



# iProfili

FLEXIBLE TRACKS AND STUDS  
FOR PLASTERBOARD

**The innovative  
Flexible System**

to give shape to your imagination!



## INDEX

- 4 Flexible system
- 5 Installation advantages
- 7 **COBRA** Flexible track
- 11 **CONCAV & CONVEX** Studs
- 15 **BLEND** Flexible Lighting
- 17 Technical datasheets
- 22 Weight and dimensions



## I PROFILI

### Our Company

Thanks to the previous experience of the owner in the sector of dry construction and interiors-exterior finishing, **I Profili Srl**, founded in 2011, specialises in the production of **flexible zinc-coated steel profiles** for the construction of **curved plasterboard structures**.

Our products are **certified** and **patented** according to the European standards for walls and ceilings, and they are essential in curved plasterboard installations, such as curved walls, domes, barrel vaults, cross vaults, columns, arches, curved ceilings, etc.

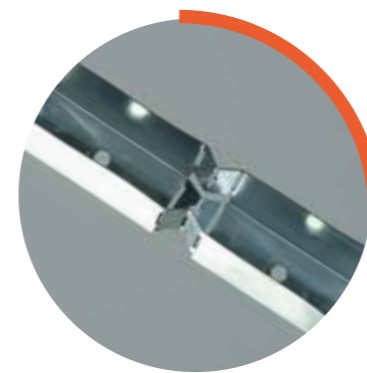
# The only limit?

## Your imagination!

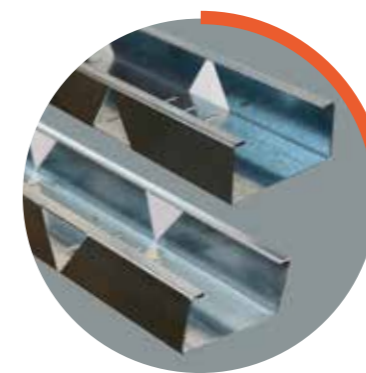
I Profili offers solutions that can be adapted to the design and the construction of unique details with an **innovative flexible system**, simplifying the realisation of refined decorations, reducing the time of installation and improving the final results.

Thanks to the range of I Profili's **patented** and **certified products**, you can easily create curved walls, domes, barrel vaults, cross vaults, columns, arches, curved ceilings, wavy ceilings, curved veils, made of plasterboard, and the only limit will be your imagination!

The **INNOVATIVE SYSTEM** is composed by:



**COBRA**  
Flexible tracks

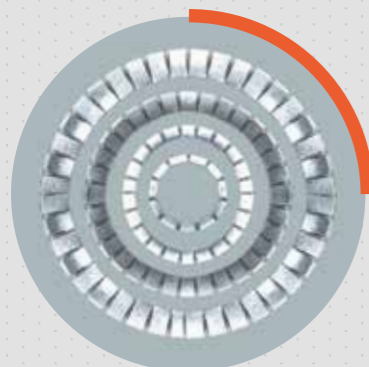


**CONCAV & CONVEX**  
Studs



**BLEND**  
Flexible LED bar

### Installation ADVANTAGES



Profiles are so **flexible**, that they can realise curves of different radius, allowing an **easy creation** of suspended curved ceilings, domes, barrel vaults, cross vaults, wavy ceilings, etc.



They can easily be **bent by hand** in all directions. Once bent, they **keep the desired curvature**, and they do not need any additional fastening tools to strengthen the structure.



They can easily be bent by hand and fastened to the wall by **just one person**, reducing the installation time of all the curved structures with a significant cost savings of manpower.



The continuous surface of their structure always guarantees a **secure fixing** point for the screws and a perfect adherence of the sheets of plasterboard, reaching a clean and linear aesthetic result.



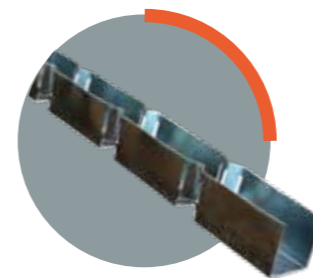
## COBRA

### Flexible track

**COBRA Flexible Tracks** are deformable profiles essential for the realisation of curved walls and curved plasterboard ceilings.

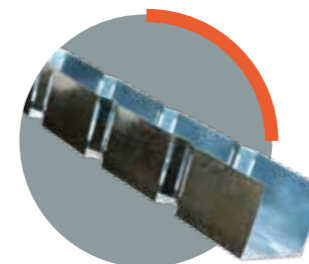
Carefully thought, COBRA tracks can create curves of different radius into different shapes. They are certified according to the **14195 and 13964 European standards**, for walls and ceilings. In addition, they can be used as perimeter profiles and starting point of **CONCAV & CONVEX Flexible Studs**, to obtain different kind of vaults and ceilings.

**COBRA tracks** are made of **Z140 zinc-coated steel**, with a thickness of 0,6 mm according to the **EN 10346 and EN 10143 standards**. They have a fire reaction class A1 and they are available in five different sizes:



#### COBRA 30 MM

30 x 28 x 3000 mm  
Thickness 0,6 mm



#### COBRA 50 MM

40 x 50 x 3000 mm  
Thickness 0,6 mm



#### COBRA 70 MM

40 x 70 x 3000 mm  
Thickness 0,6 mm



#### COBRA 75 MM

40 x 75 x 3000 mm  
Thickness 0,6 mm



#### COBRA 100 MM

40 x 100 x 3000 mm  
Thickness 0,6 mm



Standard vertical studs easily slide inside the COBRA Flexible tracks creating a curved wall and, once in the desired position, they **lock automatically perpendicularly**.



COBRA Track can create **curves of different radius**, even within the same curve, such as arches, semicircles, S-curves, curved partitions, curved walls etc.

Once fixed to the wall, the sides of COBRA Tracks can be bent to the **required angle**, as a starting point for CONCAV & CONVEX Flexible Studs, in order to facilitate the creation of sloped ceilings, domes, vaults, curved walls, cone, etc.



COBRA track 30 mm can be used as a **perimeter profile**, as a starting point for the creation of curved ceilings, with the help of CONCAV & CONVEX Studs (wavy ceilings, barrel vaults, domes, etc.).





## CONCAV & CONVEX

### Flexible Studs

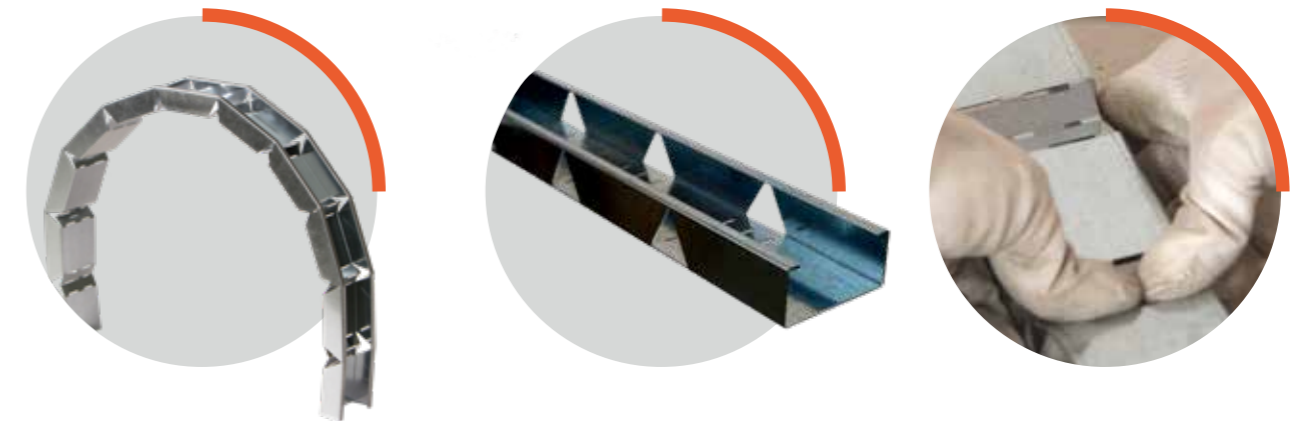
**CONCAV & CONVEX Flexible Studs** are special profiles designed for curved plasterboard ceilings.

**CONCAV & CONVEX** are made of Z140 zinc-coated steel, with a thickness of 0,6 mm and they are manufactured according to **EN 10346** and **EN 10143 European standards**. They are certified according to 14195 and 13964 European' standards, both for walls and ceilings. They can be used in addition to COBRA 30 mm Flexible Tracks (used as perimeter) and the Studs have a fire reaction class A1.

#### CONCAV STUD

It is designed for the construction of concave elements such as barrel vaults, arches, cross vaults, domes, pavilion vaults, etc.

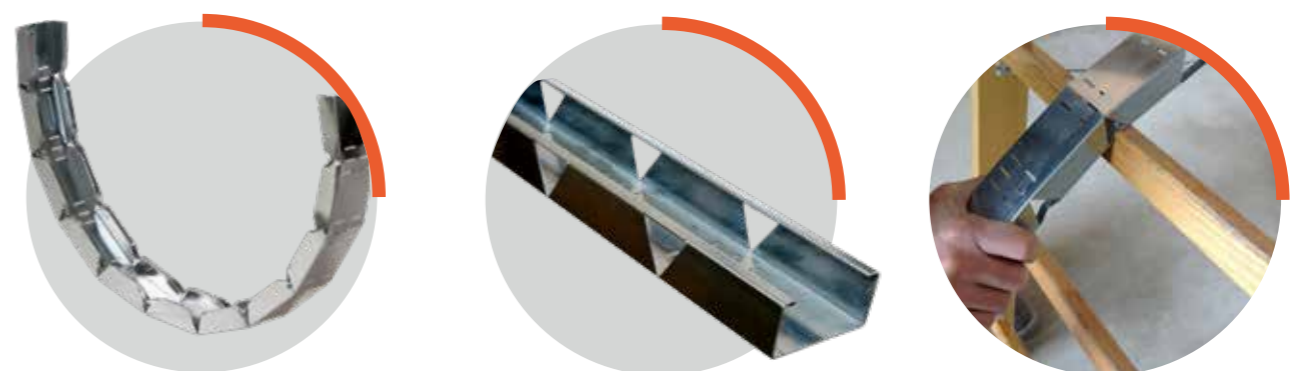
*Dimensions 60 x 27 x 3000 mm*  
*Thickness 0,6 mm*



#### CONVEX STUD

It is ideal to create convex elements, with the curve facing outwards, as for the creation of waves and cornices. In addition, they are useful for covering ventilation conducts, beams, corners and columns, improving acoustic comfort and obtaining an aesthetically appealing result.

*Dimensions 60 x 27 x 3000 mm*  
*Thickness 0,6 mm*



Their peculiar structure allows you to easily create curved false ceilings, domes, barrel vaults, cross vaults, wavy ceilings, with different radius of curvature.

They can easily be **bent by hand**, by one person.

The standard accessories 60x27mm (channel hangers, channel connectors and spring hooks) can be used for the construction of plasterboard structures with our Flexible Studs. The structures are built with a **double metal framework**, using channel hangers like those used for the realisation of a flat false ceiling.



Just insert CONCAV & CONVEX Flexible Studs inside COBRA 30 mm Flexible Track (bent according to the desired angle), to connect the wall to the ceiling.

CONCAV & CONVEX Flexible Studs guarantee a **perfect stability of the structure** and the required construction time are equal to those needed to create a flat false ceiling.

**The plasterboard sheets perfectly adhere to the metal structure**, following the curvature, thanks to the stability of the Flexible Studs and the optimal interax of the secondary structure. We recommend to use sheets of 6 mm plasterboard to ensure a perfect curvature, alternatively, we suggest to moisten the sheets beforehand to facilitate their bending.



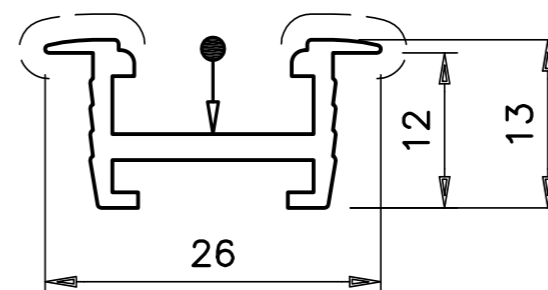
## BLEND

### Flexible Lighting

**BLEND** is a **flush flexible aluminum profile** ideal for lighting with LED stripes. It can be adapted and shaped to any type of support, a wall or a ceiling, even to create curving shapes. It is flexible and adaptable, which is why it can be a design applique or it can be hung up as a hanging chandelier.

**BLEND**, once easily installed, perfectly adheres to the sheet of plasterboard and this obtain an aesthetically pleasing and minimal result, called flush, following the trends of the moment.

The product is completed with several accessories, including 90 ° angles, linear connection joints and orthogonal joints, allowing the connection among the profiles.





**DATASHEET**  
**COBRA Flexible Track**

CHARACTERISTIC	VALUE	UNIT OF MEASUREMENT	REGULATIONS
Steel type	DX51D	-	EN10346
Fire reaction	A1	-	EN 14195
Thickness	0,6	mm	EN10143
Protective coating class	Z140	-	EN10346
Tensile enervation	300	N/mm <sup>2</sup>	EN10143
Storage	Protect from atmospheric agents		

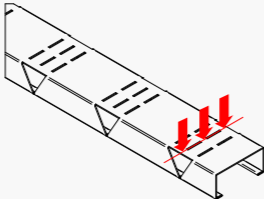
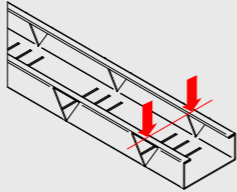
NAME	DIMENSIONS	TECHNICAL DRAWING	
COBRA 30 mm	3000 x 30 x 28 mm min. radius 100 mm		
COBRA 50 mm	3000 x 50 x 40 mm min. radius 200 mm		
COBRA 70 mm	3000 x 70 x 40 mm min. radius 300 mm		
COBRA 75 mm	3000 x 75 x 40 mm min. radius 300 mm		
COBRA 100 mm	3000 x 100 x 40 mm min. radius 450 mm		

*The company I PROFILI SRL declines any responsibility for failing to respect the correct distances between the suspended structures (framework) and/or hangers (fixing elements to the main structure) in relation to the hung weight loads (coverings and other kinds of loads).*

DATASHEETS

Flexible Studs CONCAV & CONVEX

CHARACTERISTIC	VALUE	UNIT OF MEASUREMENT	REGULATION
Steel type	DX51D	-	EN10346
Fire reaction	A1	-	EN 14195
Thickness	0,6	mm	EN10143
Protective coating class	Z140	-	EN10346
Tensile enervation	300	N/mm²	EN10143
Storage	Protect from atmospheric agents		

NAME	DIMENSIONS	TECHNICAL DRAWING
CONCAV 60 x 27 mm	3000 x 60 x 27 mm min. radius 110 mm	
CONVEX 60 x 27 mm	3000 x 60 x 27 mm min. radius 110 mm	

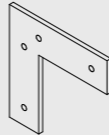
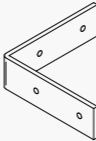
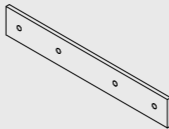
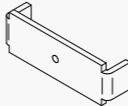
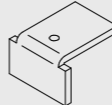
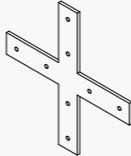
The company I PROFILI SRL declines any responsibility for failing to respect the correct distances between the suspended structures (framework) and/or hangers (fixing elements to the main structure) in relation to the hung weight loads (coverings and other kinds of loads).

DATASHEET

BLEND

COMPONENTS	DESCRIPTION	DIMENSIONS
BLEND LED bar	flush flexible aluminum profile in which you can insert LED stripes	2000 m
Opaline cover diffuser	transparent plastic cover of the LED stripes	same lenght as the profile

BLEND Accessories

PHOTOGRAFIC RELIEF	COMPONENTS	DESCRIPTION	DIMENSIONS
	Angular joint	Flat Angular joint that allows the connection between two different bars, creating a flat corner	50 x 50 mm
	Orthogonal joint	Orthogonal joint that allows the connection between two different bars at 90°, connecting wall-ceiling	50 x 50 mm
	Linear joint	Linear joint that allows the connection of two different bars	100 mm
	Suspension accessory	Accessory that allows you to hang the profile as an hanging chandelier	50 mm
	End cap	Accessory that closes the profiles sideways	Same dimension of the aluminium profiles
	Cross joint	Accessory that allows the cross connection of four different profiles	110 x 110 mm

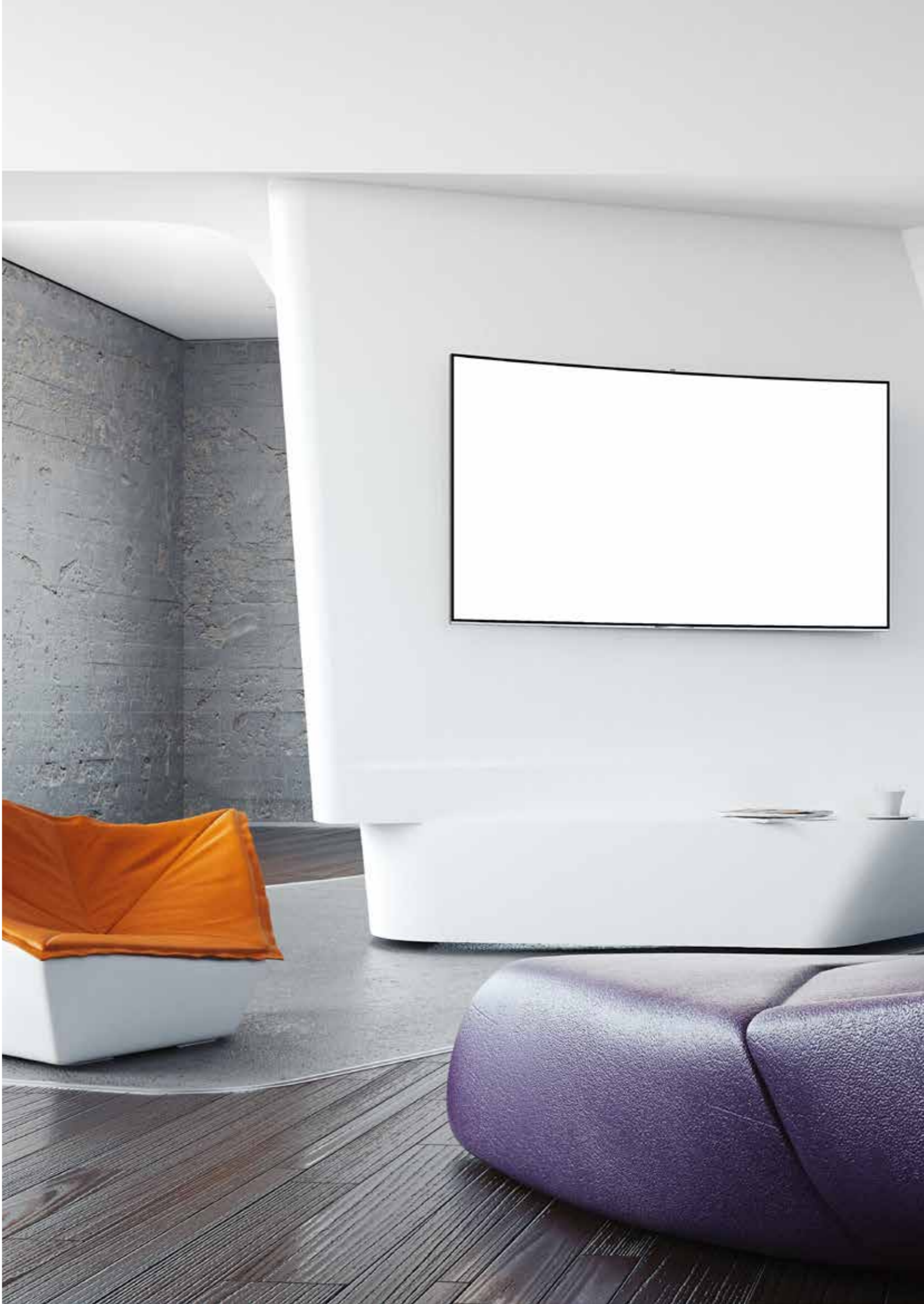
WEIGHT AND DIMENSIONS

Pallet

PRODUCT NAME	LENGHT CM	WIDTH CM	HEIGHT CM	VOLUME MC	N° LINEAR METRES	N° PIECES	N° CLUSTER	WOODEN PALLET WEIGHT KG	FULL PALLET WEIGHT KG
COBRA 30 mm	300	64,5	23	0,42	600	200	25	23	239
COBRA 50 mm	300	55,5	51	0,84	600	200	25	19,5	343,5
COBRA 70 mm	300	80	51	1,22	600	200	25	27,5	387,5
COBRA 75 mm	300	80	51	1,22	600	200	25	27,5	411,5
COBRA 100 mm	300	105	51	1,6	600	200	25	36	480
CONCAV 60 x 27 mm	300	55,5	45	0,74	576	192	24	19,5	365,1
CONVEX 60 x 27 mm	300	55,5	45	0,74	576	192	24	19,5	365,1

Clusters

PRODUCT NAME	LENGHT CM	WIDTH CM	HEIGHT CM	VOLUME MC	N° LINEAR METRES	N° PIECES	SINGLE PIECE WEIGHT KG	FULL CLUSTER WEIGH KG
COBRA 30 mm	300	13	3,5	0,01	24	8	1,08	8,64
COBRA 50 mm	300	11,5	10	0,03	24	8	1,62	12,96
COBRA 70 mm	300	15,5	8	0,04	24	8	1,80	14,40
COBRA 75 mm	300	16	9,5	0,05	24	8	1,92	15,36
COBRA 100 mm	300	21	8,5	0,05	24	8	2,22	17,76
CONCAV 60 x 27 mm	300	14,5	5,5	0,02	24	8	1,80	14,40
CONVEX 60 x 27 mm	300	14,5	5,5	0,02	24	8	1,80	14,40
BLEND	203	13	8	0.21		20	0.5	10



# iProfili

## HEAD OFFICE

Via Emilia 37, 35043 Monselice (PD), Italy

## REGISTERED OFFICE

Corso Milano 106, 35139 PADOVA, Italy

VAT N°: 04532250281

PEC: [iprofili@pec.it](mailto:iprofili@pec.it)

[generalinfo@iprofili.com](mailto:generalinfo@iprofili.com)

Tel: +39 049 9100424

[www.iprofili.com](http://www.iprofili.com)



[I PROFILI](#)



[I Profili srl](#)



[@IPROFILI](#)