Technical data sheet

Ceiling air diffuser combination GLS 360 Z/A

- Ceiling air diffuser for supply and extract air in one unit
- Supply air guide with twist scoops
- Extract air guide through perforated interior
- Plenum box in galvanized sheet steel, socket position selectable
- 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**

**Measurements**

- **Air flow range**
  40 to 100 m³/h (supply- resp. extract air)

- **Recommended supply air temperature differential**
  -6 K bis +1 K

- **Average room air velocity**
  - Standing level (1.8 m) < 0.17 m/s
  - Sitting level (1.3 m) < 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- and extract air)
  \[ L_W = 60 \times \lg \text{(air flow)} - 80 \]
  Air flow in [m³/h]; L\(_W\) in [dB(A)]
  Example: Supply air flow 80 m³/h
  Extract air flow 80 m³/h
  \[ => L_W = 60 \times \lg (80) - 80 = 34 \text{ dB(A)} \]

- **Pressure loss**
  - Supply air \[ \Delta p_s = (\text{air flow})^2 / 1,800 \]
  - Extract air \[ \Delta p_s = (\text{air flow})^2 / 350 \]
  Air flow in [m³/h]; \(\Delta p\) in [Pa]

- **Weight**
  Front plate and plenum box approx. 3.3 kg