

FLOS



FLOS

It's an exposure stand designed for the Universal exhibition EXPO 2015 in Milan with the aim of bringing people closer to the design world.

FLOS

Brand chosen for its achievements in Italy and abroad in the light design field.

FLOSophy

Company's philosophy:

The future is written, reading the past and expressing the present, in a continuity of concrete challenges and bold choices that have shaped our image and identity.

INNOVATION AND RELATIONSHIP WITH THE PRODUCT
ARE THE SPIRIT OF WORK.



CONCEPT

The project consists in positioning a giant Taccia lamp in the Duca d'Aosta square of Milan, leaving a clear-cut imprint of the company, thus giving to Milan city a symbol and cultural icon.



WHY TACCIA?

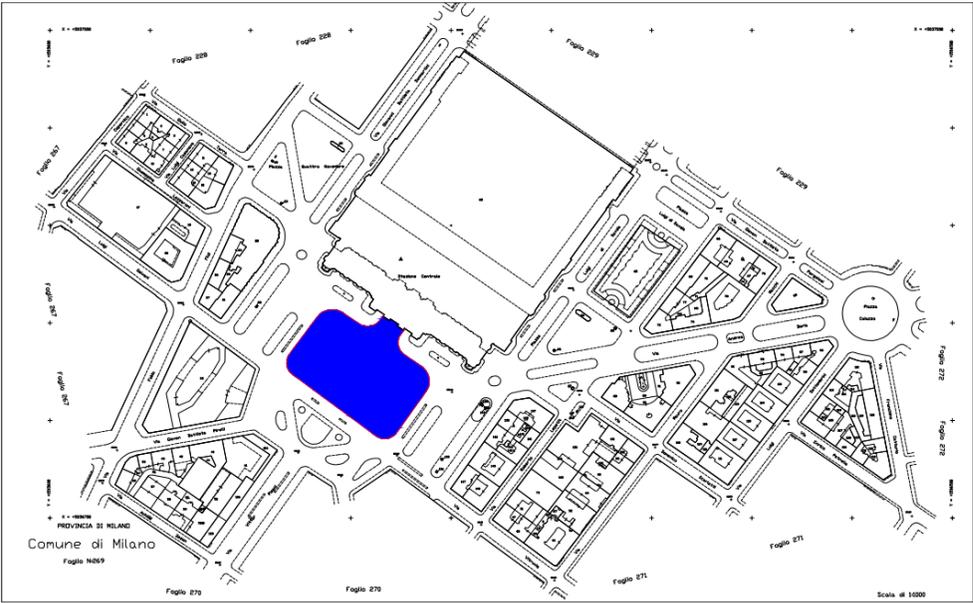
TACCIA is considered the "leading lamp" of the company, it represents FLOS for the few pieces that make it up, for its history and its aesthetic that comes from function.



TACCIA TODAY is seen as a true design icon and it's nowadays synonymous of culture, prestige and elegance.

LOCATION

The stand is located in the Duca d'Aosta square of Milan, always crowded and constantly moving thanks to the Milan's main railway station linking national and international routes, ideal for multicultural crossings that will be born during the Expo 2015



AREA OF INTERVENTION

SCALE 1:1'000

The TACCIA's base will be positioned on the structural element in the square that currently has the task of hosting stairs and elevator.



MATERIALS AND COMPONENTS



LAMP

The Taccia lamp consists mainly of three easily removable components, independent of each other;



STAND

Taccia's replica respects the main components of the lamp with a variation in the materials.



SYSTEM

The GONFIABLE SYSTEM will include the following components:

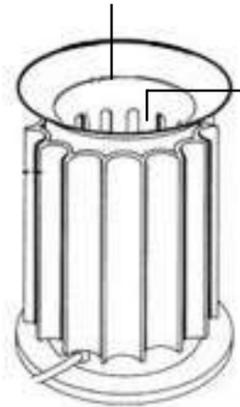
- 1. Air Compressor;
- 2. Cord / tube fires air;
- 3. Unidirectional non-return valve (to avoid the return of air and any deflating)
- 4. A female connector for connecting the cord to the valve.

The plant will be manufactured by ENERI, for the production of any type of inflatable, assisting the customer from design, offering advanced and unique technological solutions.

In addition to the inflatable system there will also be an ELECTRICAL SYSTEM for supplying the LED lighting that will give light to the lamp.



LED LIGHT DISC



ELECTRIC COMPRESSOR FOR INFLATABLE WITH AIR CORD.

INFLATABLE

The system and the inflatable will be made and sealed in order to avoid the deflation, even if partial, of the structure.

1. Air Compressor



2. Cord / tube fires air



3. Unidirectional valve



LIGHTING

The lighting system is made up of a LED lighting disc that will provide enormous energy savings compared to traditional halogen lamps, saving up to 1/10.

WHY LED? : because led are ideal for lighting inflatables because they do not develop heat .



Clara lamp-by Flos

DIMENSIONS

CALCULATION OF PARAMETERS:

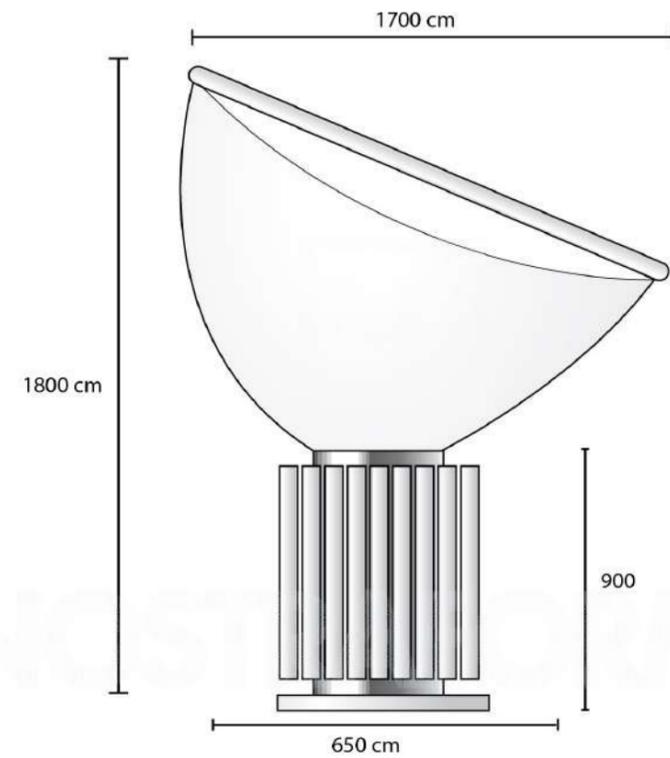
VOLUME :

$$V_{\text{SPHERE}} = \frac{4}{3} \cdot \pi \cdot r^3$$

$$V_{\text{SPHERE}} = \frac{4}{3} \cdot \pi \cdot 8^3 = 2'150 \text{ m}^3$$

VOLUME FLOW RATE:

$$Q = \text{VOLUME} / \text{TIME} = \text{l/min}$$



ILLUSTRATION



