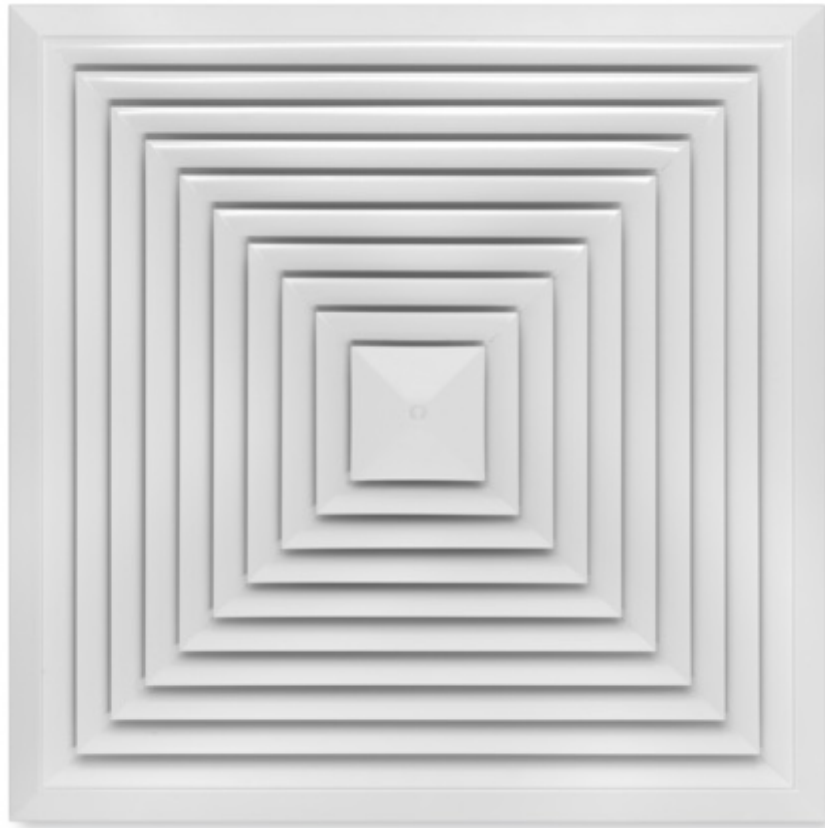


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Type DLK-Fb



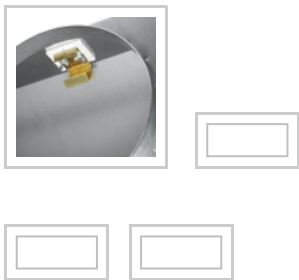
**FOR HORIZONTAL FOUR-WAY AIR DISCHARGE,
WITH INTEGRAL FIRE BARRIER FOR MINERAL
FIBRE FALSE CEILINGS, WITH FIXED AIR CONTROL
BLADES**

Square ceiling diffusers for Odenwald false ceilings, to ensure fire integrity in the event of a fire on the room side

- Nominal sizes 600, 625
- Volume flow rate range 220 – 460 l/s or 792 – 1656 m³/h
- Square diffuser face
- Diffuser face made of galvanised sheet steel, powder-coated
- Automatic release at 72 °C in the event of a fire
- For supply and extract air
- For variable and constant volume flows
- High induction results in a rapid reduction of the temperature difference and airflow velocity

Optional equipment and accessories

- Exposed diffuser face available in RAL CLASSIC colours
- Horizontal duct connection



Application

- Type DLK-Fb ceiling diffusers with integral fire barrier are used as supply air or extract air diffusers for comfort zones
- For fire integrity in the event of a fire on the room side (DIN 4102-2, clause 7.2.1.)
- Max. fire load in the false ceiling void: 7 kWh/m²
- Release in the event of a fire is by fusible link
- Horizontal four-way supply air discharge for mixed flow ventilation
- High induction results in a rapid reduction of the temperature difference and airflow velocity (supply air variant)
- For variable and constant volume flows
- For supply air to room air temperature differences from -10 to +10 K
- For room heights up to 4 m (lower edge of suspended ceiling)
- For installation into mineral fibre false ceilings made by Odenwald
- Important! Type DLK-Fb ceiling diffusers are not approved for self-supporting fire-resistant false ceilings; for such ceilings, Type KU-K30 fire dampers or Type FVZ-K30 fire protection valves must be used

Special characteristics

- Horizontal four-way supply air discharge
- Diffuser face made of galvanised sheet steel
- With integral fire barrier for mineral fibre false ceilings
- Horizontal duct connection

Classification

- Fire resistance class according to certificate 80764-M1/Schu
- Suspended ceilings combined with steel girder ceilings, F90
- Suspended ceilings combined with steel reinforced concrete ceilings, F90
- Suspended ceilings combined with wooden beam ceilings, F30

Nominal sizes

- 600, 625

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Parts and characteristics

- Square diffuser face with fixed air control blades
- Diffuser front frame
- Plenum box with fire barrier and release mechanism, release temperature 72 °C
- Simple installation of the diffuser face due to central fixing screw with decorative cap

Construction features

- Spigot suitable for circular ducts to EN 1506 or EN 13180

Materials and surfaces

- Diffuser face and plenum box made of galvanised sheet steel
- Fire barrier made of special insulation material to EN 13501-1, fire rating class A2-s1 d0
- Diffuser face powder-coated RAL 9010, pure white
- P1: Powder-coated, RAL CLASSIC colour

Standards and guidelines

- Sound power level of the air-regenerated noise measured according to EN ISO 5135

Maintenance

- Maintenance-free as construction and materials are not subject to wear
- Inspection and cleaning to VDI 6022

TECHNICAL INFORMATION

Function, Technical data, Quick sizing, Specification text, Order code 

Dimensions and weight, Product details 

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Installation examples, Installation details, Basic information and nomenclature ▼

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