Mondo
CONTRACT

X-LIGHT

BLACK OR WHITE NYLON STRUCTURE

HIGH AND LOW CHAIR AND CANTILEVER VERSIONS

MADE IN THE EUROPEAN UNION

The X-LIGHT represents renewal and what it means to be a chair in a working environment. It clearly speaks to the present from the future, bringing innovation from all angles.
Sinuous, light, technology... light but robust. A commitment from DILE to the progressive but constant renewal of its range, a statement of determination that will definitely convince you.
The mesh is available in white, black, grey, blue and red.

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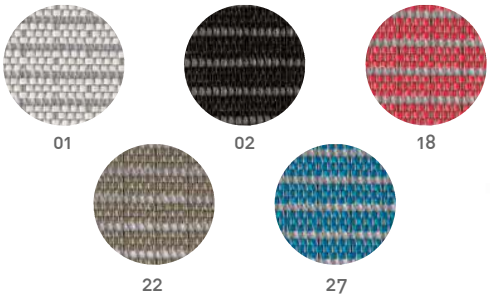
X-LIGHT
HIGH CHAIR / LOW CHAIR
SKU: DIMOLE-401-S2603

01.
Monocoque seat
Nylon PA 6.6 structure in white or black, depending on the base, reinforced with 30% fiber.

Highly resistant technical mesh backrest whose characteristics are:
Nylon PA 6.6 structure in white or black, depending on the base, reinforced with 30% fiber.
Colorfastness to rubbing (AATCC 8).
Tensile strength in warp
(ASTM D5034): 149.3 kg/inch.
Weft tensile strength
(ASTM D5034): 155.1 kg/inch.
Warp seam peel strength
(ASTM D434): 26.2 kg/inch.
Peel strength of framed seam
(ASTM D434): 29.6 kg/inch.
Breaking strength of warp seams
(ASTM D1683-04): 33.1 kg/inch.
Breaking strength of weft seams
(ASTM D1683-04): 44.8 kg/inch.
Warp tear strength (ASTM D2261): 30 kg/inch.
Weft tear strength (ASTM D2261): 37.7 kg/inch.
Breaking strength (ASTM D3787): 170.9 kg/inch.

Composition:
100% Elastomer (Hytrel) and nylon. A high quality material with a higher resistance than rubber, it offers flexibility and elastic memory, as well as mechanical resistance and friction properties.



04.
Gas column, bases and wheels
- Lifting using a class 3 black gas column (UNI 9084/02), tested for users weighing up to 120 kg.
- Polished aluminum base 70 cm diameter (ANSI-BIFMA X5.1-2011/7).
- Black nylon base of 68 cm diameter.
- White nylon base of 68 cm diameter.
- Double wheels of 65 mm diameter with soft ABS plastic band, hollow design and with a black polyurethane base.
The base connection bolt has a circular nylon ring to prevent noise when used on metal or aluminum bases.
- Optional: Anti-slip gliders in black nylon, depending on the base.

02.
Arms
Fixed armrests made of nylon PA 6.6 in white or black, depending on the base, reinforced with 30% fiber.

03.
Mechanisms
Advanced tilting
The swivel axis is moved forward, which means that when the mechanism is released (very distinguishable by its Z-shape), the foot contact with the floor remains undisturbed.
It has the following features:
- Lateral tension adjustment with only 16 rotations between minimum and maximum.
- 5 locking positions with non-return function.
- Particularly fluid and ergonomic movement.
- Up to 17° of seat oscillation.
- Synchronized movment with excellent balance (ratio 1,5:1).

Gas lift
The seat moves up and down by operating a lever on the bottom right of the seat.

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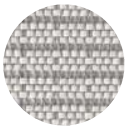
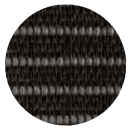
X-LIGHT
CANTILEVER
SKU: DIMOLE-401-S2614

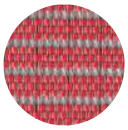
01.
Monocoque seat
Nylon PA 6.6 structure in white or black, depending on the base, reinforced with 30% fiber.

Highly resistant technical mesh backrest whose characteristics are:
Nylon PA 6.6 structure in white or black, depending on the base, reinforced with 30% fiber.
Colorfastness to rubbing (AATCC 8).
Tensile strength in warp (ASTM D5034): 149.3 kg/inch.
Weft tensile strength (ASTM D5034): 155.1 kg/inch.
Warp seam peel strength (ASTM D434): 26.2 kg/inch.
Peel strength of framed seam (ASTM D434): 29.6 kg/inch.
Breaking strength of warp seams (ASTM D1683-04): 33.1 kg/inch.
Breaking strength of weft seams (ASTM D1683-04): 44.8 kg/inch.
Warp tear strength (ASTM D2261): 30 kg/inch.
Weft tear strength (ASTM D2261): 37.7 kg/inch.
Breaking strength (ASTM D3787): 170.9 kg/inch.

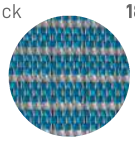
Composition:
100% Elastomer (Hytrel) and nylon. A high quality material with a higher resistance than rubber, it offers flexibility and elastic memory, as well as mechanical resistance and friction properties.


01 / White

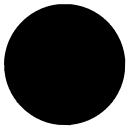

02 / Black


18 / Red

22 / Grey


27 / Sea blue

04.
Gas column and bases
- Lifting using a class 3 black gas column (UNI 9084/02), tested for users weighing up to 120 kg.
- 4-legged polished aluminum base with a diameter of 69 cm. With non-slip nylon caps.
- 4-legged aluminium base painted in black epoxy (RAL 9005) with a diameter of 69 cm. With non-slip nylon caps.
- 4-legged aluminium base painted in white epoxy (RAL 9010) with a diameter of 69 cm. With non-slip nylon caps.
The revolving system is accompanied by a white gas column. The gas lift mechanism is accompanied by a black gas column.


RAL 9005

RAL 9010

02.
Arms
Fixed armrests made of nylon PA 6.6 in white or black, depending on the base, reinforced with 30% fiber.

03.
Mechanisms
Revolving system (EN 1335 3/01 / UNI 9084/02)
Revolving cylinder with automatic centering, 360° rotation and cushioning. Height not adjustable. This mechanism allows the user to rotate the chair while seated. As soon as the user stands up from the chair, the cylinder automatically returns to its original position. Specially designed to maintain order in meeting and waiting areas. Only available with non-slip nylon caps.

Gas lift
The seat moves up and down by operating a lever on the bottom right of the seat.

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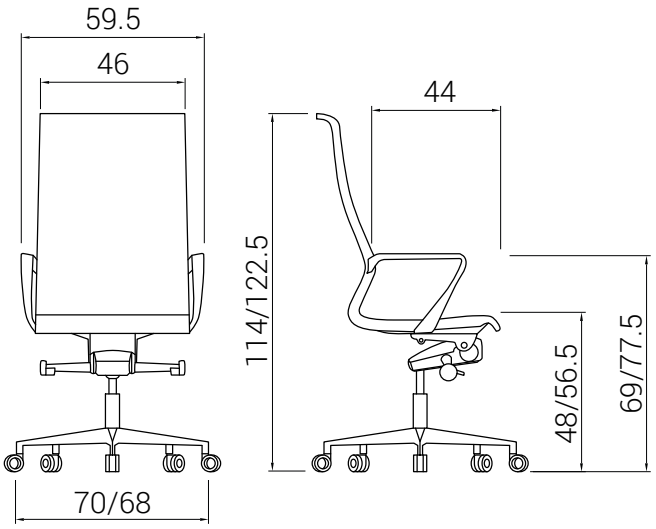
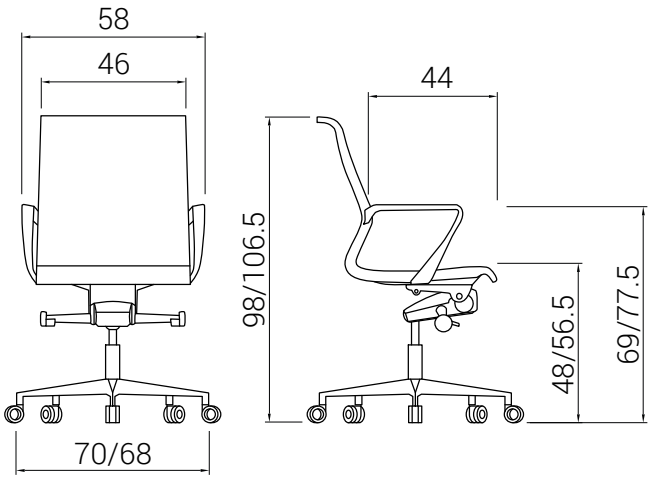
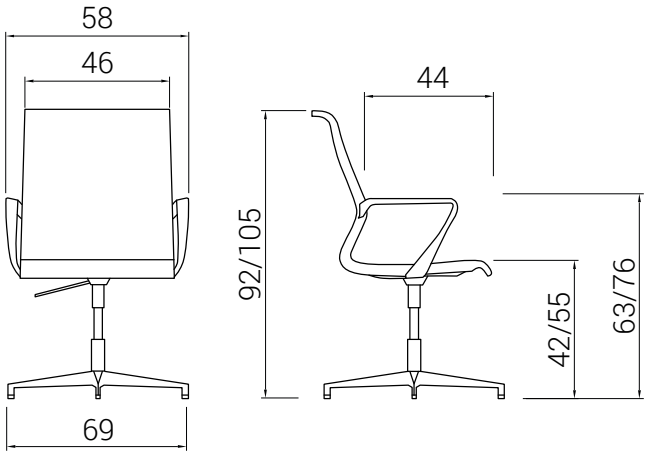
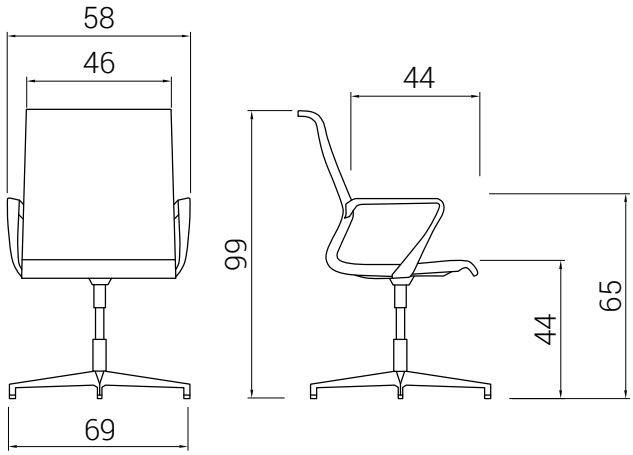
X-LIGHT
DIMENSIONS









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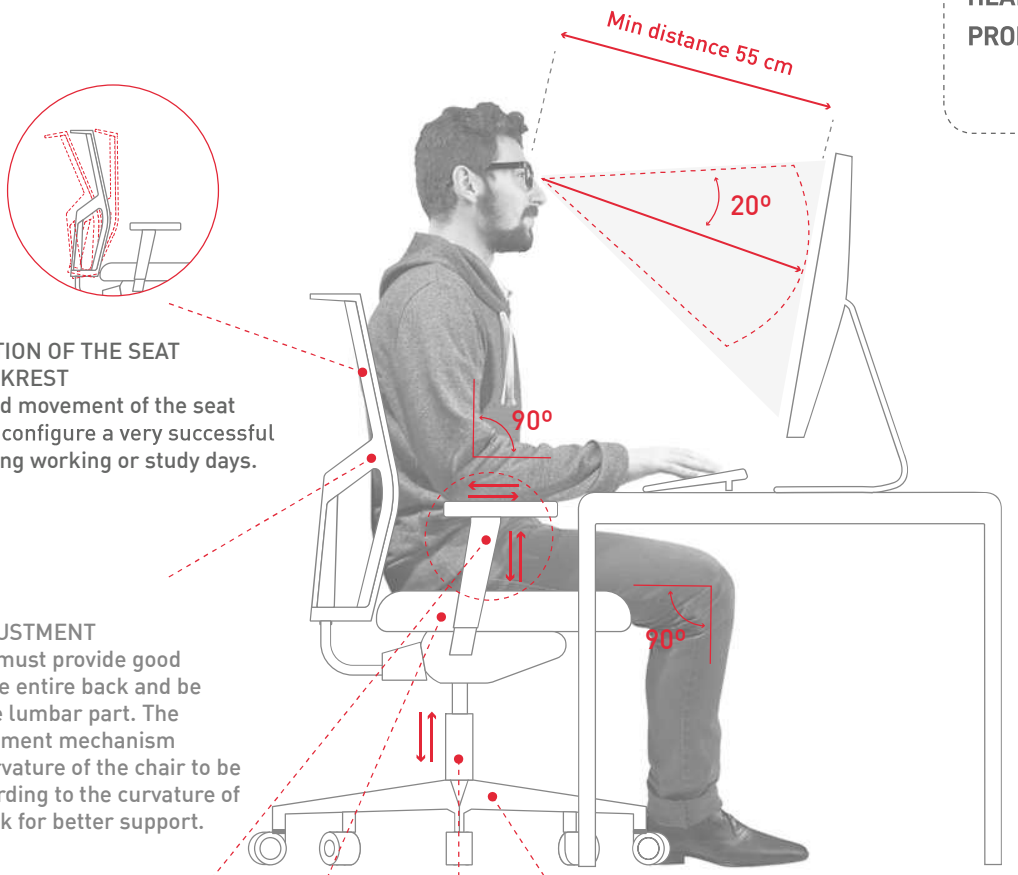
ERGONOMICS

GOOD POSTURE
IS ESSENTIAL
TO **AVOID**
HEALTH
PROBLEMS



01.
THE INCLINATION OF THE SEAT AND THE BACKREST
A synchronized movement of the seat and backrest, configure a very successful solution for long working or study days.

02.
LUMBAR ADJUSTMENT
The backrest must provide good support for the entire back and be adapted to the lumbar part. The lumbar adjustment mechanism allows the curvature of the chair to be adjusted according to the curvature of the user's back for better support.

03.
ADJUSTABLE ARMRESTS
The forearms should be parallel to the work surface and form a right angle with the arm.

04.
THE STRENGTH OF THE SEAT
The seat must offer firmness and adaptation to the user's physiognomy.

05.
CHAIR HEIGHT ADJUSTMENT
The possibility of adjusting the height allows for the correct posture, with the feet comfortably resting on the floor and the legs in a horizontal position.

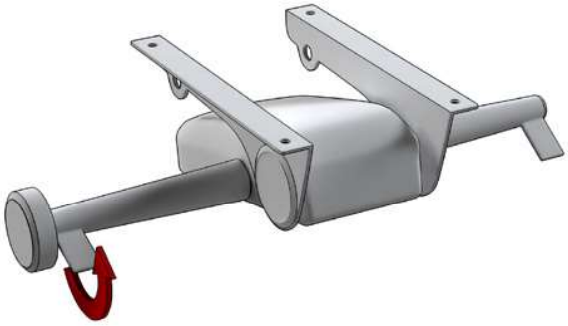
06.
BASES
The base of the chair should have 5 points of support for the wheels on the ground, to facilitate their movement with minimal effort.

07.
FABRIC
Depending on the area of use and climate, one fabric or another should be chosen.

"Don't forget to take a break to stretch and move around regularly"

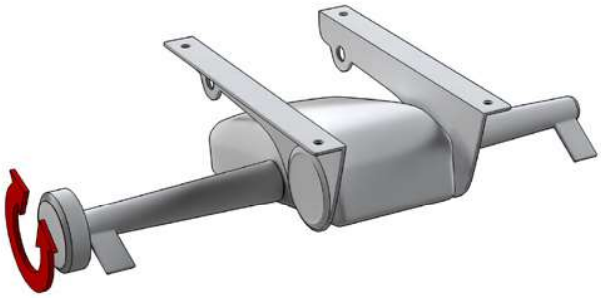
1. Mechanism

ADVANCED TILTING MECHANISM



GAS LIFT

By lifting the handle we unlock the gas column. Without weight the chair lifts up. With the user seated, the chair goes down. Once the handle is released, the gas column is blocked again.



TENSION ADJUSTMENT OF THE MONOCOQUE SEAT

At the end of the gas lift handle is a tension adjustment disc, depending on the user's weight. Turning the disc clockwise makes the monocoque seat more resistant to the weight of the back. Turning the disc counterclockwise makes it less resistant to back weight.

ADJUSTING THE TILT OF THE MONOCOQUE SEAT

By raising the lever, the mechanism is released and the monocoque seat tilts under the weight of the back. By lowering the lever, the monocoque seat is locked in the desired position. To unlock it, simply lift the lever and apply weight with your back.

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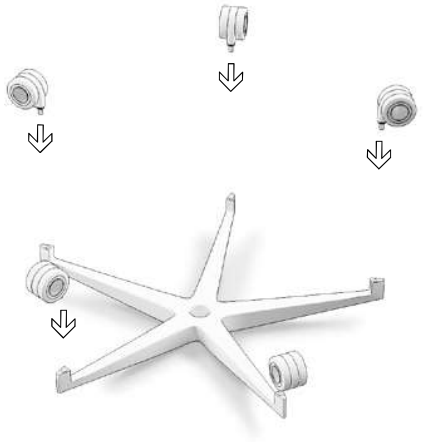
X-LIGHT
ASSEMBLY INSTRUCTIONS

5x 1x 1x 4x 1x 1x

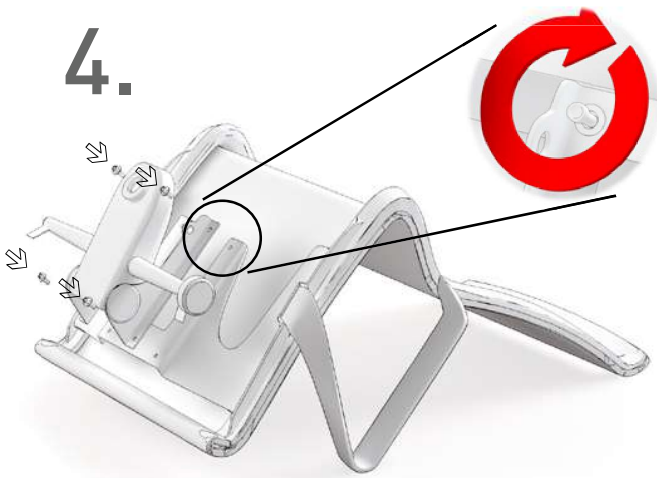
1.



2.

3.

4.



5.