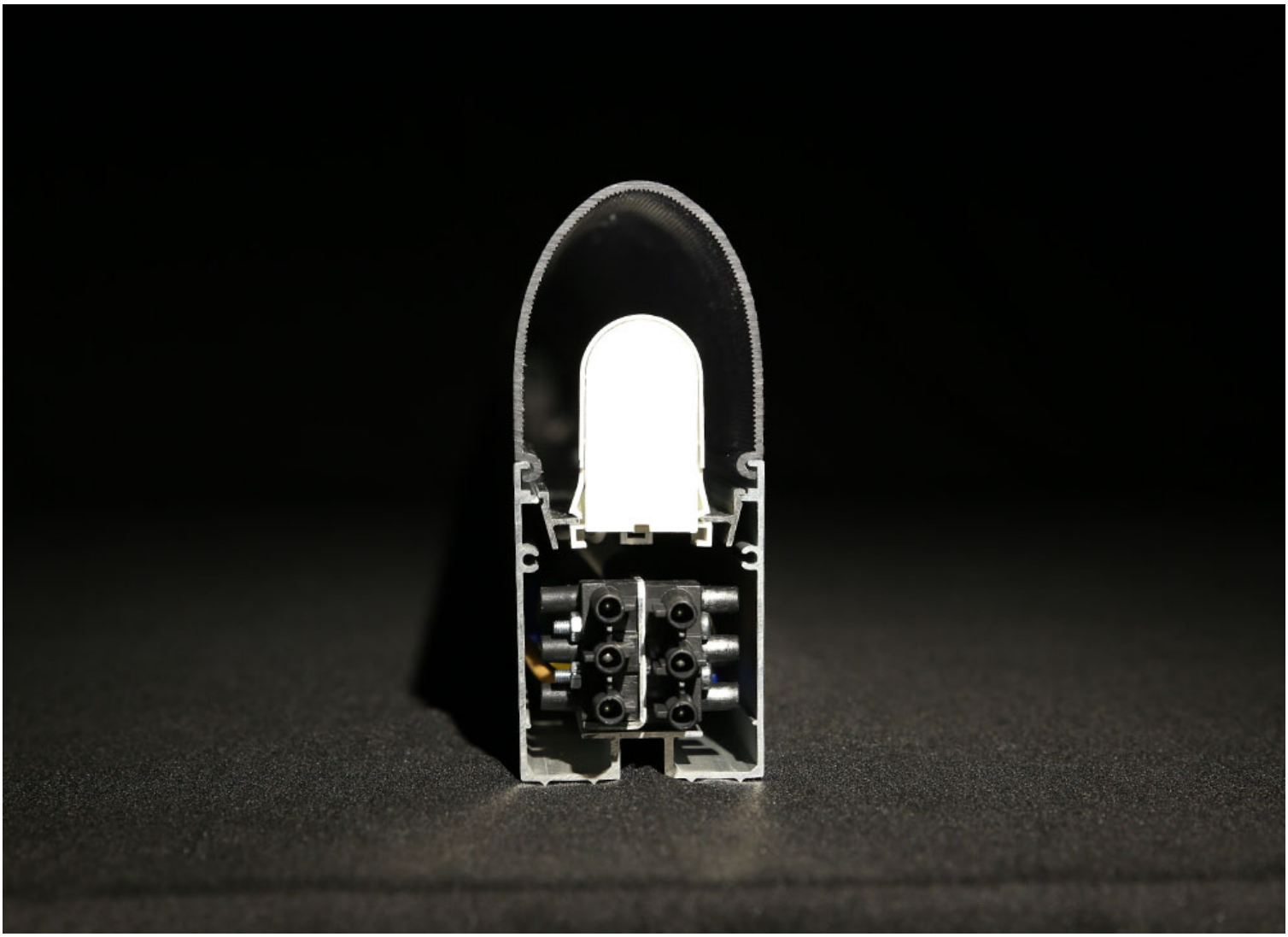

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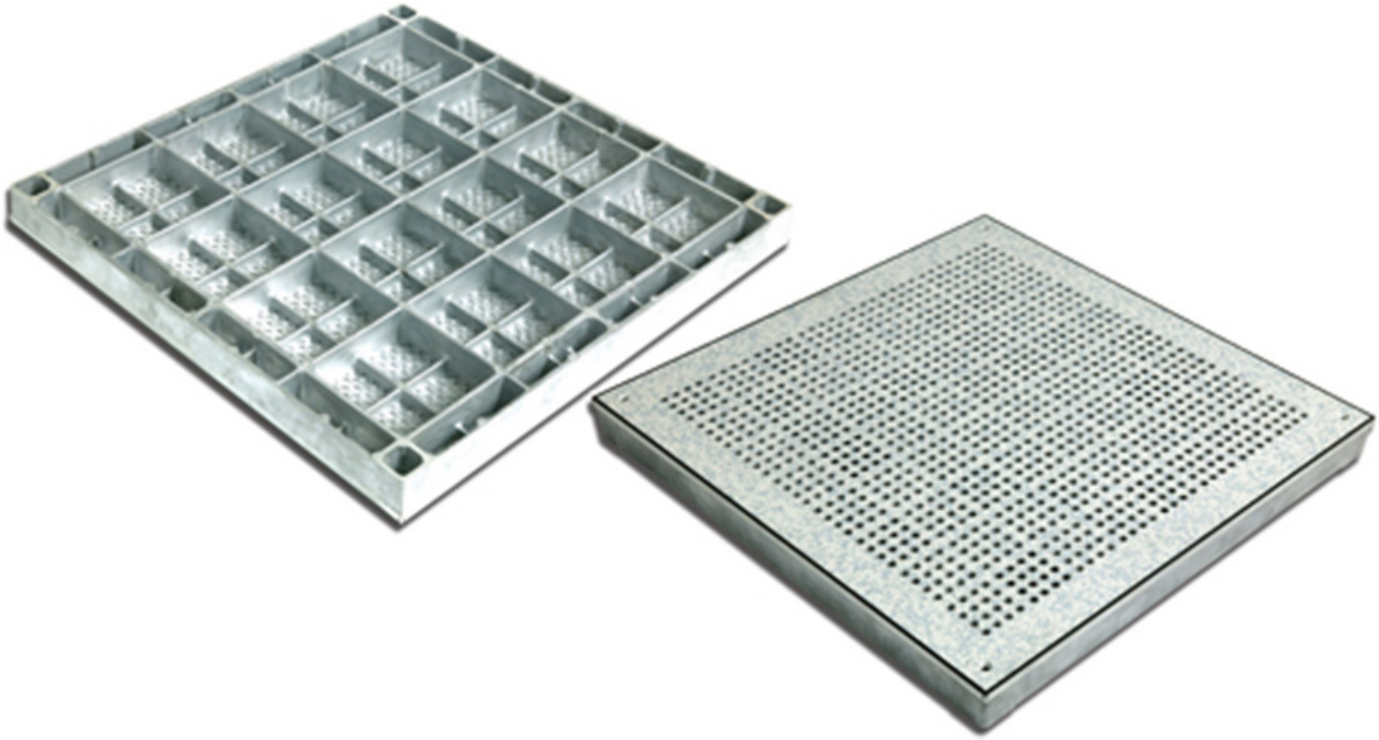

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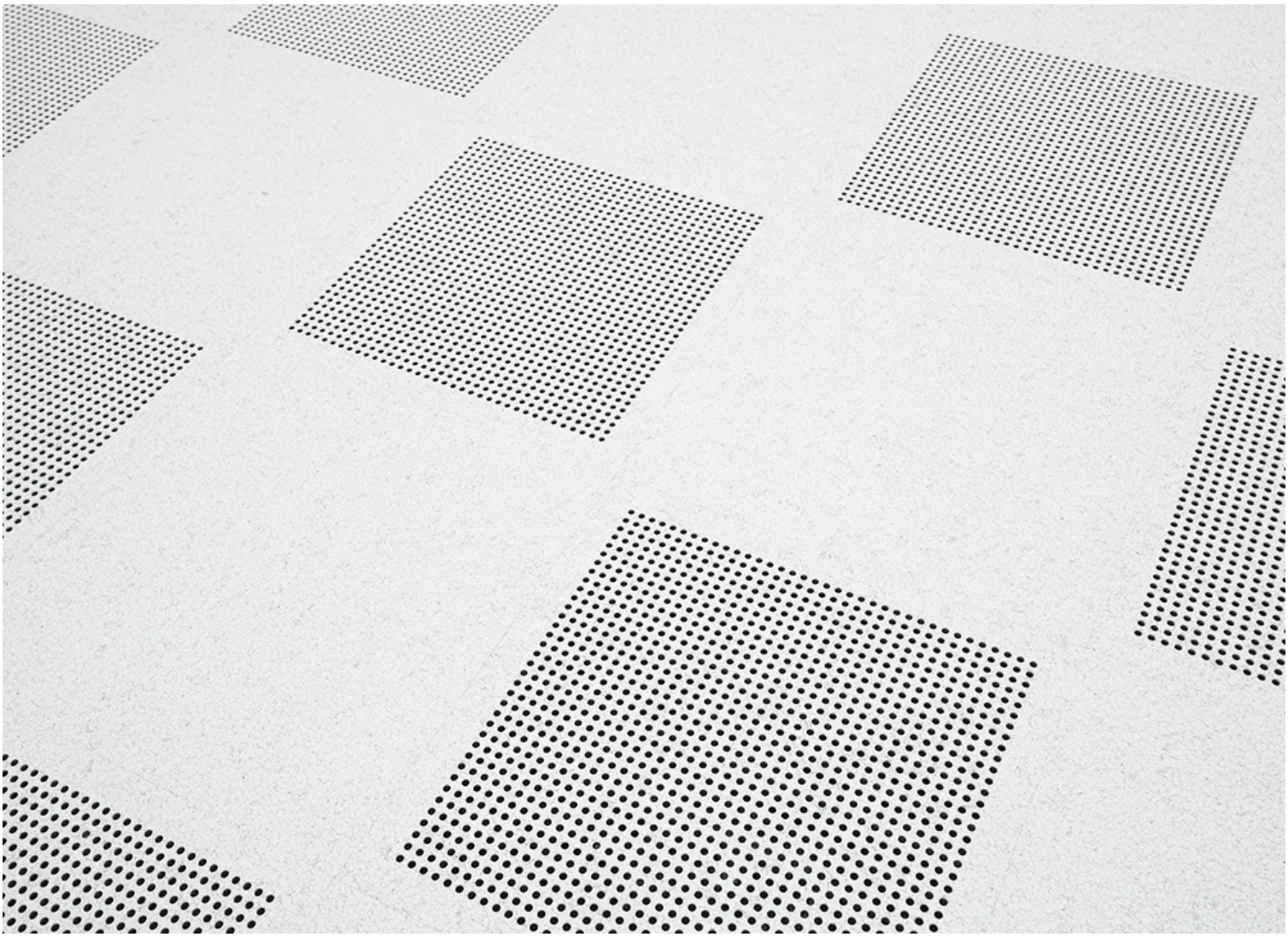

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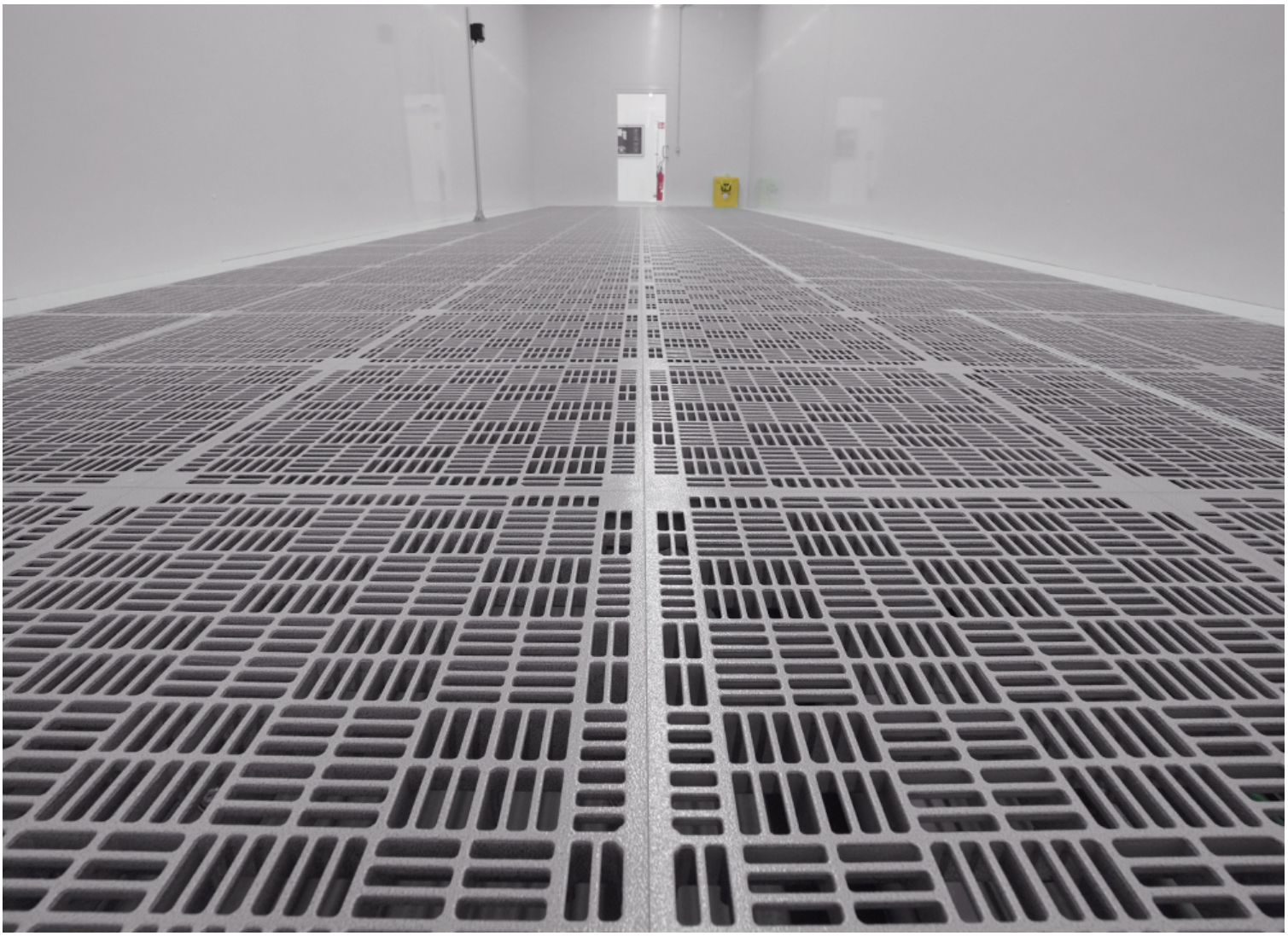

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