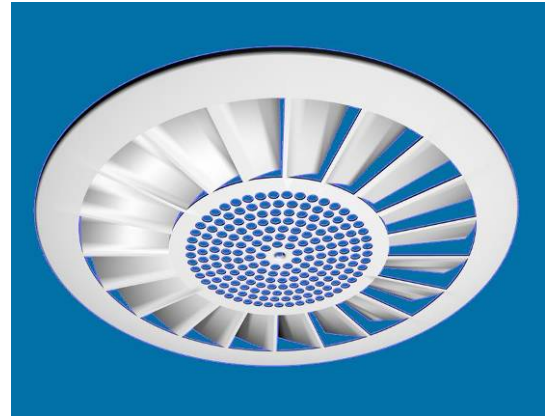


## Technical data sheet

# 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

- **Air flow range**  
 40 to 100 m<sup>3</sup>/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 [m<sup>3</sup>/h];  $L_W$  in [dB(A)]  
 Example: Supply air flow 80 m<sup>3</sup>/h  
 Extract air flow 80 m<sup>3</sup>/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 [m<sup>3</sup>/h];  $\Delta p$  in [Pa]
- **Weight**  
 Front plate and plenum box approx. 3.3 kg

### Measurements

\* variable measures acc. to concrete ceiling thickness

