

Type ADLR



FOR HORIZONTAL RADIAL SUPPLY AIR DISCHARGE, WITH FIXED AIR CONTROL BLADES – ALUMINIUM DIFFUSER FACE

Circular and square ceiling diffusers for radial air discharge, for high comfort levels, ideal integration into suspended ceilings

- Nominal sizes 1, 2, 3, 4, 5, 6, 7, 8
- Volume flow rate range 20 – 650 l/s or 72 – 2340 m³/h
- Circular or square diffuser face
- Grille face made of aluminium with anodised finish
- For supply and extract air
- For variable and constant volume flows
- For suspended continuous plasterboard or grid ceilings
- High induction results in a rapid reduction of the temperature difference and airflow velocity

Optional equipment and accessories

- Exposed diffuser face available in RAL CLASSIC colours
- Horizontal or vertical duct connection
- Plenum box with cord-operated damper blade and pressure tap



APPLICATION

Application

- Type ADLR ceiling diffusers are used as supply air or extract air diffusers for comfort zones
- Attractive design element for building owners and architects with demanding aesthetic requirements
- Horizontal radial supply air discharge for mixed flow ventilation
- High induction results in a rapid reduction of the temperature difference and airflow velocity (supply air variant)
- For variable and constant volume flows
- For supply air to room air temperature differences from -10 to $+10$ K
- For room heights up to 4 m (lower edge of suspended ceiling)
- For suspended continuous plasterboard or grid ceilings

Special characteristics

- Horizontal radial supply air discharge
- Diffuser face made of aluminium
- For suspended continuous plasterboard or grid ceilings
- Horizontal or vertical duct connection

Nominal sizes

- Circular diffuser face: 244, 300, 356, 412, 468, 542, 598, 654
- Square diffuser face: 593, 598, 618, 623
- Diffuser: 1, 2, 3, 4, 5, 6, 7, 8

DESCRIPTION

Variant

- Circular diffuser face

- Square diffuser face

Connection

- A: Diffuser face only
- AR: Vertical duct connection, with connecting frame
- C: Vertical duct connection with butterfly damper
- ZV: Vertical duct connection, with plenum box for supply air
- AV: Vertical duct connection, with plenum box for extract air
- ZH: Horizontal duct connection, with plenum box for supply air
- AH: Horizontal duct connection, with plenum box for extract air

Parts and characteristics

- Circular or square diffuser face with fixed air control blades
- Diffuser front frame
- Simple installation of the diffuser face due to central fixing screw with decorative cap

Accessories

- Standard cross bar
- Duct cross bar
- Lip seal

Materials and surfaces

- Diffuser face made of aluminium
- Connecting frame and butterfly damper made of coated sheet steel
- Plenum box made of galvanised sheet steel
- Lip seal made of rubber
- Attachments are dip coated RAL 9005, jet black
- Diffuser face powder-coated RAL 9010, pure white
- P1: Powder-coated, RAL CLASSIC colour

Standards and guidelines

- Sound power level of the air-regenerated noise measured according to

EN ISO 5135

Maintenance

- Maintenance-free as construction and materials are not subject to wear
- Inspection and cleaning to VDI 6022

TROX UK Ltd



Caxton Way,
Thetford, Norfolk, IP24 3SQ, UK
Tel: +44 (0) 1842 754545
Fax: +44 (0) 1842 763051

General Enquiries –

info@troxuk.co.uk

Sales & Customer Services –

sales@troxuk.co.uk

Accounts –

accounts@troxuk.co.uk

Online-Services

TROX Academy

Your contact partner

Our Office London

Our Office Thetford

Service-Hotlines

Sales:

+44 (0)1842 754545

[Contact](#)

Service:

+44 (0)1842 754545

[Contact](#)

Technical service

+44 (0)1842 754545

[Contact](#)