The vertical baffle system POLYLA M® is vertical baffle system, exhibiting space-delineating characteristics as well as acoustic features. The system comprises baffles 40 mm, 63mm or 100 mm wide. The baffles may be designed with perforated sides as well as perforated underneath. Perforation design according to the durlum metal ceilings manual, preferably RV – L6. The baffle height can be varied between 100 and 360 mm. On special request baffle heights from 30 mm to 800 mm.can be supplied. The overall height including the substructure is equal to the baffle height plus 34 mm. The module can be selected at random. The smallest module pitch is the width of the baffle added by 50 mm.The carrier rails run perpendicular to the baffles axis and can be mounted to the mounting level (e.g. bore ceiling) via a grid angle as cross bracing or directly via threaded rods or Nonius suspension rods using technical approved dowel plugs (distances depend on EN13964). Individual baffle lengths between 300 and 3800 mm can be selected. Baffles lengths less than 1500 mm require two carrier rails mounted at the baffle ends. Baffles longer than 1500 mm require an additional carrier rail, which is mounted in the centre. The upstand at the front of the baffle has a tab in the centre; to align the the baffles in the longitudinal direction. The non-attached ends of the baffle can be closed via an end cover. A hook serves as the connection between carrier rail and baffle, that creates a secure a formlocking link.Depending on the conditions, it is possible to provide a security clip to connect the baffle with the carrier rail.

Acoustic requirements
The POLYLAM® baffle system can be fitted with various fillings, which act as absorbing material, e.g. with mineral wool in PE bags or with polyester fleece. The required equivalent absorbing surfaces can be adjusted to comply with the construction requirements by using various numbers of baffles, different baffle heights/widths, or diverse fillings.

Sprinkler
Generally, the open area measures more than 70 %; thus, this particular ceiling system is referred to as an “open system”. In this case, a separate sprinkler level is not required for the ceiling cavity. (In isolated cases, this has to be verified).

Ventilation
The baffles may be designed to supply or extract air. All baffles can be adjusted to meet the project requirements.

Leading brand system durlum vertical baffle type Polylam or equivalent. Consisting of:

Pos..... **Delivery and installation of vertical baffle type Polylam,** U-shaped cross section with top moulded profiled edge
..... m²
Baffle width: optionally (40mm or (63mm or (100mm
Baffle height…..mm (min. 100/ max. 360mm)
Individual baffle lengths….mm (min. 300/max.3800mm)
Module: ….mm
Material: optionally (steel or (aluminium nature anodized)
Surface: white powdercoated D206-700, similar to RAL 9016,
optionally to RAL …….. color
Perforation: durlum type RV-L6 [2.1/4] with 10mm unperforated edge to the bends
Sound absorption: baffles filled with mineral wool in PE bags RG 17kg/m³.
Unit price: ….€/lm
Total price: ….€

Pos..... **Se-up costs per format, type and call-off**
..... pcs

Pos..... **End cover [optional]**
..... pcs Unit price … €/pc
Total price … €

Pos..... **Security clip [optional]**
..... pcs Unit price … €/pc
Total price … €

Pos..... **Delivery and installation of a suspension system for vertical baffle typ Polylam**
..... m² U-shaped mounting rails for module …. mm (min. baffle width: +50mm)
Version steel black coated
Suspension with Nonius suspension rod or threaded rod as direct suspension for the U-shaped carrier rail or suspension via grid angles (black) and Nonius suspension rods
Technical approved dowel plugs
Unit price … €/m²
Total price … €