
Boltons
Herzog & de Meuron
Artemide®

Author

Herzog & de Meuron

Established in Basel in 1978, Herzog & de Meuron is a partnership led by Jacques Herzog and Pierre de Meuron together with Senior Partners Christine Binswanger, Ascan Mergenthaler, Stefan Marbach, Esther Zumsteg, and Jason Frantzen. An international team of nearly 500 collaborators including the two Founders, five Senior Partners, nine Partners, and 42 Associates works on projects across Europe, the Americas and Asia. The main office is in Basel with additional offices in London, New York, Hong Kong, Berlin and Copenhagen.

The practice has designed a wide range of projects from the small scale of a private home to the large scale of urban design. Many projects are highly recognized public facilities, such as museums, stadiums, and hospitals, and they have completed distinguished private projects including offices, laboratories and apartment buildings. Awards received include the Pritzker Architecture Prize (USA) in 2001, the RIBA Royal Gold Medal (UK), the Praemium Imperiale (Japan), both in 2007, and the Mies Crown Hall Americas Prize (USA) in 2014.



Boltons

Herzog & de Meuron
2024

Boltons is a masterful fusion of a patented optical study and the intriguing beauty of handcrafted glass. Its transparent structure elegantly supports an adjustable metal disc, creating a harmonious dialogue between shapes and materials that captivates the eye.

Every detail is conceived to balance engineering precision with artisanal expertise, where optical performance, freedom of adjustment, and the expressive qualities of glass come together in a refined and intuitive lighting experience.

PATENT OF
INVENTION

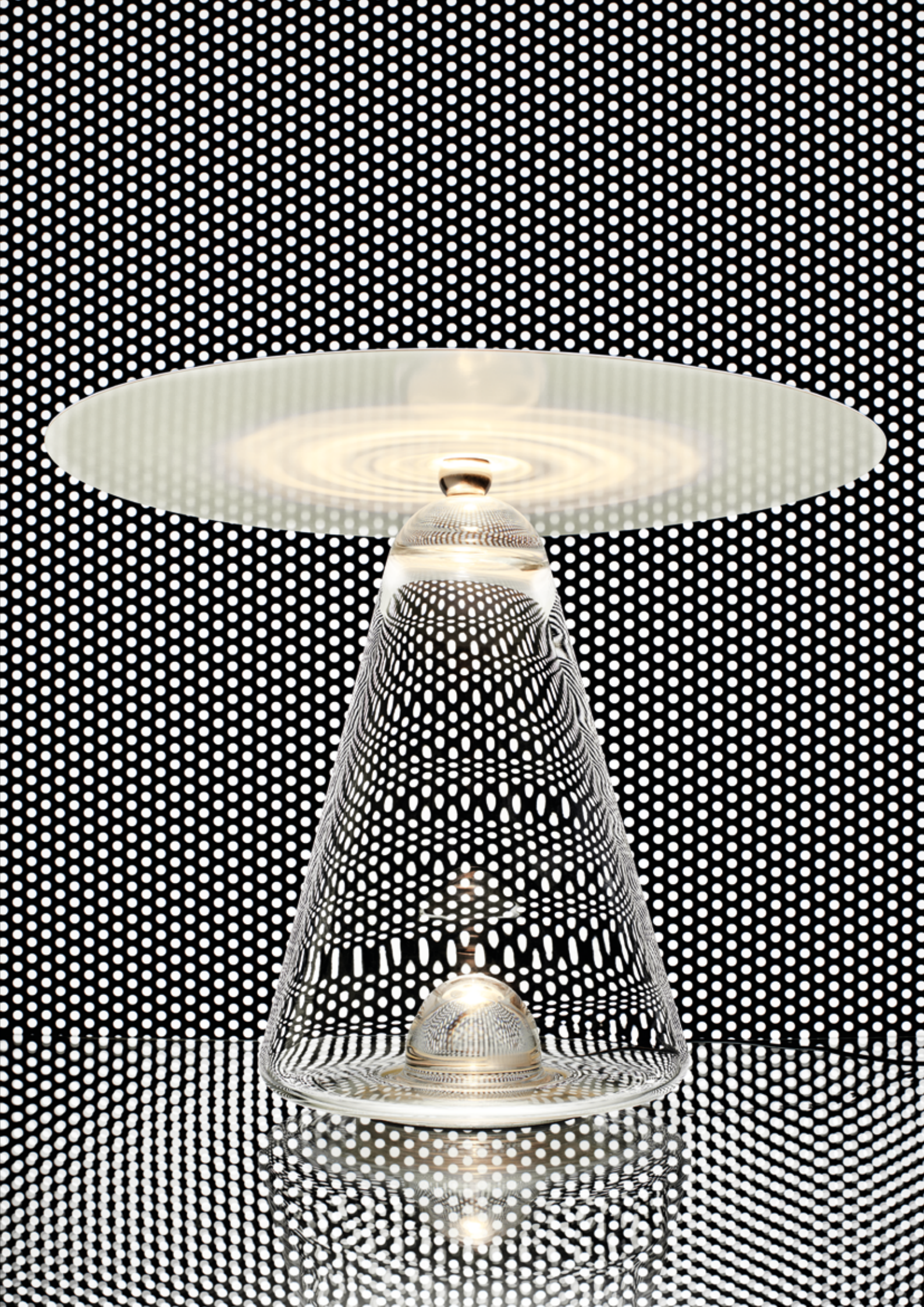
For further information on Boltons
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“The Boltons lamp, consisting of a light source encased within a hand-blown artisanal glass body that directs the light to an adjustable reflector, encourages engagement and exploration of fundamental lighting principles.
Boltons’ idea materializes core aspects of illumination.”

Herzog & de Meuron

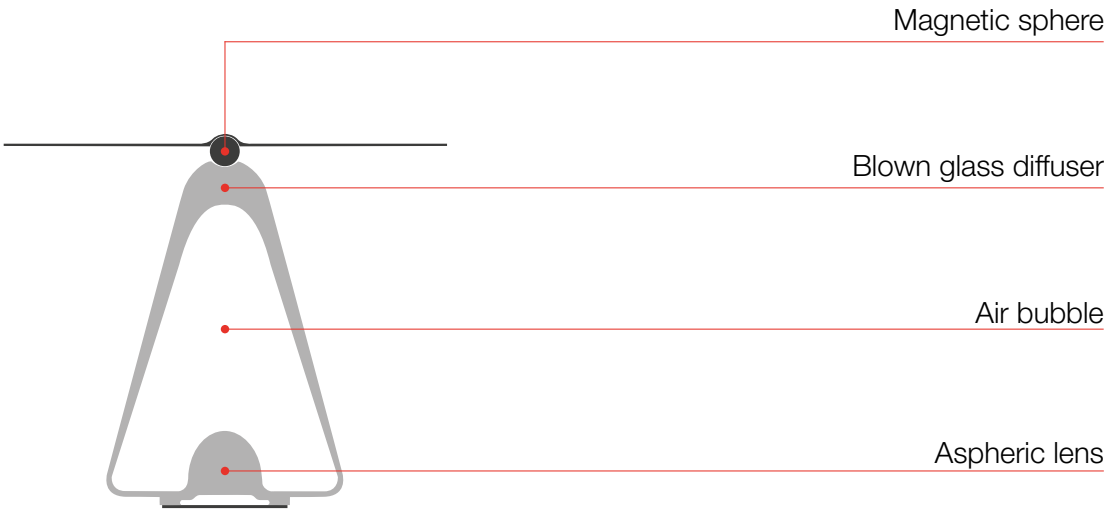
Photo by Pierpaolo Ferrari



Craftsmanship diffuser

The lamp body is formed using a traditional glassmaking technique that reveals its natural variations in thickness, which are more substantial at the top and gradually become thinner along the sides, where the material stretches and tapers under the force of the glassblower's breath. This distinctive manufacturing process contributes to the optical properties of the diffuser while highlighting the craftsmanship behind each piece.

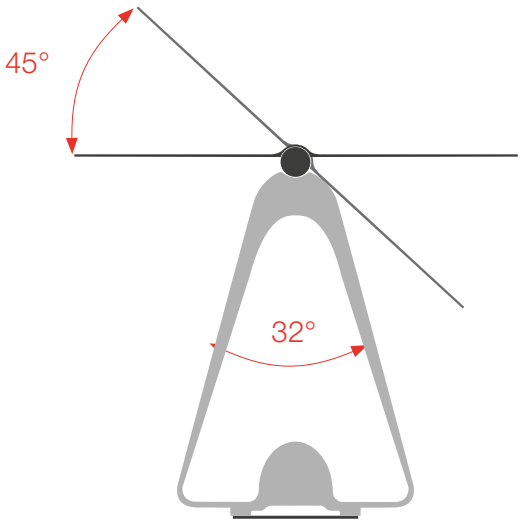
A lens integrated into the base directs the light upward with precision. The upper disc reflects and redistributes the emitted light, allowing the luminous effect to vary according to its inclination and ensuring controlled illumination of the surrounding surfaces.





Freedom of movement

The sophisticated geometry of the glass gives Boltons an extraordinary freedom of movement for the upper reflector, which is secured by a precision-engineered magnetic sphere.
As the light beam passes through the glass body, the material generates subtle internal reflections without affecting the efficiency of the optical system. Carefully engineered optical components, combined with refined glassmaking techniques, result in precise light control while emphasizing the quality of the manufacturing process.



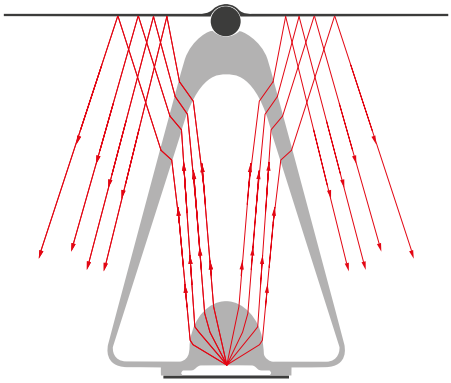


Patent optical design

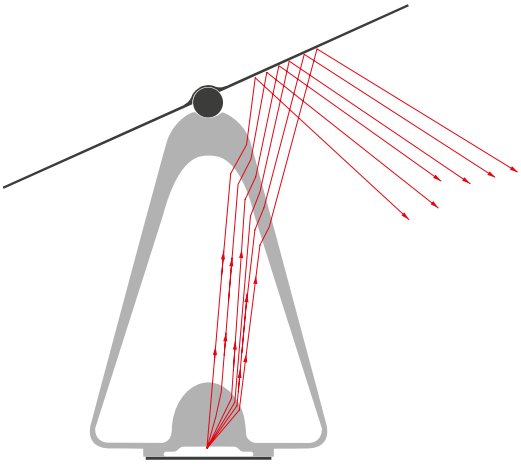
A patented optical system integrates a precision lens within the base, seamlessly incorporated into the glass body. The lens directs the entire luminous flux upward, while the adjustable reflector redistributes the light according to its inclination, allowing control of the illuminated surface.

As the light passes through the transparent glass, it generates subtle internal reflections that enhance the visual depth of the diffuser without compromising the efficiency of the optical system.





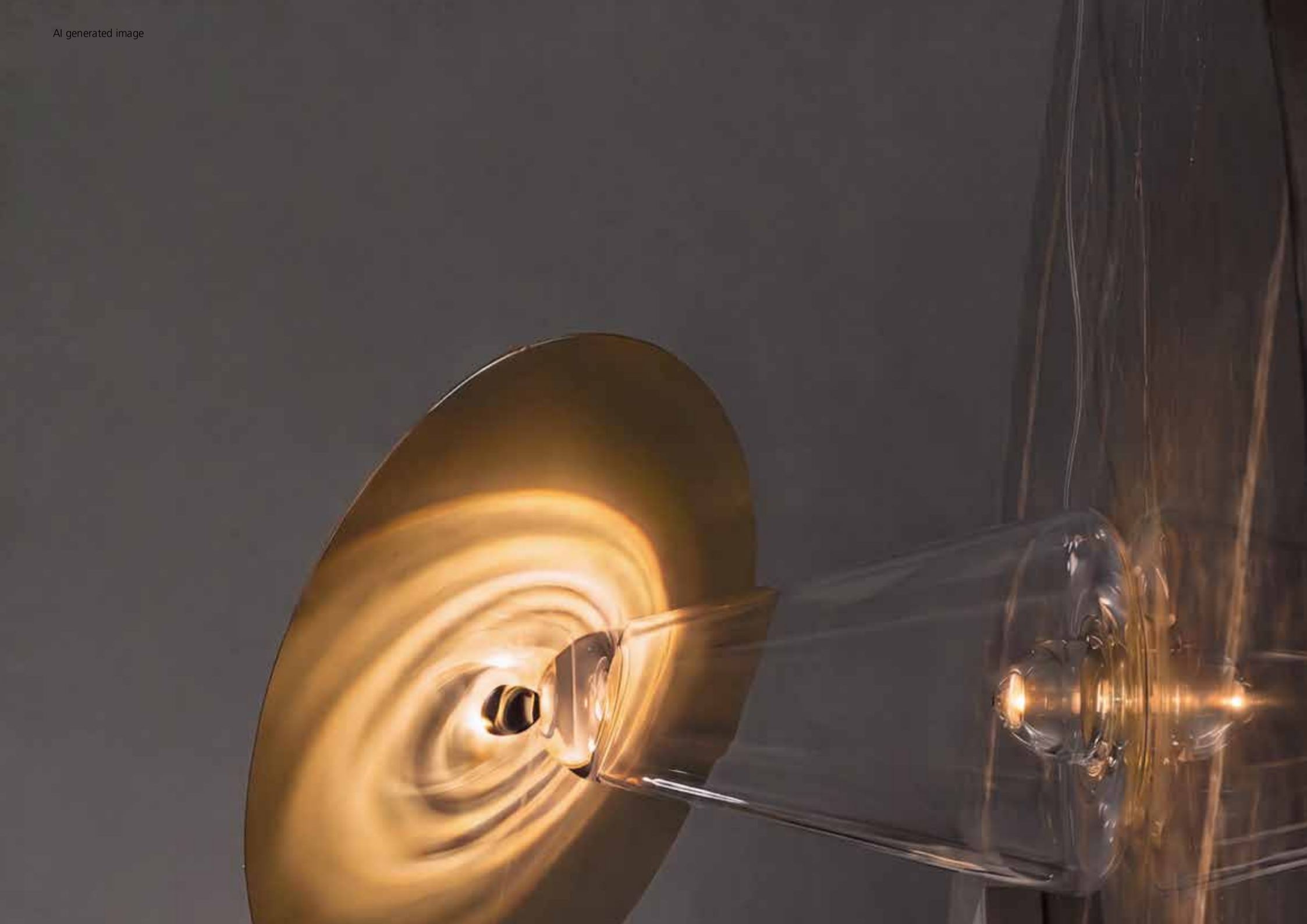







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