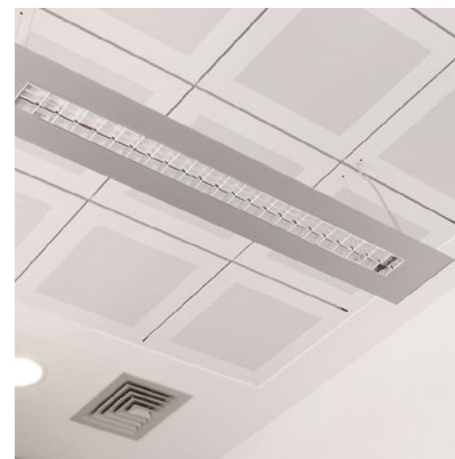
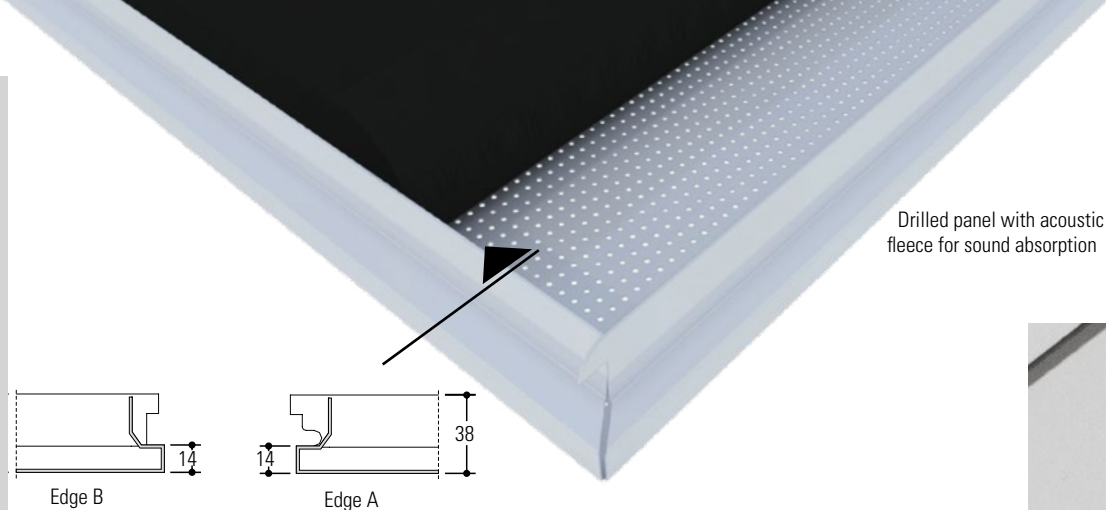
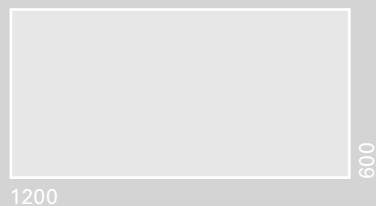
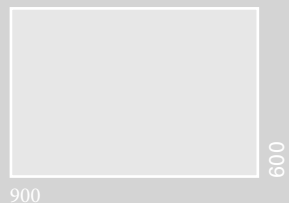
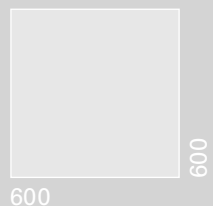


# VERT BOX





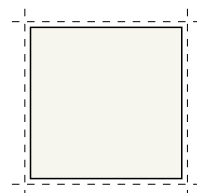
## STANDARD MODULES



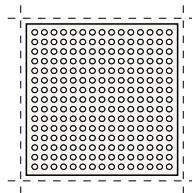
## TECHNICAL SPECIFICATIONS

|                        |                                                                                     |
|------------------------|-------------------------------------------------------------------------------------|
| European regulations:  | CE - EN 13964                                                                       |
| Durability:            | Class B                                                                             |
| Fire resistance:       | A1                                                                                  |
| Acoustic absorption:   | EN ISO 354                                                                          |
| Standard colour:       | Prepainted White • Silver • Mirror aluminium<br>Post painted RAL - NCS - Sublimated |
| Standard material:     | Aluminium (Alloy 310H46)<br>Galvanized steel (DX51DZ100)                            |
| Standard thickness:    | 0,4 - 0,5 - 0,6 mm                                                                  |
| Standard modules:      | 600x600 mm plain edge<br>600x900 mm plain edge<br>600x1200 mm plain edge            |
| Average system weight: | 4-5 kg/m <sup>2</sup>                                                               |

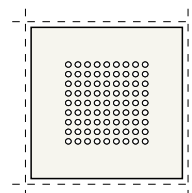
## FINISHING



Plain panel

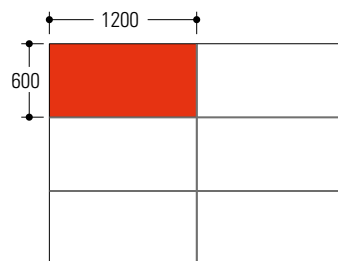
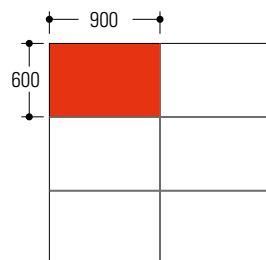
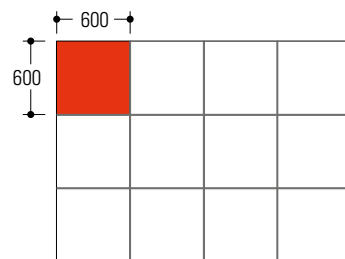


Drilled panel  
with 10 mm plain edge



Drilled panel  
with 100 mm plain edge

## STANDARD MODULES

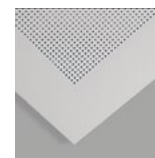


## FINISHING

### PANEL TYPE



Plain panel



Drilled panel  
See page 68

### PRE-PAINTED COLOUR



White



Silver



Aluminium Mirror

### POST-PAINTED COLOUR

RAL

NCS

## ACOUSTIC MATERIAL



Acoustic fleece

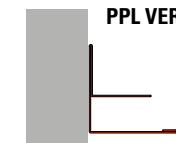


Polyester fibre

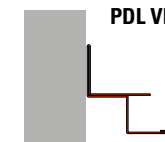


Mineral wool

## EDGE PROFILE



PPL VERTBOX

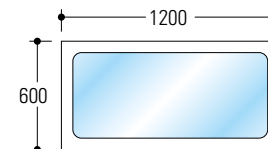
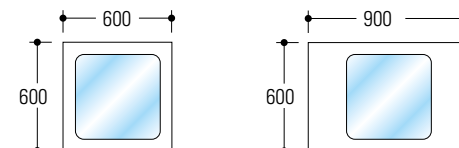


PDL VERTBOX

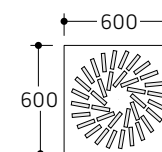
See page 63

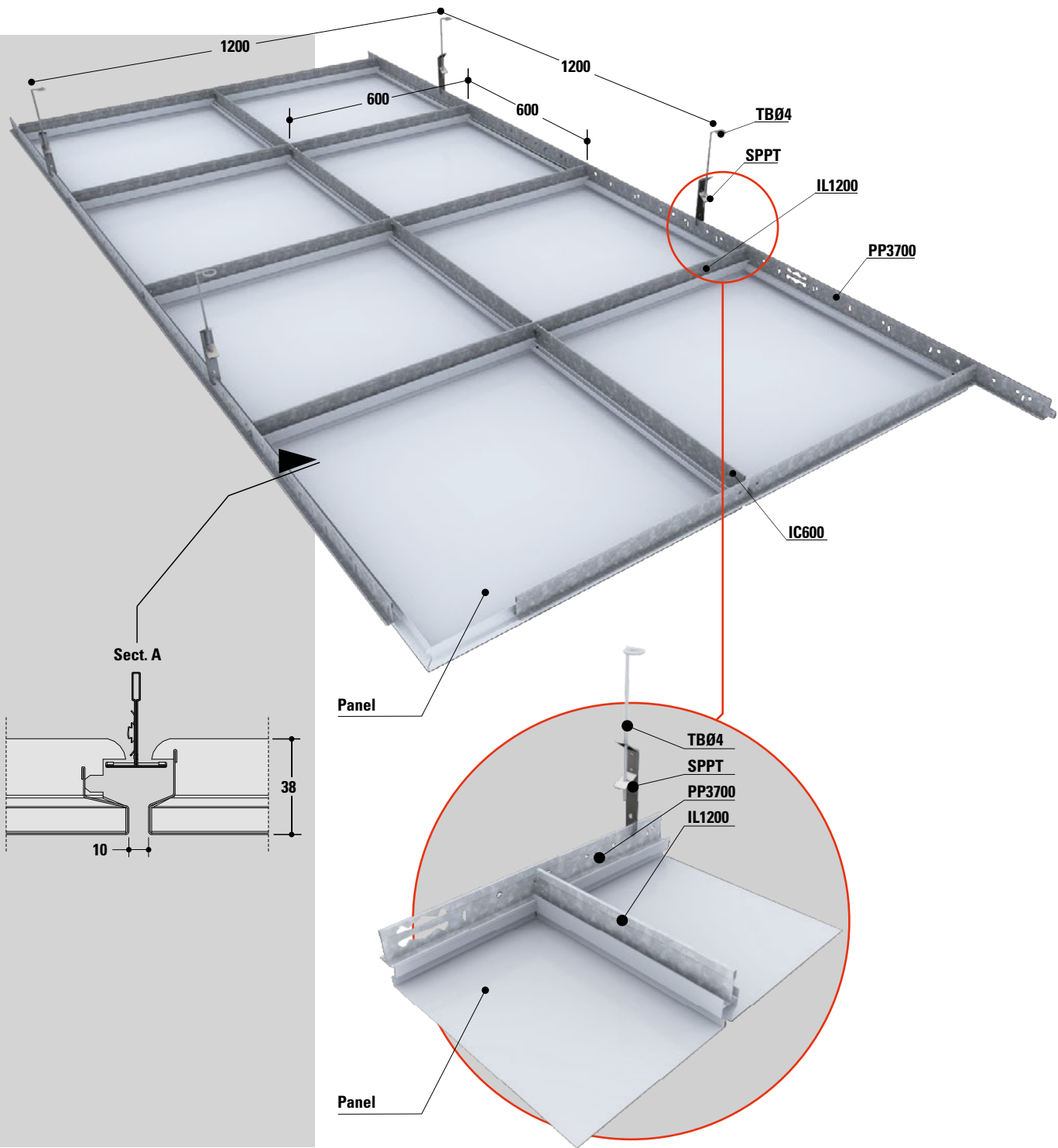
## ACCESSORIES

### LIGHTING

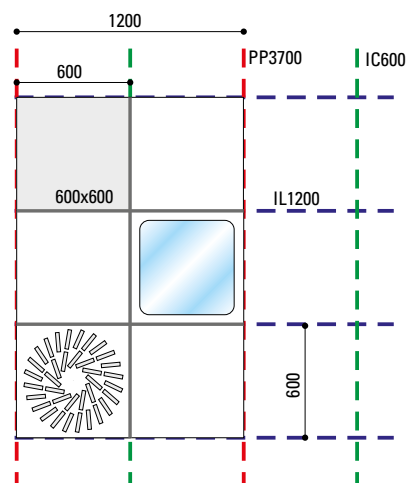


### AC TREATMENT





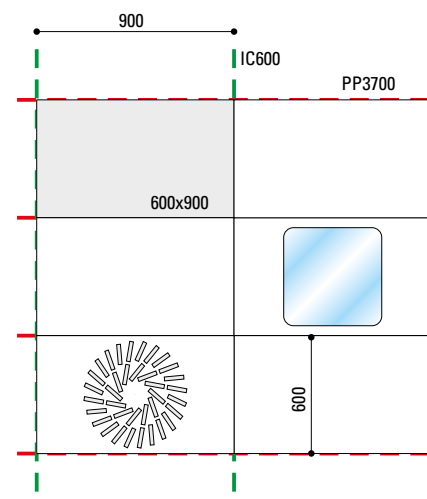
## Module 600 x 600 mm



### Theoretical incidences

|                                      |                        |
|--------------------------------------|------------------------|
| PP3700<br><i>Bearing profile</i>     | 0,83 m/m <sup>2</sup>  |
| IL1200<br><i>Long middle profile</i> | 1,67 m/m <sup>2</sup>  |
| IC600<br><i>Short middle profile</i> | 0,83 m/m <sup>2</sup>  |
| Panel<br><i>600 x 600 mm</i>         | 2,78 pc/m <sup>2</sup> |
| SPPT<br><i>Suspension</i>            | 0,70 pc/m <sup>2</sup> |
| TB04<br><i>Rod bar</i>               | 0,70 pc/m <sup>2</sup> |
| TNT<br><i>Acoustic fleece</i>        | 2,78 pc/m <sup>2</sup> |

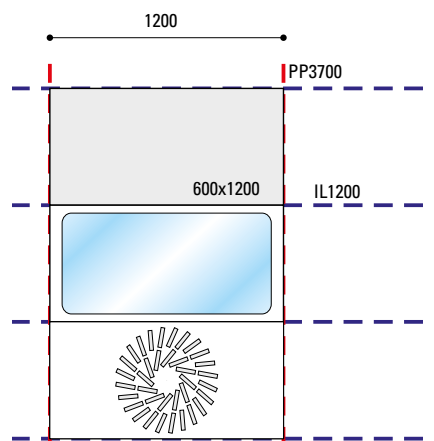
## Module 600 x 900 mm



### Theoretical incidences

|                                      |                        |
|--------------------------------------|------------------------|
| PP3700<br><i>Bearing profile</i>     | 1,67 m/m <sup>2</sup>  |
| IC600<br><i>Short middle profile</i> | 1,11 m/m <sup>2</sup>  |
| Panel<br><i>600 x 900 mm</i>         | 1,85 pc/m <sup>2</sup> |
| SPPT<br><i>Suspension</i>            | 0,70 pc/m <sup>2</sup> |
| TB04<br><i>Rod bar</i>               | 0,70 pc/m <sup>2</sup> |
| TNT<br><i>Acoustic fleece</i>        | 1,85 pc/m <sup>2</sup> |

## Module 600 x 1200 mm



### Theoretical incidences

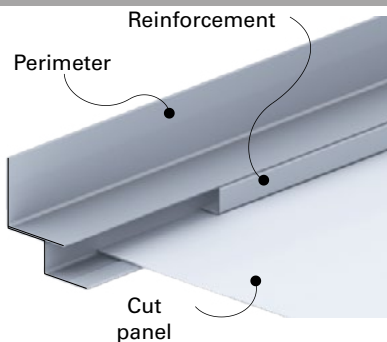
|                                      |                        |
|--------------------------------------|------------------------|
| PP3700<br><i>Bearing profile</i>     | 0,83 m/m <sup>2</sup>  |
| IL1200<br><i>Long middle profile</i> | 1,67 m/m <sup>2</sup>  |
| Panel<br><i>600 x 1200 mm</i>        | 1,39 pc/m <sup>2</sup> |
| SPPT<br><i>Suspension</i>            | 0,70 pc/m <sup>2</sup> |
| TB04<br><i>Rod bar</i>               | 0,70 pc/m <sup>2</sup> |
| TNT<br><i>Acoustic fleece</i>        | 1,39 pc/m <sup>2</sup> |



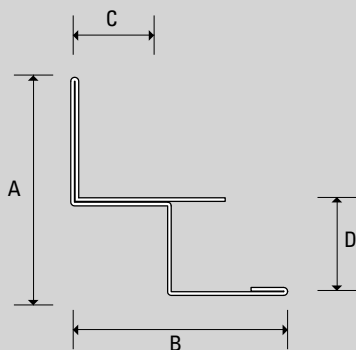
# VERTBOX

DEDICATED EDGE PROFILES

## VERTBOX PDL Perimeter profile

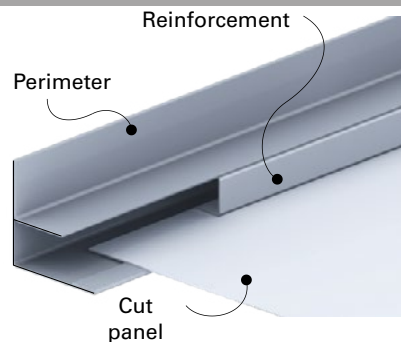


The perimeter finish that is created with the PDL VERTBOX profile is a nice beading effect between the wall and the false ceiling, giving to the room a greater depth.

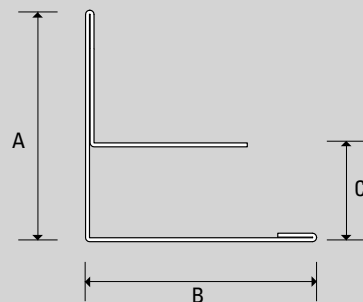


|           |                   |    |    |    |
|-----------|-------------------|----|----|----|
| Material  | Steel / Aluminium |    |    |    |
| Thickness | 0,4 / 0,5 mm      |    |    |    |
| Sizes     | A                 | B  | C  | D  |
|           | 50                | 35 | 16 | 30 |

## VERTBOX PPL Perimeter profile



The proposed solution considers a F-Perimeter fixed to the wall and a box C-shaped profile that creates a pressure on the cut panel. Valid for both indoor and outdoor false ceilings.



|           |                   |    |    |
|-----------|-------------------|----|----|
| Material  | Steel / Aluminium |    |    |
| Thickness | 0,4 / 0,5 mm      |    |    |
| Sizes     | A                 | B  | C  |
|           | 50                | 35 | 30 |



# LED LIGHTING

## PANEL

Panel finish can be either pre- or post-varnished, based on the panel of the false ceiling.

## BODY

Aluminium sheet, thickness 8/10, post-varnished. It is equipped with fixing accessories.

## OPTICAL GROUP

Colour rendering Ra >90

Plexiglass LED high light transmittance.

## WIRING / ELECTRONICS

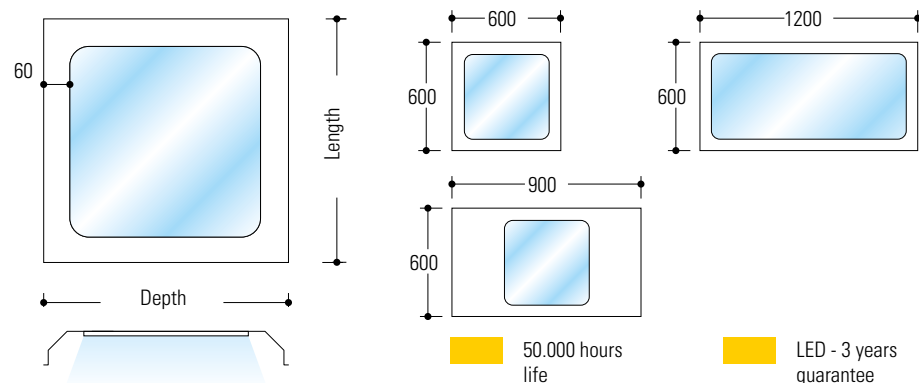
Power supply 230/50Hz with cable section 0.75mm<sup>2</sup> and PVC-HT flame retarding sheath according to CEI 20-35 standards and in compliance with CEI 20.20 and CEI CENELEC HD 21 standards.

Automatic terminal box 2P+T or 4P+T, maximum wire section allowed 2.5 mm<sup>2</sup>.

Insulation class I.

Suitable for installation on normally inflammable surfaces.

Electronic ballast EEI=A2 220-240, 0/50-60Hz. Power factor > 0.95.



EC marked product



Power supply 230v – 50hz



Protection degree



Recycling and Raee management



LED lighting



RGB



Installation from below



Dimmability



Emergency 2h/3h

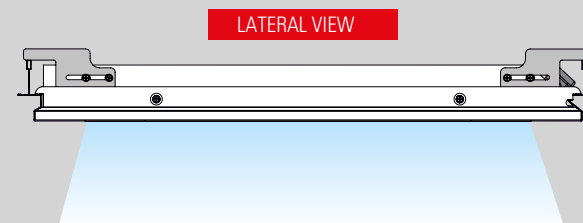


Special waste



Suitable for installation in isolated false ceilings

LED modules not replaceable by the end user

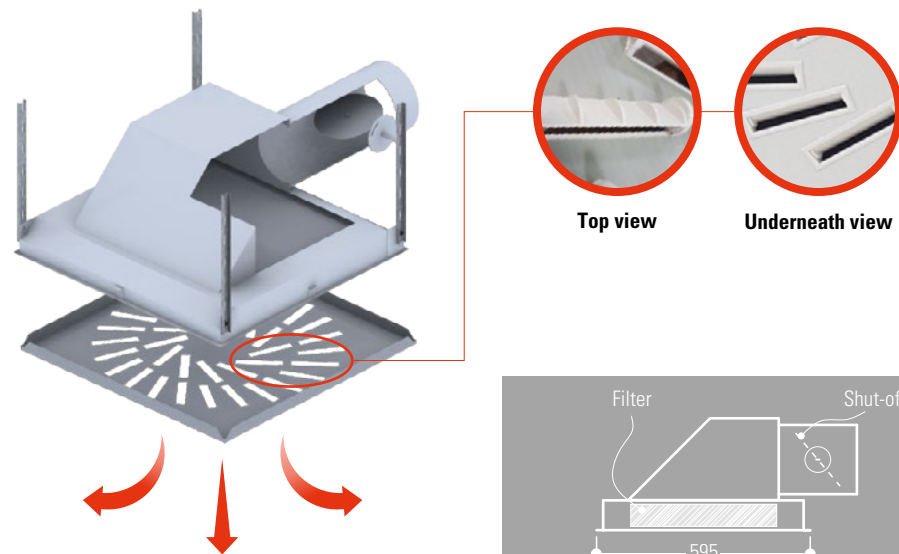


# VENTILATION

## INTEGRATED DIFFUSERS FOR AIR CONDITIONING

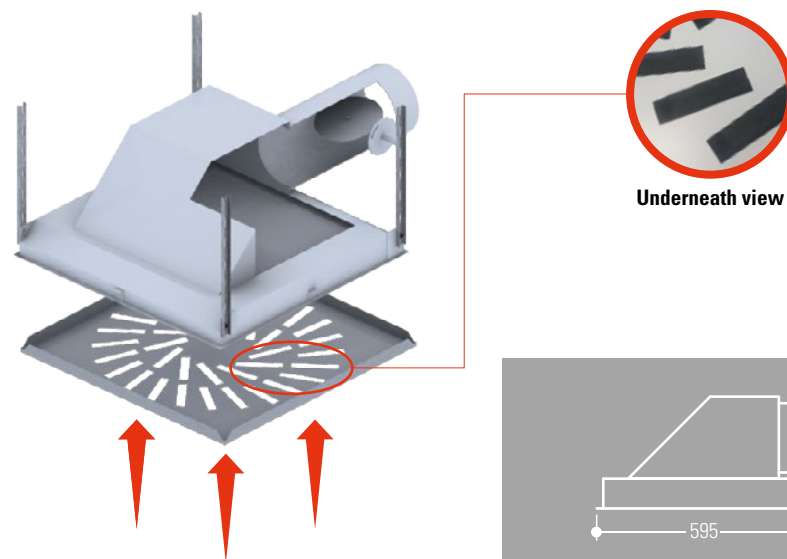
### DISTRIBUTION PLENUM

Distribution plenum with dimensions 595x595 mm made of galvanized post-varnished steel that can be perfectly integrated in the false ceiling. The diffuser is complete of Hepa H14 filter, shut-off and thermo-plastic fins for the regulation of air distribution.



### RETURN PLENUM

Return plenum with dimensions 595x595 mm made of galvanized post-varnished steel that can be perfectly integrated in the false ceiling. The diffuser is complete of slits in radial arrangement, made by directly cutting the pre- or post-varnished panel, as shown in the detail.



**Note:** The plenum, mounted on the supporting structure, must be suspended rigidly with slotted bars. The screen will have to be mounted by following the same procedures as the false ceiling