





## WHAT IS LONGO?



Longo is a modular system consisting of sofas, operative and managerial desks, with storage solutions (cabinets, libraries) , accessories and sound absorbing panels which incorporate decorative accessories and items that inspire a cheerful environment.

The configuration of Longo stems from a solid extruded aluminium structure on which we attach the cast iron legs and endless possibilities to achieve the desired environment, always maintaining a unitary visual concept.

Longo enables more friendly, open and relaxed environments, where formal structures and dynamic spaces thrive to create a harmonious environment.

## MODULES WITHOUT DIVIDER

### Seats for Modules Without Divider

LN01



LN02



LN03

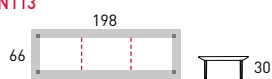


### Structure for Modules Without Divider

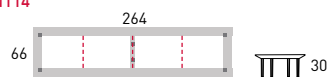
LN112



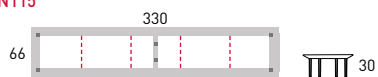
LN113



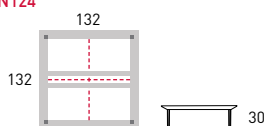
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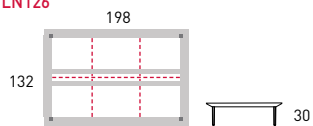
LN115



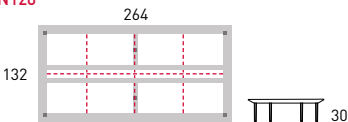
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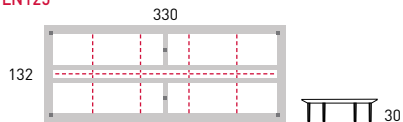
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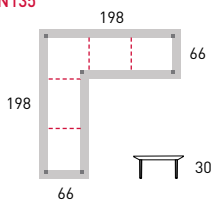
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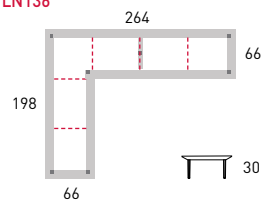
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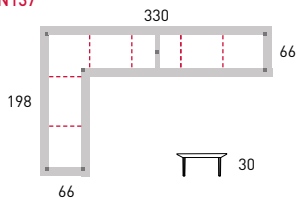
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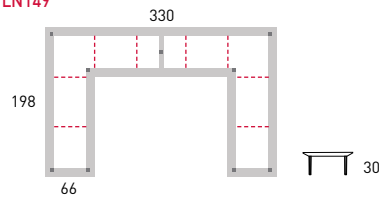
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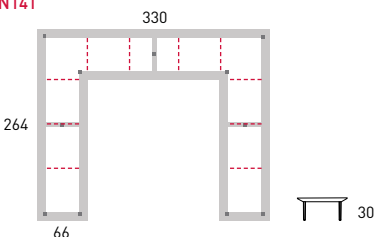
LN137



LN149



LN141



## MODULES WITH LOW DIVIDER

### Seats for Modules With Low Divider

LN02



LN04



### Low Dividers

LND450



LND459



Back and side Dividers

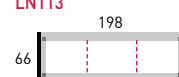
90° Corner Divider

### Structure for Modules With Low Divider

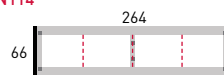
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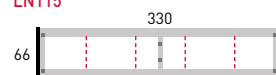
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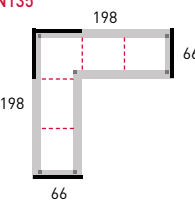
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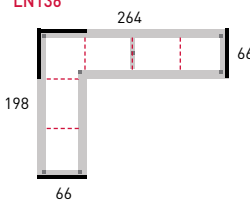
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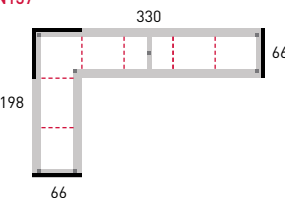
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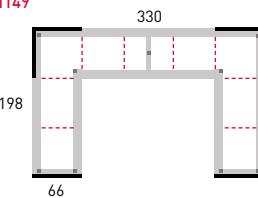
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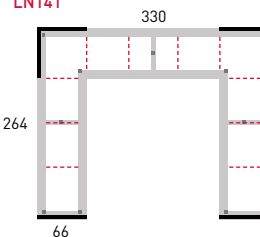
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LN149



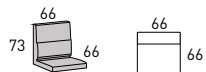
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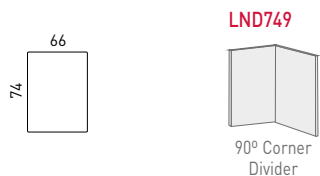
## MODULES WITH MEDIUM DIVIDER

### Seats for Modules With Medium Divider

LN03

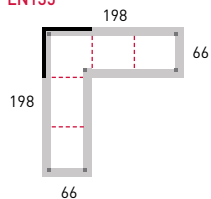


### Medium Dividers

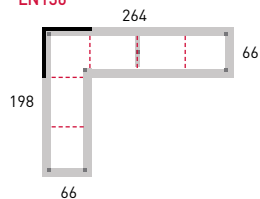


### Structure for Modules With Medium Divider

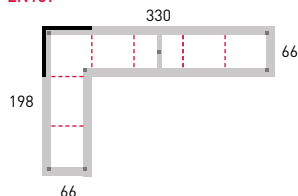
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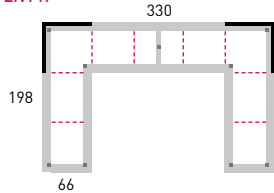
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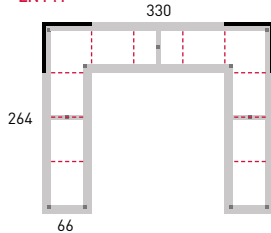
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LN149



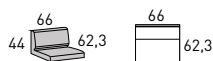
LN141



## MODULES WITH HIGH DIVIDER

### Seats for Modules With High Divider

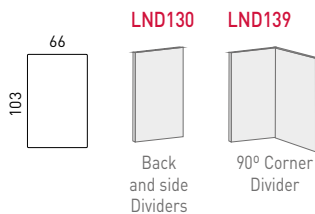
LN06



LN05



### High Dividers

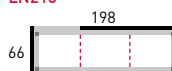


### Structure for Modules With High Divider

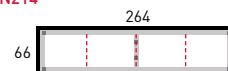
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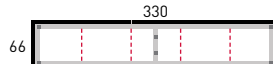
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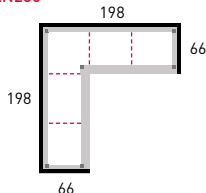
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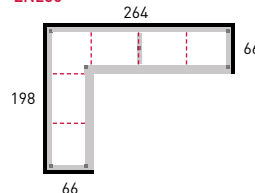
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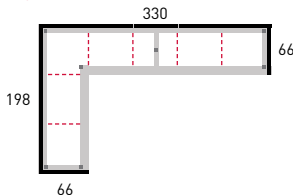
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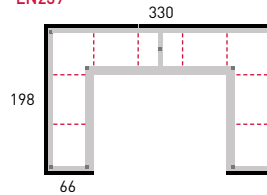
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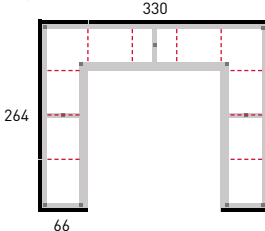
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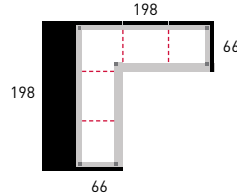
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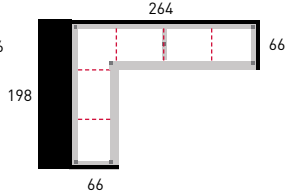
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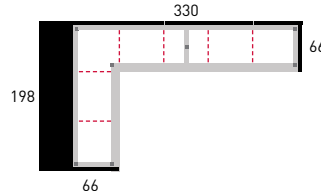
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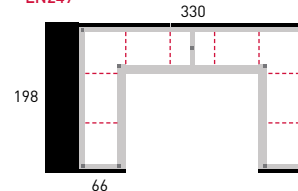
LN246



LN247



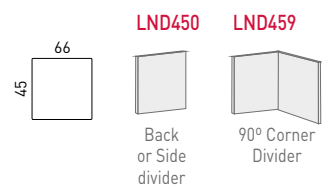
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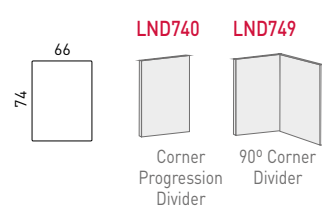
## TYPE OF DIVIDERS

Sin divisoria

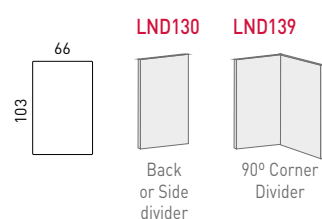
With low divider - 45 cm



With medium divider - 74 cm

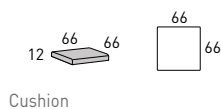


With high divider - 103 cm

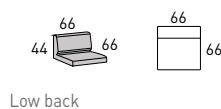


## TYPE OF SEAT

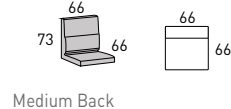
**LN01**



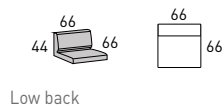
**LN02**



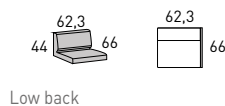
**LN03**



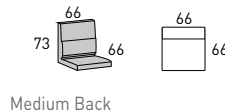
**LN02**



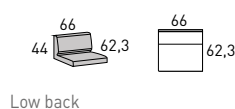
**LN04**



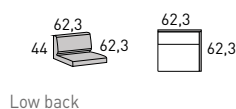
**LN03**



**LN06**



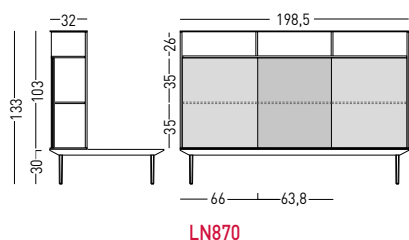
**LN05**



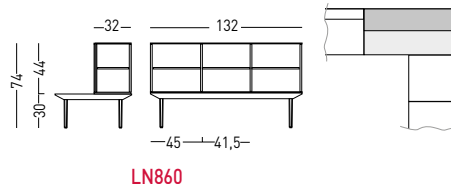
## SURFACES FOR USE IN STRUCTURE LONGO



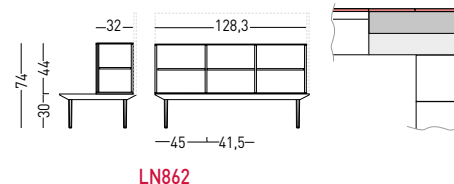
## CABINETS FOR USE ON STRUCTURE LONGO (include supporting surface)



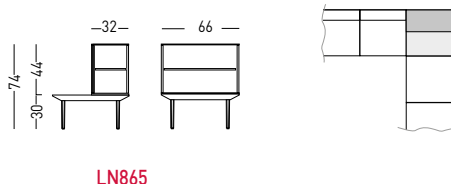
Using cabinet in corner - WITHOUT DIVIDER



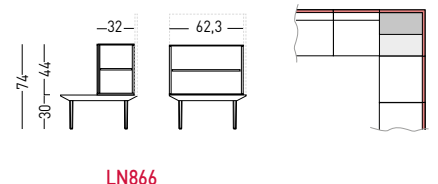
Using cabinet in corner - WITH 90° CORNER DIVIDER



Using cabinet in corner - WITHOUT DIVIDER

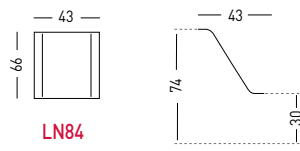


Using cabinet in corner - WITH 90° CORNER DIVIDER



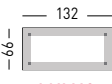
CONNECTION MODULE FOR 2 HEIGHTS (Table - Soft Seating)

TABLES FOR USE WITH CONNECTION MODULE FOR 2 HEIGHTS (See Longo Tables Program in Operative Desks)




LN84

CONTACT DESKS

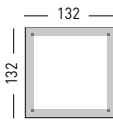


LNM63

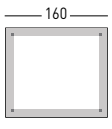


LNM65

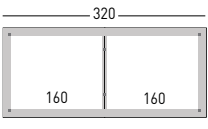
OPERATIVE TWIN DESKS



LNM53

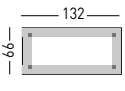


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


LNM58

COFFEE TABLES - 32 cm HEIGHT



LNM02



LNM03

3<sup>ed</sup> LEVEL ACCESSORIES

LKC10 Double coat rack



LKC20 Shelf - bottom 22cm



LKC30 Magazine rack - 32x42 cm



LKC40 Magnetic board - 40x42 cm  
(magnets not included)





## 1. ESTRUCTURE



### DESCRIPTION

- ① Metal structure based on the union of its three main parts, extruded profile, square and legs. All made of aluminum. On top of the structure modular elements are mounted that make each configuration unique.
- ② - **Cushions, low seats and middle seats** manufactured from injection foam 40kg / m3 available in quality upholstery, Melange (M), Napel (N) y Blazer (B)
- ③ - **Soundproofing screens.** Made of board and polyurethane foam, it is available in quality upholstery. Melange (M), Napel (N) y Blazer (B)
- ④ - **Individual and twin tables** made of melamine board. Available finishes: white, lime oak and chesnut.
- ⑤ - **Filing system** made of melamine and tempered glass. Available in different dimensions and melamine finishes: white, lime oak and chesnut.

### ESTRUCTURE

- **Structure** composed of extruded aluminum profiles finished with white epoxy paint, silver, black and black/polished. The profiles have a joint system recorded by Actiu which enables items to be linked and creates an infinite amount of configurations.
- **Cast aluminum legs** in a pyramid-shape, made of cast aluminum and finished with epoxy paint: white, silver, black and polished.
- **Joint brackets** made of cast aluminum, finished in white epoxy paint in finishes: white, silver, black and black/polished.

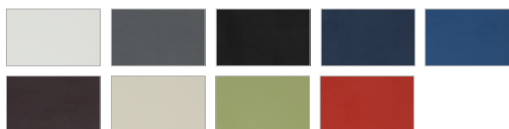


### FINISHES

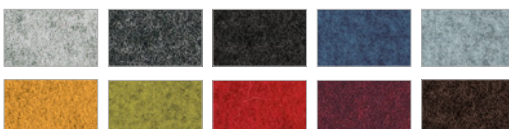
#### GROUP "M" - MELANGE



#### GROUP "N" - NAPEL



#### GROUP "B" - BLAZER



#### MELAMINE



#### ESTRUCTURE



#### ACCESSORIES



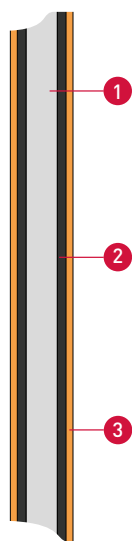
### LEG h32 cm



- **Die-cast aluminum leveler** with anti-slip sole.



## ■ ACOUSTICS



- ① 10 mm thick **Chipboard**
- ② **Foam** thickness  $e = 10$  mm and  $60 \text{ Kg/m}^3$  ( $e_{\text{total}} = 40$  mm) density
- ③ **decorative fabric** adhesives with glue to water
  - Possibility of sound **proofing and/or fireproof fabrics**, optional for projects

Actiu upholstered Index		
● <b>GROUP "B"</b>	BLAZER	Good sound absorption
● <b>GROUP "M"</b>	MELANGE	Average sound absorption M1 fire
● <b>GROUP "N"</b>	NAPEL	Moderate sound absorption

- **Finishes offered in Price List**

### CAUSES OF ACOUSTIC DISCOMFORT

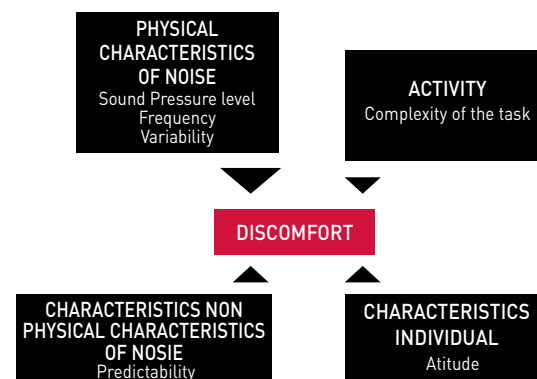
**Attitude of the subject.** Of its acceptability or not.

#### Physical characteristics of noise

- Types of tones. Pure tones (those that do not vary in frequency) more annoying than the compounds. Even more when aired on audible frequencies (500 – 2000 Hz)
- Frequency. More annoying high frequencies than low ones.
- Randomness. The variation in noise annoyance increases.

**Non physical characteristics.** Most annoying noise the less predictable.

**Type of activity.** Greater discomfort the greater need of concentration.



### ACOUSTIC ERGONOMICS AND COMFORT

Acoustic comfort is the sound level that does not disturb or bother or cause any harm direct to health.

#### ORIGIN OF ACOUSTIC DISCOMFORT

- eam working and equipment: photocopiers, CPU's, air conditioning, telephones...
- Open offices poorly designed with overstaffing
- External noise due to poor insulation of the building

#### CONTROL MEASURES

Controlling noise within teams

- Install printers and faxes in remote rooms and areas
- Using silent office equipment, by adding insulated housing
- Lower the intensity of telephones and communication devices
- Use doors with spring systems....

Control the noise within ventilation and air conditioning

Avoid noise transmission between units using insulating the walls

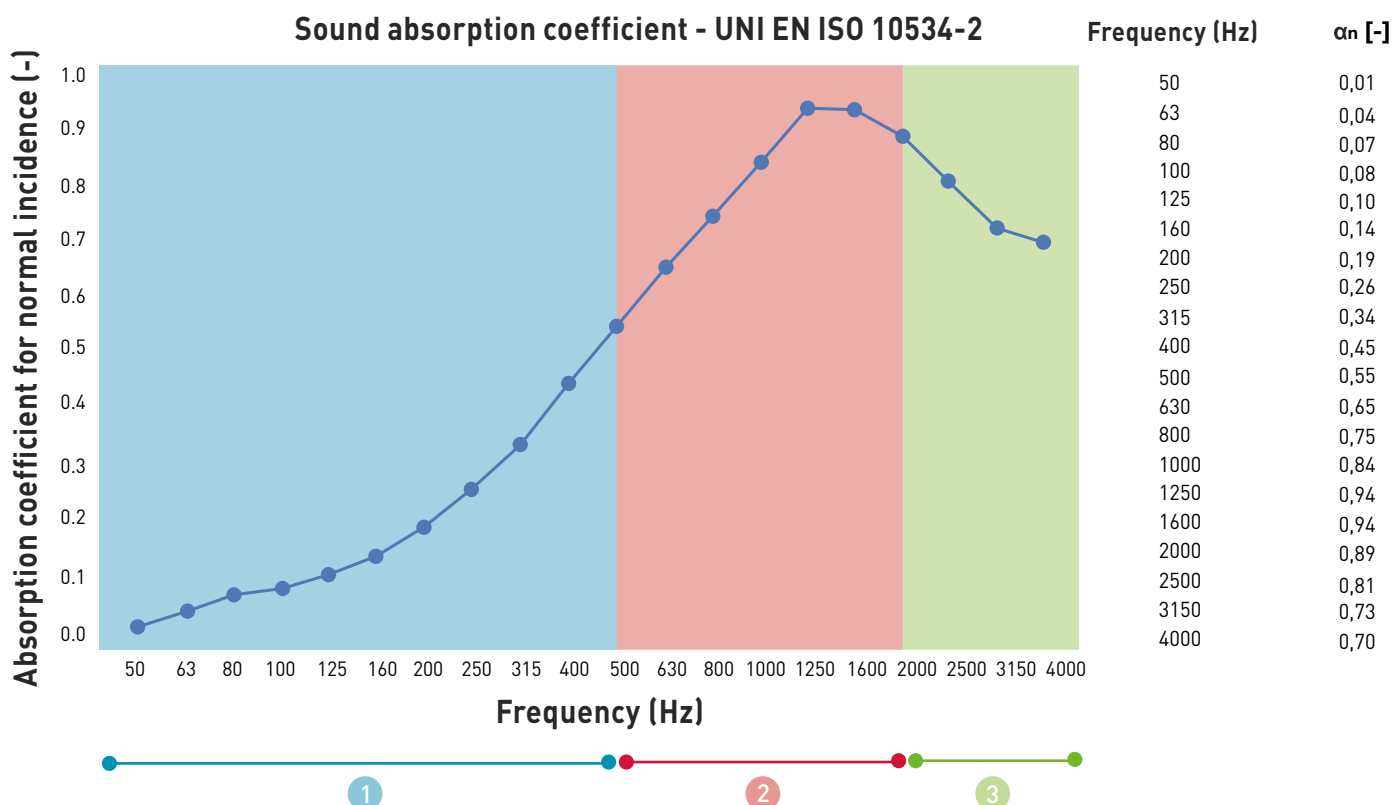
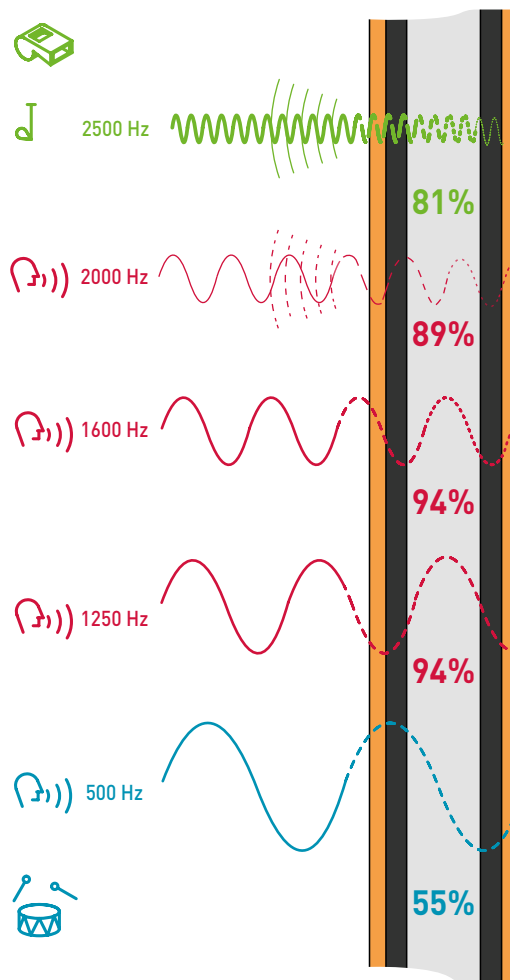
En el medio de propagación se recomienda:

- Place sound absorbing materials in the walls, ceilings and floors
- Surfaces that do not reflect too much. (Reverbatation Time  $\leq 1$  seg)
- Place absorbent panels between desks and workstations
- Provide office furniture that improves the acoustic behaviour of space, hollow ceilings, carpeted floor, upholstered chairs....
- Respect the local occupancy according to its volumen and its use
- Achieve quiet habits of conduct and communication



The graphics and image show how the panels, using Snowsound® technology, affect the acoustics of a room:

- 1 Notwithstanding the reduced thickness they do relatively well in absorbing the low frequencies (below 500 Hz), those that characterise deep sounds that are normally more difficult to dampen;
- 2 They absorb very well the midrange frequencies (between 500 and 2,000 Hz), those typical of the human voice and generally in all workplaces;
- 3 They tend to reflect, gradually absorbing less of the high frequencies (above 2,000 Hz), those which by their nature are already in large part absorbed by the walls, the furnishings and by the very presence of people. The result thus obtained is a comprehensive, natural balance of sounds in the environment.



The sound absorption coefficient for normal incidence was calculated in Kundt's tube prepared according to the standard **UNI EN ISO 10534-2**, test executed by Materiacustica, a spin-off company of the University of Ferrara.

## ■ ERGONOMICS

**LONGO** available for all type of users. Perfect for any need and keep user's posture in a natural way without any manual adjustment.

## ■ NORMS

**LONGO** has passed tests done in our technical department as well as the tests done in AIDIMA the Technological Institute for furniture:

- **UNE: EN 527-1:2003.** Office furniture. Work desk. Part 1: Dimensions.
- **UNE: EN 527-2:2003.** Office furniture. Work desk. Part 2: Mechanical safety requirements.
- **UNE: EN 527-3:2003.** Office furniture. Work desk. Part 3: Test methods for determining stability and the mechanical strength of the structure.

## ■ ECOLOGY

### ENERGY SAVING

The new technological production system included, reduce the energy resources used to manufacture each component. Materials are very well used to avoid wastes.

### RECYCLED AND RECYCABLE MATERIALS

ACTIU environmental policy opts to use recycled materials in those components where functionality and lasting is not a condition. Materials used in BADMINTON such as aluminium, steel or wood are totally recyclable.

### CERTIFICACIÓN SOSTENIBLE

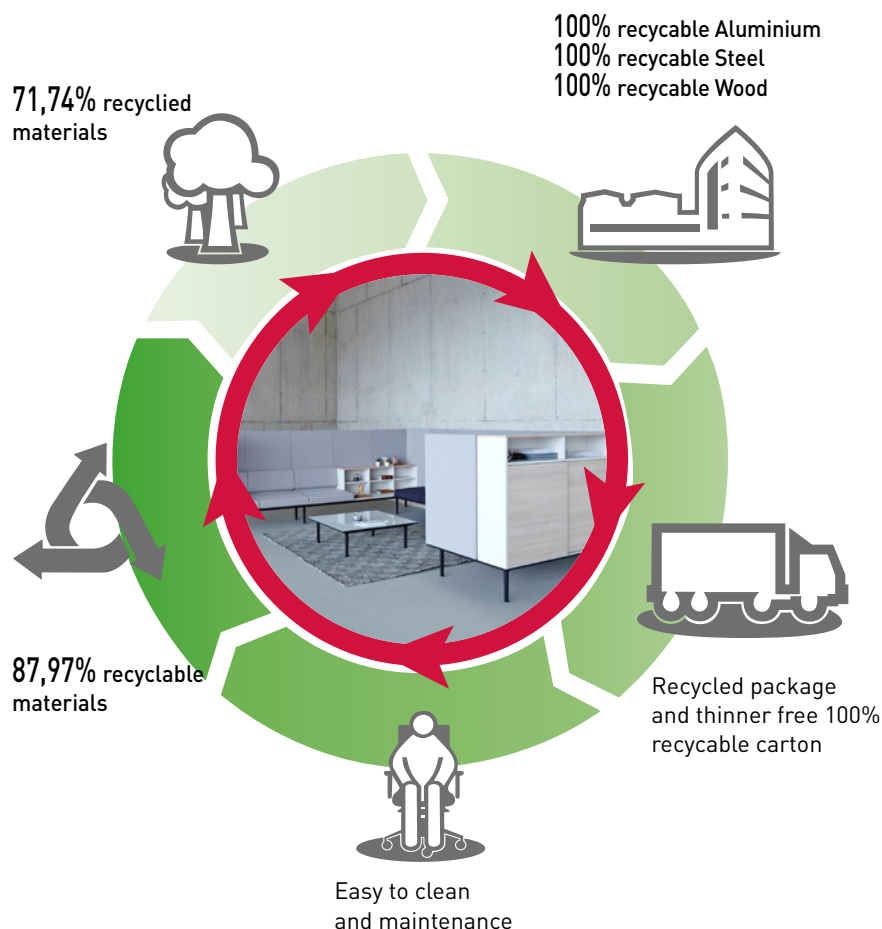
ACTIU dispone de los certificados **PEFC y FSC**, certificados que acreditan que la madera utilizada procede de explotaciones sostenibles y el **certificado de ECODISEÑO ISO 14006**.

## ■ REMARKABLE VALUES

- 1 - **LONGO** is 100% designed, made and assembled in Spain.
- 2 - The result is a program characterized by its balance based on excellent quality , as it is a product with full guarantees of use, with all functional features needed for office and contract use.
- 3 - High performance as absorbing solution. Quality sound performance with no reverb that provides maximum concentration
- 4 - Visual opening 180 that favors the connectivity and interaction with the environment dynamic and open concept , which allows the conversation , reading or using electronic devices.
- 5 - Auto - return system standard. Allows the seat back to its original orientation once the user stops use.
- 6 - Painting process:

Actiu painting plant has minimum environmental impact against the traditional industry processes.

Treatment is done by polarized coating and compacted with temperature. We get homogeneous and regular application with 98% of painting and the remaining 2% is used to produce other paints. Paints used are COVs free(Volatile Organic Components) which are very dangerous for the environment. All water used in the process is re-used, so we get zero dump. The process is free in heavy metal, phosphate, organic components and DQD (Biochemical demand of Oxygen). The program gives us an exact control of thickness, so it provides us with standard thickness (80-90 micron).



## MATERIALS

LONGO has been designed to be manufactured with recycled materials 71,74%, danger substances such as chrome, mercury or cadmium are not used in big quantity. Recycables Aluminium, Steel and Wood 100%. Organic volatile Components. Packages manufactured with recycled carton. Ink thinner free.



## PRODUCTION

Energy use is optimized during the production process. Minimum environmental impact. Last generation technological system in coating processes. Painting that have not been used is recovered to use it again. Zero COVs emissions and other contaminant gas. Close water circuit to clean the metals. Heat recovery. Automatic manufacture systems. Cut process is planned.



## TRANSPORT

Optimum packaging to reduce space in transport and save energy.



## USE

Long lasting use. Spare parts and replacements available. Easy to clean and maintenance..



## DISPOSAL

87,97 recycable. Easy and quick to split LONGO components. Packages are reuse by our supplier to avoid waste generation. Carton used in packages is recyclable.

## CERTIFICATES AND REFERENCES

The different programmes get points in different environmental categories to get the LEED certificate (sustainability, material and resources, water, energy and atmosphere, inner environment quality, innovation and design).



The mark of responsible forestry



PEFC Certificate



EN ISO 14006:2011  
ECODESIGN Certificate



UNE-EN ISO 9001:2008  
ISO 9001 Certificate



UNE-EN ISO 14001:2004  
ISO 14001 Certificate



E1 by  
EN 13986 Certificate



ACTIU TECHNOLOGICAL PARK  
project certified as LEED® GOLD  
by U.S. Green Building Council 2011  
Leadership in Energy & Environmental Design