Quality lighting combined with acoustic comfort and the beauty of fabrics, for this family of suspension lamps. A lighting system that matches decor solutions with high levels of sound absorption, for public and private spaces.
1 Model of application

restaurant

Location analysis

the quality of a restaurant is a combination of different factors: quality of food, service and environment and a good quality of speech combined with acoustic comfort.

Solution

the Silenzio suspensions are the perfect solution because they are simple shapes which enrich the spaces thanks to the high quality of the textiles; they diffuse a comfortable light and provide high levels of acoustic absorption.

2 Room data

L = 15 m
W = 7 m
H = 5.5 m

Different height from 2.5 mt to 2.9 mt AFF

Lighting source used

LED module 45W

Fixtures installation

5 x Silenzio Ø 90 cm
9 x Silenzio Ø 120 cm

Illuminance average

Table (min) 180 lx
Table (max) 452 lx

3 Before

time of reverberation* 3.16 s

After

(with Silenzio) time of reverberation 1.55 s

Decrease of reverberation: about 51%**

Measuring reverberation time allows to calculate total sound absorption. Reverberation time varies according to the frequency. If reverberation time is too long, the space can have echoes and rumbles.

The data is always approximate: the software doesn’t take in consideration the position of the speaker and the position of absorbent surfaces.
Silenzio

D79

**Accessories**
-  D79R/07 bottom screen
-  D79R/08 suspension kit

**Light source**
-  D79R/03
  -  3 x LED E27
  -  A++ / A / A
  -  3 x max 105 H/55/2 E27 energy saver
  -  3 x 23/27W FB E27
-  D79R/10
  -  LED module 45W° 3000K
  -  A++
-  D79R/11
  -  LED module 45W° 2700K
  -  A++

**Materials**
-  Aluminium and steel structure and textile

**Structure finishes**
-  White

**Textiles**
-  Standard colours
  -  133
  -  152
  -  242
  -  252

**Insulation class**
-  Green
  -  412
  -  912
  -  942
  -  733
  -  743
  -  753
-  Pink/lilac/blue
  -  223
  -  923
  -  682
  -  722
  -  852
-  Orange
  -  443
  -  543
  -  653
  -  123
-  Grey

*Power consumption by device*