

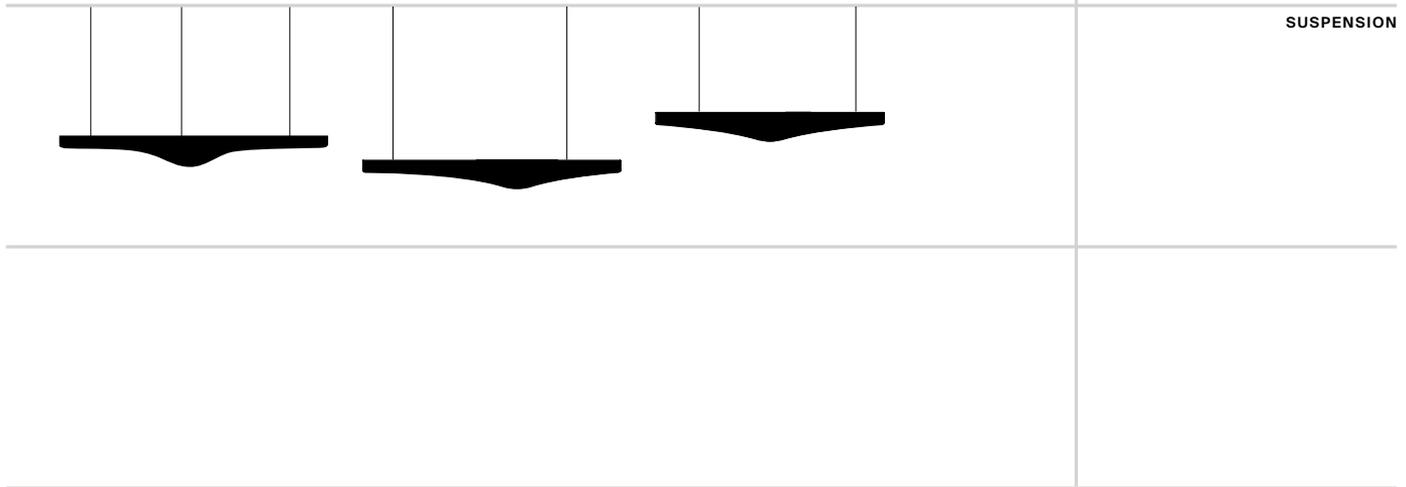
# Luceplan

## Pétale

Studio Odile Decq



# Pétale



Studio Odile Decq, 2012

**EN Pétale could be defined as a gracefully suspended petal that spreads soft, smooth white light. But the truly extraordinary feature of this object with an organic form is the way it absorbs sound. The body of the lamp, covered with white fabric, is made with a sound-absorbing panel. The dome that covers the light source is in polycarbonate. While it is ideal for use in compositions of multiple 'light petals' in large spaces for hospitality and socializing, Pétale also performs its multiple functions perfectly as a 'soloist' in any inhabited context.**

**IT** Pétale si potrebbe definire un petalo sospeso con grazia che diffonde una luce bianca soffusa e ovattata. Ma la straordinaria prerogativa di questa lampada dalla forma organica, risiede nella sua capacità di assorbire il rumore. Il corpo lampada, rivestito con un tessuto bianco, è costituito da un pannello fonoassorbente. La cupola che ne regge la struttura è in policarbonato. Particolarmente indicata per composizioni in grandi spazi d'accoglienza e convivialità, Pétale svolge la sua molteplice funzione anche "singolarmente", in ogni contesto abitativo.

**DE** Pétale ließe sich als anmutig schwebendes Blütenblatt definieren, das blendfreies, weiches Licht abgibt. Das Besondere an dieser organisch geformten Leuchte ist aber ihre Fähigkeit, Schall zu schlucken. Der Leuchtenkörper besteht aus einem schallabsorbierenden Paneel und ist mit einem weißen textilen Überzug bespannt. Die Kuppel für die Aufhängung besteht aus Polycarbonat. Pétale eignet sich für Beleuchtungskombinationen in einer Umgebung mit großen Menschenansammlungen, lässt sich mit ihrer vielseitigen Funktion aber auch einzeln einsetzen in Wohnräumen.

**FR** Pétale: une lampe-pétale suspendue avec grâce qui diffuse une lumière blanche tamisée et ouatée. Mais la caractéristique extraordinaire de cette lampe de forme organique réside en sa capacité d'absorber le bruit. Le corps de la lampe, revêtu d'un tissu blanc, est constitué d'un panneau phono-absorbant. La coupole qui en soutient la structure est en polycarbonate. Particulièrement indiquée pour des compositions valorisant de grands espaces d'accueil et de convivialité, Pétale remplit ses multiples fonctions également en solo, dans un logement normal.

**ES** Pétale se podría definir como un pétalo suspendido con gracia que difunde una luz blanca velada y tenue. Pero la extraordinaria prerogativa de esta lámpara de forma orgánica reside en su capacidad de absorber el ruido. El cuerpo de la lámpara, revestido con un tejido blanco, se compone de un panel fonoabsorbente. La cúpula que sujeta su estructura es de policarbonato. Particolarmente indicada para composiciones en grandes espacios de acogida y convivencia, Pétale también lleva a cabo su función múltiple de manera «individual», en cada contexto habitacional.

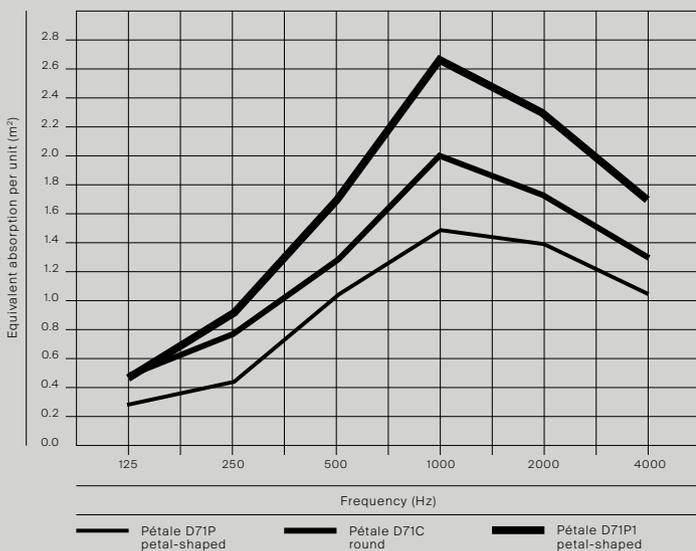


### Sound absorbing panel

Environmental influence.  
Granted the Nordic Swan eco-label.  
Fully recyclable.

### Fire safety

The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182.



### 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 AFF 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

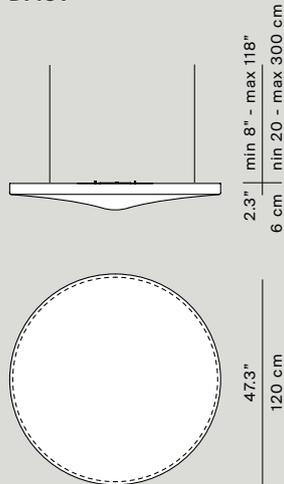
# Pétale

**D71CV + D71/7DV-7DVW-  
D71/7DL-D71/7DLW**  
weight 13,0 Kg

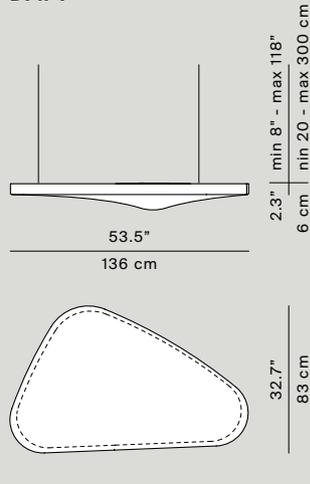
**D71PV + D71/7DV-7DVW-  
D71/7DL-D71/7DLW**  
weight 14,10 Kg

**D71P1V + D71/7DV-7DVW-  
D71/7DL-D71/7DLW**  
weight 16,50 Kg

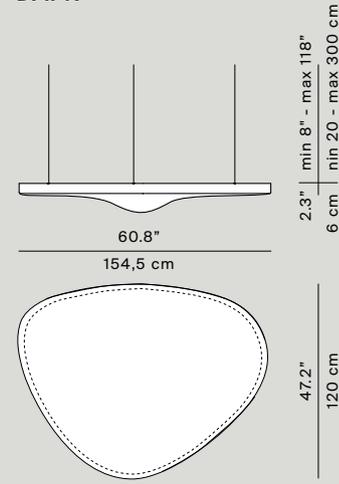
**D71CV**



**D71PV**

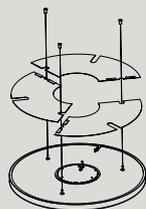


**D71P1V**

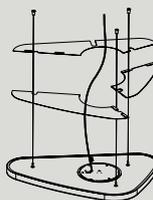


**Accessoires  
cover**

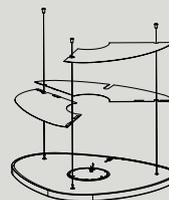
**D71/OAC  
for D71CV**



**D71/OAP  
for D71PV**



**D71/OAP1  
for D71P1V**



**Light source**

**D71CV**

18W LED strip 3000K CRI 90 dimmable DALI

**D71PV**

17W LED strip 3000K CRI 90 dimmable DALI

**D71P1V**

21W LED strip 3000K CRI 90 dimmable DALI

**D71/7DV**

LED 45W 3000K CRI 90 dimmable push/DALI

**D71/7DVW**

LED 45W 2700K CRI 90 dimmable push/DALI

**D71/7DL (direct/indirect light)**

LED 45W 2700K CRI 90 + LED 25W 2700K CRI 90 dimmable push/DALI

**D71/DLW (direct/indirect light)**

LED 45W 3000K CRI 90 + LED 25W 3000K CRI 90 dimmable push/DALI

**Rating system**

D71PV + D71/7DVW - D71/7DV 220-240 V ~ 50/60 Hz, 17+45W  
 D71P1V + D71/7DVW - D71/7DV 220-240 V ~ 50/60 Hz, 21+45W  
 D71CV + D71/7DVW - D71/7DV 220-240 V ~ 50/60 Hz, 18+45W  
 D71PV + D71/7DLW - D71/7DLV 220-240 V ~ 50/60 Hz, 17+45+25W  
 D71P1V + D71/7DLW - D71/7DLV 220-240 V ~ 50/60 Hz, 21+45+25W  
 D71CV + D71/7DLW - D71/7DLV 220-240 V ~ 50/60 Hz, 18+45+25W

**Materials**

Aluminium structure and textile

**Structure finishes**



CE

Reference code			
D71PV	1D710P0V0002	with LED 17W 3000K dimmable DALI	1.232 lm
D71P1V	1D710P1V0002	with LED 21W 3000K dimmable DALI	1.514 lm
D71CV	1D710C0V0002	with LED 18W 3000K dimmable DALI	1.303 lm
D71/7DV	1D71/7DV0002	direct LED 3000K	2.989 lm
D71/7DW	1D71/7Dw0002	direct LED 2700K	2.877 lm
D71/7DL	1D71/7DL0002	direct/indirect LED 3000K	2.889 + 2.852 lm (down + up)
D71/7DLW	1D71/7DLW002	dire/indire LED 2700K	2.877 + 2.714 lm (down + up)
D71/OAC	1D71/OAC0002	cover for D71CV	
D71/OAP	1D71/OAP0002	cover for D71PV	
D71/OAP1	1D71/OAP1002	cover for D71P1V	
D71PA	1D710P0A0002		
D71P1A	1D710P1A0002		
D71CA	1D710C0A0002		

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