Studio Odile Decq

Pétale
Acoustic Solution
A suspension lamp with an organic form that conceals the magic of silence: the body consists of a sound-absorbing panel covered in white fabric, to improve acoustic comfort in any space. Available in three sizes.
A model of application

Office

Location analysis

A pleasant workspace must guarantee a perfect balance between correct, uniform lighting of worksurfaces and a comfortable acoustic "situation" in which the noise produced inside the space is reduced to a minimum level.

Solution

Pétale suspensions combine the technology of a fiberglass panel that absorbs the sound waves reflected by the room’s surfaces with an integrated high-performance lighting module. The result is a comfortable lightscape and a pleasing acoustic sensation.

Room data

L = 6 m
W = 6 m
H = 4 m

Fixtures installation

1 fixture every 2 workspace
2 fixture 2,1 m

Lighting source used

LED module 45W
Ledstrip 17W

Illuminance average

Workspaces 304 lx

Before

Time of reverberation* 2,35 s
After

(+ 2 Pétale D71P)
Time of reverberation 1,86 s
Decrease of reverberation about 21%**

* 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.
**D71**

**Pétale**

- **D71CL**
  - Weight: 13.0 Kg
- **D71PL**
  - Weight: 14.10 Kg
- **D71P1L**
  - Weight: 16.50 Kg

**Accessories**

- **D71/D0C** for D71CL
- **D71/D0P** for D71PL
- **D71/D1AP1** for D71P1L

**Light source**

- **D71PL**
  - LED 45W 3000K push/DALI + 17W LED strip
  - EEL: A++
- **D71CL**
  - LED 45W 3000K push/DALI + 18W LED strip
  - EEL: A++
- **D71P1L**
  - LED 45W 3000K push/DALI + 21W LED strip
  - EEL: A++

**Materials**

- Aluminium structure and textile

**Structure finishes**

- White

**Insulation class**

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* Power consumption by device