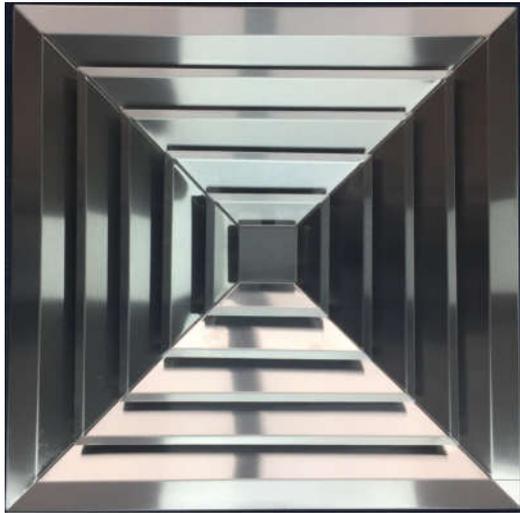
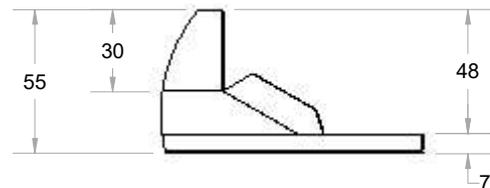
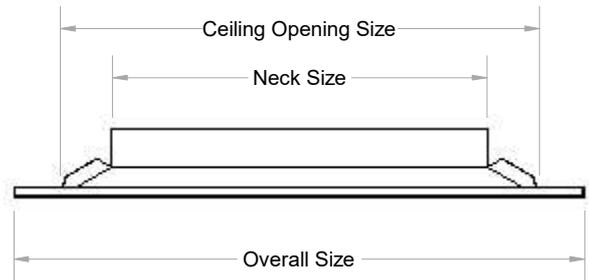


Louvre Face Diffuser 4 Way

Type: LFD4-SS



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APPLICATION:

The LFD4-SS is a Stainless Steel 4 way Louvre Face Diffuser. It has been specifically designed for use in ceilings to provide a horizontal air distribution pattern where conventional aluminium or mild steel products are not desirable either for hygiene, corrosion resistancy or perhaps just simply for quality or aesthetics. This product by nature of the manufacturing process remains robust and resistant to many chemicals & cleaning fluids etc. Applications such as Laboratories, hospitals, pharmaceutical and industrial premises as well as wide range of marine facilities.

SPECIALS:

Due to the flexible manufacturing process it is possible to provide many different blade and frame arrangements in terms of dimensions, thickness and angle as well as depth.

STANDARD:

Our standard construction is of 304 grade Stainless Steel with a Brush finish known as Dull Polish. Other finishes and grades are available.

MATERIALS:

Stainless Steel 304 or 316 DP1 marine grade with a minimum thickness of 1mm depending on grille dimensions.

CONSTRUCTION:

Pressed formed frame & blades.
The core assembly has a spring loaded welded bracket allowing the core to be removed from the frame.
Alternative materials and thicknesses are available.

ALTERNATIVE FINISH:

Polyester Powder Coated. (for mild steel or Aluminum option)
Mill finish Stainless Steel.
Polished Stainless Steel.
Polished Brass.

DIMENSIONS:

All dimensions are in mm.
Minimum size 150 x 150
Maximum size 1000 x 1000 (Single section)
Neck dimensions go up in 50mm increments.

Dimensions		
Nominal Neck size	Ceiling Opening	Overall Flange
150 x 150	230 x 230	296 x 296
200 x 200	280 x 280	346 x 346
250 x 250	330 x 330	396 x 396
300 x 300	380 x 380	446 x 446
350 x 350	430 x 430	496 x 496
400 x 400	480 x 480	546 x 546
450 x 450	530 x 530	596 x 596
500 x 500	580 x 580	596 x 596
1050 x 450	1130 x 530	1196 x 596

BLADE CONFIGURATION:

It is possible to have long or short blades fitted into a rectangular frame providing more flexibility to suit the clients requirements. It is also possible to have an offset centre on the 2 way option to deliver more air in one direction compared to the other e.g. if the diffuser location is not in the centre of a room or if there are obstructions that may cause disruption to the airflow.

OPTIONS:

1, 2 and 3 way throw patterns are available with blanking plates.
Fixed Core.
Various frame types & Concealed fixings are available.
Alternative flange widths & profiles to suit the ceiling constriction.
Filters & Filter frames to the rear.
Volume control & Fire dampers.
Fire rated & standard plenums.
Extended neck to suit ceiling thicknesses.

SPECIFICATION:

The flanged frame and core blades are to be manufactured from 1mm thick Dull Polished Stainless Steel sheet press formed with clinched corner tabs.
Care shall be taken to ensure that the grain of the brush finish of the core is to be the same direction as the frame.
The core is to be securely fixed to the frame using 316 St Steel wire.
Fixing Screw Holes (countersunk or flat) shall be specified if required.
The Stainless Steel Grade shall also be specified i.e. 304 or 316 etc.