

**Ceiling diffuser****11051020**  
**SC 831 F1 D160 RAL9010 STD**

The SC 831 is a steel concentric circular diffuser for fixed-rate air diffusion and horizontal airflow.



SC 831 F1 D160 RAL9010std

**PRODUCT BENEFITS**

- easy to install,
- RAL 9010 white finish.

**Principles of operation**

The SC 831 can be installed directly on a duct or in the ceiling using a connection plenum. It delivers a fixed rate, homogeneous horizontal airflow.

**Product description**

The SC 831 is a fixed concentric circular steel diffuser for air distribution in ventilation or air conditioning systems in commercial buildings. It can be connected directly to a duct or a plenum to deliver a fixed, horizontal, and homogeneous airflow. The diffuser is made of steel with an epoxy paint finish, RAL 9003 white 30% gloss.

**Fields of application**

Non-residential buildings

**Installation**

The SC 831 diffuser is installed on the ceiling. The visible screw attachment is made on the outer cone or to an exposed duct, using the mounting ring.

**Reference arguments**

- Pressed steel circular cones, surface-mounted.
- Steel finish, epoxy paint RAL 9010 white.
- Visible screw attachment to ceiling in external cone and FR attachment ring or BY damper.
- Connection to circular ducts.

**Main characteristics**

- SC 831 fixed concentric circular steel diffuser,
- pressed steel concentric circular cone,
- steel with epoxy paint:
  - standard: white RAL 9003 30% gloss,
  - option: other RAL.
- attachment:
  - visible screw attachment to ceiling on outer cone,
  - circular circuit connection with FR mounting ring or BY damper.
- connection:
  - on circular ducts, diameters from 160 to 355 mm,
  - using a plenum.

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### Supplementary characteristics

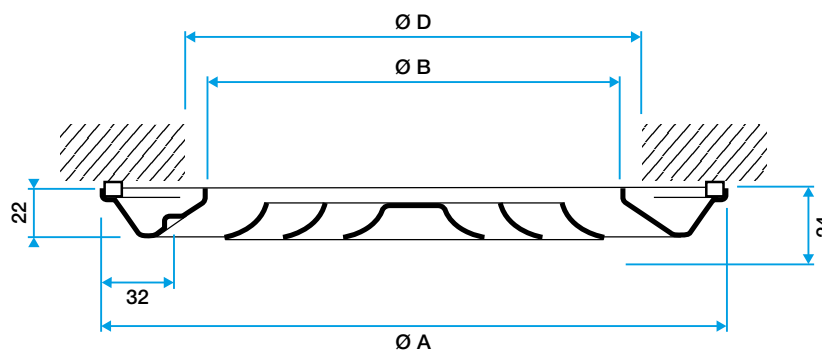
- accessories:
- FR steel mounting ring,
- BY steel damper also used as mounting ring,
- LRE galvanised steel connection plenum.

### Accessories

Désignations	References
PLENUM LRE842/883 F0 D160/160	11053311
BY CIRCULAR DAMPER D160	11053180
LRE Plenum diff circular F0 D160 PC cfg	11053346

### Dimensional data

References	E (mm)	Ø A (mm)	Ø B (mm)	Ø D (mm)
11051020	24	230	134	160



Diffuseur SC 831

### Airflow data

References	Comfort airflow < 35 dB(A) (m <sup>3</sup> /h)
11051020	250