Technical data sheet

Ceiling air diffuser GLS 230

- Ceiling air diffuser for supply or extract air
- Supply air guide with twist scoops
- Plenum box in galvanized sheet steel
- Front plate in galvanized sheet steel, in RAL colour 9010, with central fastening
- Optional: Plenum box in water-tight version, suitable to set in concrete

Technical Data

<table>
<thead>
<tr>
<th>Measurements</th>
<th>Technical Data</th>
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</table>

- **Air flow range**
  - 40 bis 100 m³/h (supply resp. extract air)
- **Recommended supply air temperature**
  - -6 K bis +1 K
- **Average room air velocity**
  - Standing level (1.7m) < 0.17 m/s
  - Sitting level (1.1m) < 0.15 m/s
  - (with a minimum clearance between two outlets of 1.20 m and a minimum room height of 2.80 m)
- **Sound power level supply air**
  - $L_W = 60 \times \lg (\text{air flow rate}) - 75$
  - Air flow rate in [m³/h]; $L_W$ in [dB(A)]
- **Sound power level extract air**
  - $L_W = 60 \times \lg (\text{air flow rate}) - 76$
  - Air flow rate in [m³/h]; $L_W$ in [dB(A)]
- **Pressure loss**
  - Supply air $\Delta p = (\text{air flow rate})^2 / 880$
  - Extract air $\Delta p = (\text{air flow rate})^2 / 1500$
  - Air flow rate in [m³/h]; $\Delta p$ in [Pa]
- **Weight**
  - Front plate and plenum box ca. 1.5 kg