

## 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

- **Air flow range**  
40 bis 100 m<sup>3</sup>/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 [m<sup>3</sup>/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 [m<sup>3</sup>/h];  $L_W$  in [dB(A)]
- **Pressure loss**  
Supply air  $\Delta p = (\text{air flow rate})^2 / 880$   
Air flow rate in [m<sup>3</sup>/h];  $\Delta p$  in [Pa]  
  
Extract air  $\Delta p = (\text{air flow rate})^2 / 1500$   
Air flow rate in [m<sup>3</sup>/h];  $\Delta p$  in [Pa]
- **Weight**  
Front plate and plenum box ca. 1.5 kg

### Measurements

\* variable measures acc. to concrete ceiling thickness

