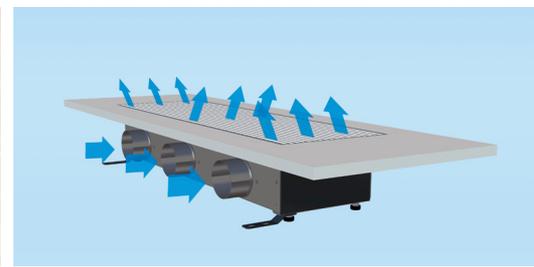
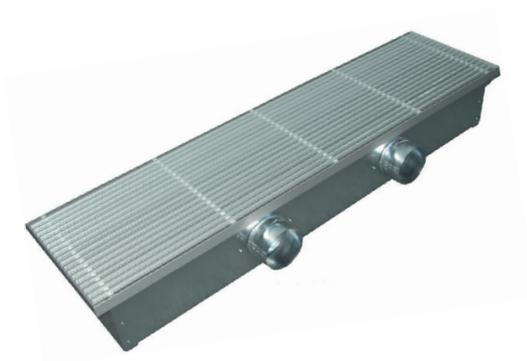


Heating, cooling and ventilation also at big temperature differences

## Floor-mounted air diffusers LDU-W



For offices, community facilities or living rooms.



- Quiet and draught-free with highly efficient ventilation
- Energy efficient: Thermal shielding of glass facades
- Flexible design of exhaust grid
- Ideal for raised access floors, easy to mount
- Visual continuity with other LTG floor devices

## Air Diffusers

### Floor-mounted air diffusers type LDU-W and LDU-W/H

High inductive air diffuser for ventilation, heating and cooling of office and conference rooms as well as entrance halls requiring high temperature differences between supply air and indoor air (+15 to -8K).

Installation preferably alongside facades and interior walls, flush-mounted in false floors or floor cavities.

#### View of unit



#### Installation



*Installation example, with LTG aluminum roller grille*

#### Features

- High thermal and acoustic comfort
- Variable appearance provided by a range of floor grilles
- Good optical integration as a continuous grid band thanks to wide range of accessory adapter and end pieces
- Excellent adaptation to false floors and floor cavities thanks to integrated height-adjustable feet, easy fixation and alignment
- Easy cleaning via removable floor grille and air distribution plate
- Easy adjustment by integrated throttle damper
- Project-based adaptation of air diffusers, supply air flow and outlet impulse
- Air flow rates up to 400 m<sup>3</sup>/h pro m

#### Functionality

The high-induction linear diffuser splits the supply air in diverging individual jets in a localized manner in parallel to the facade. Air speed and temperature differential are reduced rapidly. In the cooling mode, the air jets' limited divergence creates a mixed air stream close to the facade or wall, forming a low level displacement flow in the occupied zone. This flow replaces air that "plumes" to high level from heat sources and occupants. In the heating mode, the chilled indoor air close to the floor is rapidly mixed with the heated supply air thanks to high induction. The integrated heat exchanger (version including reheating, type LDU-W/H) has been optimized specifically for low water volumes and high caloric outputs.



*Room air flow*

#### Details

- Type LDU-W: without reheater,  
length 800...1450 mm, width 300 mm
- Type LDU-W/H: with integrated reheater,  
length 850...1450 mm, width 300 mm
- Other dimensions (e.g. width 200 mm) on request.