

## Description

PA Laminar Flow Diffuser (Model: LFD) is designed for Supply Air application for AC System. It is suitable for ceiling mounted and for cleanroom application where HEPA filter is required. Besides standard constructed from extruded aluminium, stainless steel material is available upon request. Finishing for LFD is standard powder coated in white colour, other colours are available upon request.



## Installation Guideline

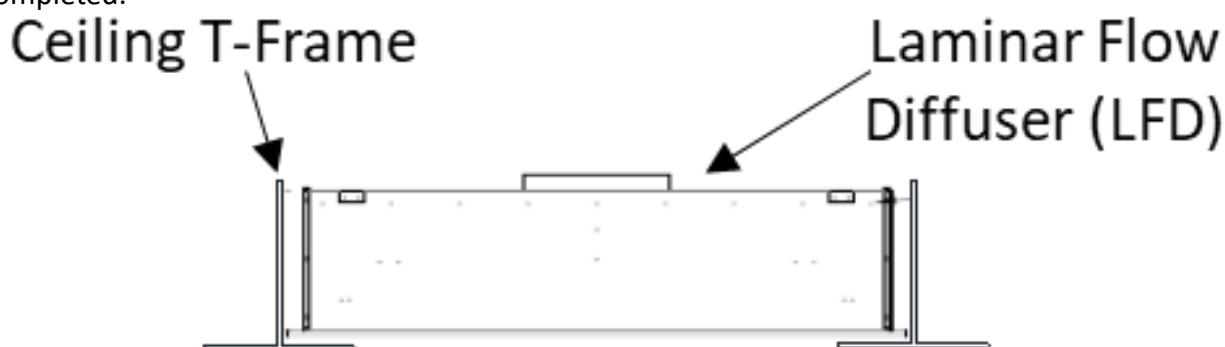
### 1. Opening Clearance

The hole opening on the wall or ceiling shall be larger than the combination of the LFD's neck with its respective accessories combination to permit the installation of the system and the gap should be within 5mm of the overall size of the LFD's neck and its accessories combination.

### 2. Installation Detail

#### A. Ceiling T-Frame Laying (Ceiling Mounted)

The LFD will directly rest on the ceiling T-Frame while the back of the LFD is tightened to the concrete slab or the main framework of the ceiling frame above the ceiling with the use of a metal wire. This is to ensure that the LFD will not drop and cause any accidents after the installation work is completed.



#### B. Plaster Ceiling Mounting (Ceiling Mounted)

The plenum box must be pre-installed above the ceiling before the closure of the plaster ceiling. The plenum box should be secured in position with the use of a metal rod or metal wire to a position where is safe above the ceiling. A marking should be made to indicate the location of the adaptor for the ease of future work.

Once the plaster ceiling dries up and is ready for installation work, open the hole using either a manual or electrical cutting tool based on the location of the plenum box. After that, the user can secure the LFD to the bracket of the plenum box with the use of an M5 self-tapping screw and tighten it until the surface of the LFD is flush with the ceiling or wall.

