best of NeoCon 2016 presented by contract

WHAT IS LONGO?

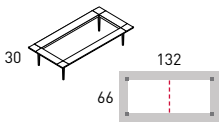
Longo is a modular system consisting of sofas, operative and managerial desks, with storage solutions (cabinets, libraries) , accessories and sound absorbing panels which incorporate decorative accessories and items that inspire a cheerful environment.

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.

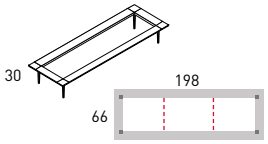
Longo enables more friendly, open and relaxed environments, where formal structures and dynamic spaces thrive to create a harmonious environment.

Modules Without Divider

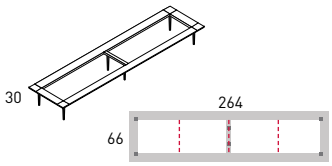
LN112



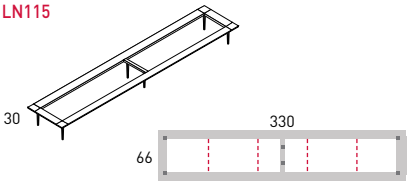
LN113



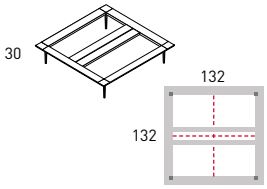
LN114



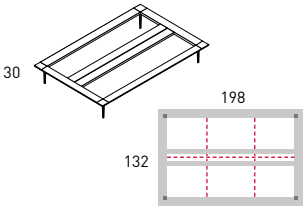
LN115



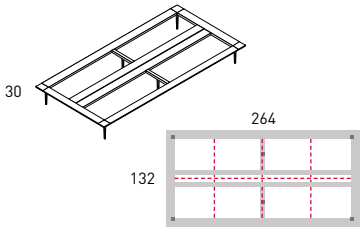
LN124



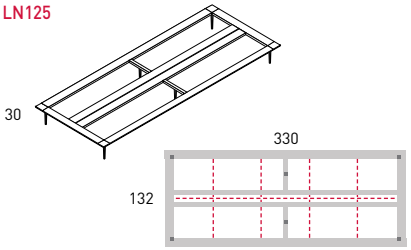
LN126



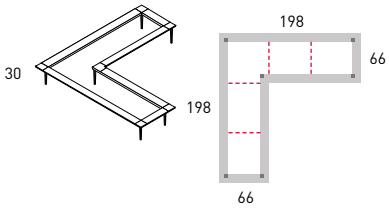
LN128



LN125



LN135



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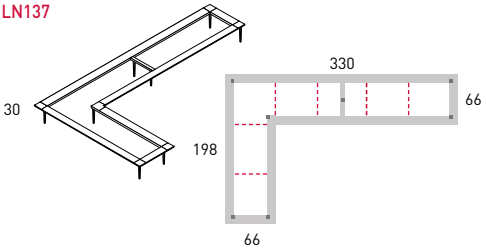
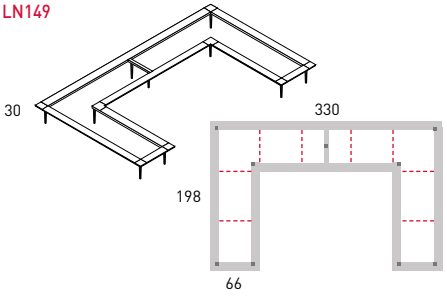
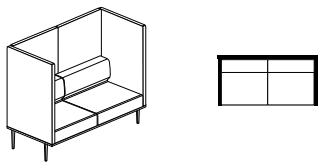


LN149

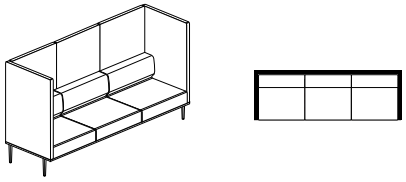


Modules With High Divider

LN212

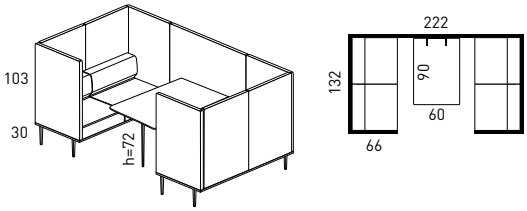


LN213

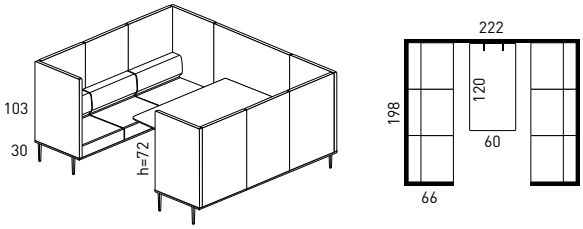


Longo Pod - Modules With High Divider and Table

LN4

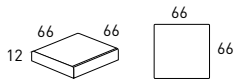


LN6



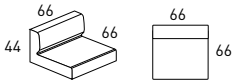
TYPE OF SEAT

LN01



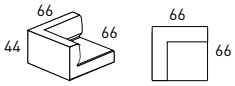
Cushion

LN02



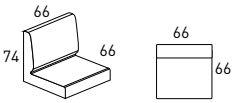
Low back

LN07



Low back for use in corner

LN03

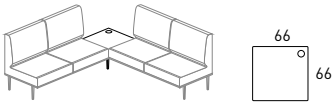


Medium Back

SURFACES FOR USE IN STRUCTURE LONGO

LN800

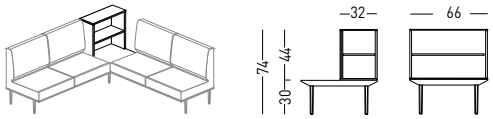
LN800..U



"U" Acces Wiring

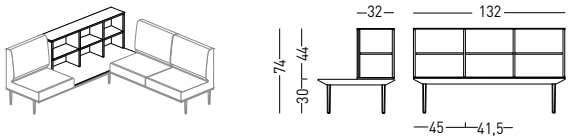
CABINETS FOR USE ON STRUCTURE LONGO (include supporting surface)

LN865



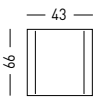
Using cabinet in corner - WITHOUT DIVIDER

LN860

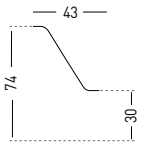


Using cabinet in corner - WITHOUT DIVIDER

CONNECTION MODULE FOR 2 HEIGHTS (Table - Soft Seating)

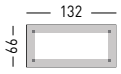


LN84



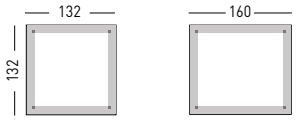
TABLES FOR USE WITH CONNECTION MODULE FOR 2 HEIGHTS **(See Longo Tables Program in Operative Desks)**

CONTACT DESKS



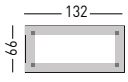
LNM63

OPERATIVE TWIN DESKS



LNM53 LNM55

COFFEE TABLES - 32 cm HEIGHT



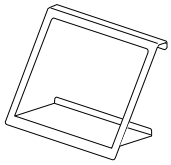
LNM02

LNM03

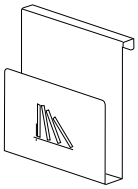
3ed LEVEL ACCESSORIES

LKC10 Double coat rack

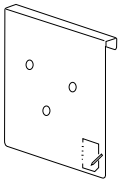
LKC20 Shelf - bottom 22cm



LKC30 Magazine rack - 32x42 cm



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



1. STRUCTURE

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 injected foam 40kg / m^3 available in quality upholstery, Melange (M), Napel (N) y Blazer (B)

3. - **Soundproofing screens.** Made of board and polyurethane foam, available in quality upholstery. Melange (M) and Blazer (B)

4. - **Individual tables** made of melamine board. Available finishes: white, lime oak and chesnut.

5. - **Filing system** made of melamine. Available in two different dimensions and melamine finishes: white, lime oak and chesnut.

STRUCTURE

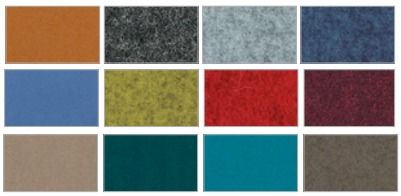
- **Structure** composed of extruded aluminum profiles finished with white epoxy paint, silver, black and black/polished. The profiles have a joint system recorded by Actiu which enables items to be linked and creates an infinite amount of configurations.
- **Cast aluminum legs** in a pyramid-shape,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

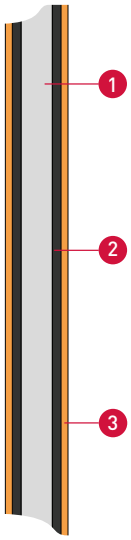
STRUCTURE

ACCESSORIES

LEG h30 cm

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

ACOUSTICS



(1) 10 mm thick **Chipboard**

(2) **Foam** thickness e= 10 mm and 60 Kg/m^3 (e_{total}= 40 mm) density

(3) **decorative fabric** adhesives with glue to water

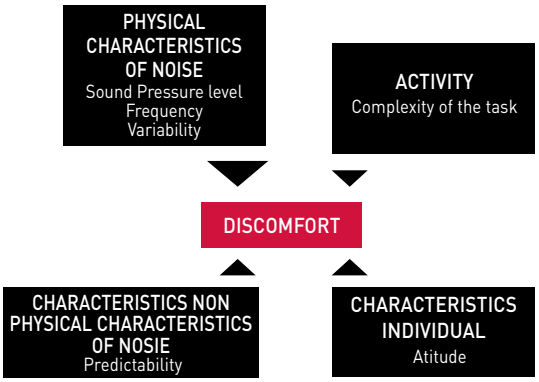
- Possibility of sound **proofing and/or fireproof fabrics,** optional for projects

Actiu upholstered Index		
● **GROUP "B"**	BLAZER	Good sound absorption
● **GROUP "M"**	MELANGE	Average sound absorption **M1** fire
● **GROUP "N"**	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 prdictable.
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 officespoorly 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

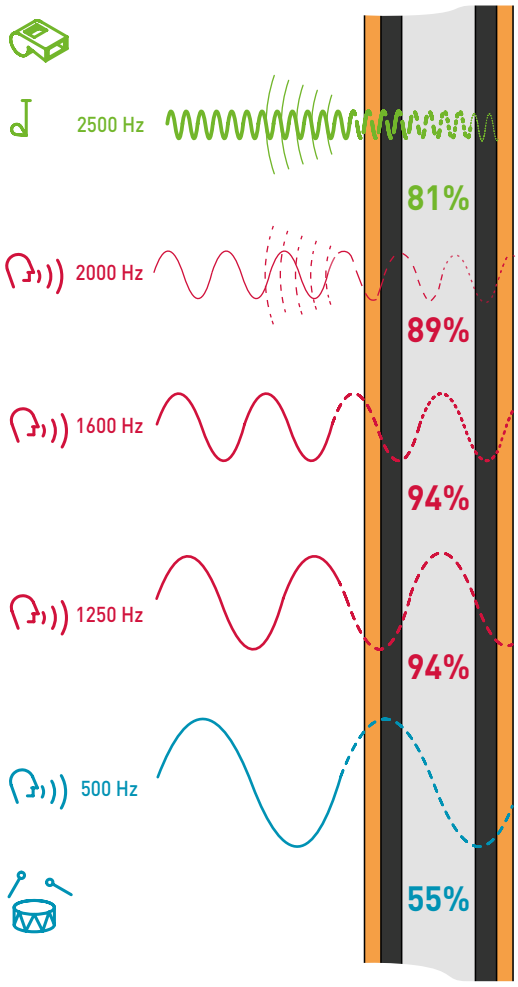
En el medio de propagación se recomienda:
· Place sound absorbing materials in the walls, ceilings and floors
· Surfaces that do not reflect too much. (Reverbatation Time ⩽ 1 seg)
· Place absorbent panels between desks and workstations
· Provide office furniture that improves the acoustic behaviour of 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

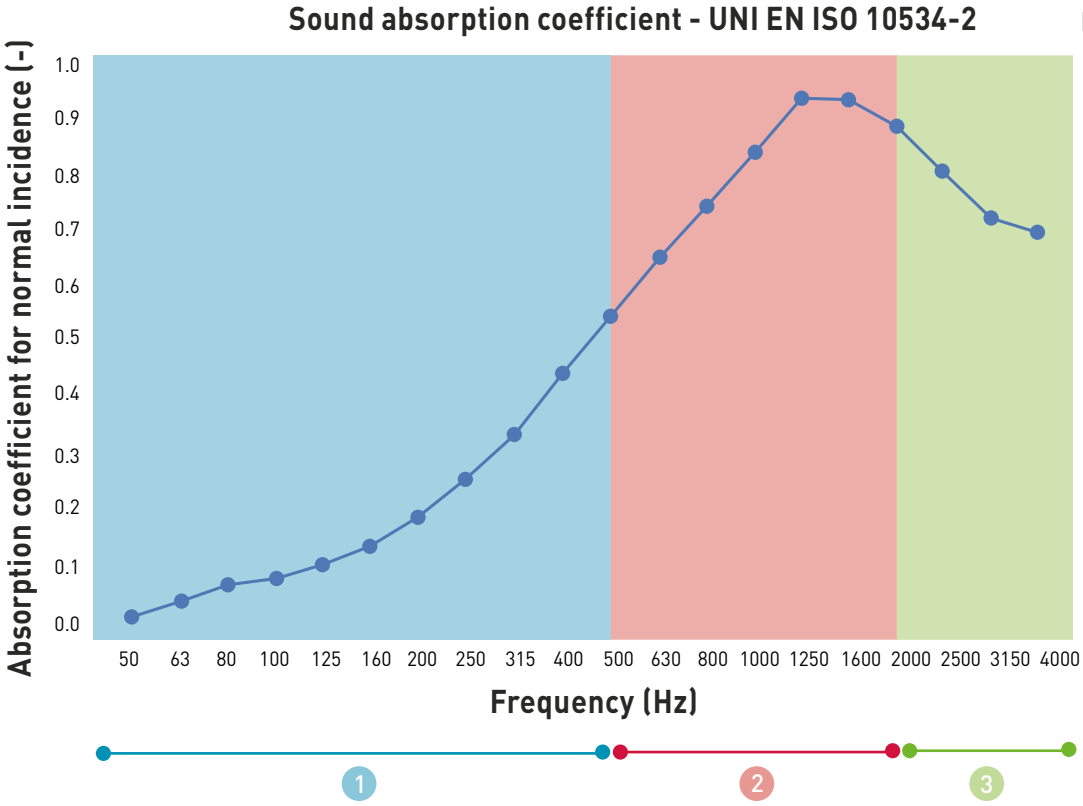
The graphics and image show how the panels, using Snowsound® technology, affect the acoustics of a room:

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.





Frequency (Hz)	αn [-]
50	0,01
63	0,04
80	0,07
100	0,08
125	0,10
160	0,14
200	0,19
250	0,26
315	0,34
400	0,45
500	0,55
630	0,65
800	0,75
1000	0,84
1250	0,94
1600	0,94
2000	0,89
2500	0,81
3150	0,73
4000	0,70

The sound absorption coefficientfor 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.

MATERIALS

Maximum use of materials to eliminate and minimize scraps. Use of recyclable and recycled materials in those components that do not affect the functionality and durability.

71,74%
RECYCLED MATERIALS

PRODUCTION

Maximum optimization of energy use. Minimal environmental impact. Last generation technological systems. Zero discharge of wastewater. No VOC coatings. Processes free of heavy metals, phosphates, OC and COD.

100%
RECYCLABLE
ALUMINIUM, STEEL & WOOD

TRANSPORT

Detachable systems. Volumes that facilitate the optimization of space. Maximum reduction of energy consumption by transport.

100%
RECYCLABLE
PACKAGE AND THINNER FREE

USE

Quality and warranty. Long lasting. Replacements available.

EASY
TO CLEAN AND MAINTAIN

DISPOSAL

Waste reduction. Supplier-manufacturer packaging reuse system. Components are easy to be separated. Inks in packaging are water-based, without solvents.

87,97%
RECYCLABLE MATERIALS

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).

FSC www.fsc.org FSC® C106678
The mark of responsable forestry

PEFC
PEFC/04-31-0782
PEFC Certificate

AENOR Ecodiseño ED-0011/2010
EN ISO 14006:2011
ECODESIGN Certificate

AENOR ER Empresa Registrada ER-0597/2001 — CERTIFIED IQNet QUALITY SYSTEM
UNE-EN ISO 9001:2008
ISO 9001 Certificate

AENOR Gestión Ambiental GA-2003/0202 — CERTIFIED IQNet MANAGEMENT SYSTEM
UNE-EN ISO 14001:2004
ISO 14001 Certificate

E1 EN 13986 — ACTIU PRODUCE Y UTILIZA TABLEROS CLASE E1 STANDARD - NORMA EUROPEA
E1 Certificate by EN 13986

U.S. GREEN BUILDING COUNCIL LEED GOLD USGBC
PARQUE TECNOLÓGICO ACTIU
proyecto certificado LEED® GOLD por el U.S. Green Building Council en 2011
Leadership in Energy & Environmental Design

NORMS

LONGO has passed tests done in our technical department as well as the tests done in **AIDIMA** the Technological Institute for furniture. The tests correspond to **UNE** standards and office desks:

Dividers

- UNE EN ISO 354:04. Acoustics.