



THE MESHMATICS CHANDELIER BY RICK TEGELAAR FOR MOOOI

Moooi celebrates the worldwide release of the Meshmatics Chandelier. A graceful suspension lamp that puts a sophisticated spin on a single material. Designed by Rick Tegelaar from Arnhem, the Netherlands, the luminaire is crafted from humble wire netting. Through the controlled stretching of steel mesh, the designer reveals a new refined aesthetic. The addition of light creates a subtle yet elegant play of transparency and radiance that balances the bolder offerings in Moooi's collection.

ANGLES & FACTS

All-over lightness

Meshmatics Chandelier' porous form makes it both lightweight and aesthetically ethereal

One material – that's it

The entire structure – save for a few details – is constructed from a single material: steel mesh

Out of the (tool) box

Designer Rick Tegelaar developed his own mesh-stretching tools with which to create Meshmatics Chandelier

Come one, come all

Striking as a single object, Meshmatics Chandelier can also be used en masse to form a floating cloud of luminance



Complete press release

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Meshmatics Chandelier is the embodiment of lightness. The chandelier appears to float in space, like a dandelion drifting in the breeze. Originating from the luminaire's core, a delicate gradation of illumination embraces the three-tiered mesh structure. The steel lattice both reflects and diffuses light, achieving a soft glow akin to strands of silk catching the flicker of a flame.

Aside from brass detailing and a structure to hold the LEDs, Meshmatics Chandelier's entire construction relies on steel wire. The metal's proximity to the LEDs and its open weave absorbs some of the heat generated by the light source.

The production process involves forming the mesh into cylinders, which are then secured over a mould. By pulling on one side, the material simultaneously stretches and suctions itself to the mould and 'sets'. 'It's a bit like taking a sock off your foot,' says Tegelaar. 'If you pull at one end, the sock grabs your foot.' The method grants Tegelaar strict control over the shape. Through the process of stretching, tension is trapped in the material, reinforcing it. The result is a strong, lightweight structure.

Exerting his background in engineering, Tegelaar developed his own set of tools with which to create Meshmatics Chandelier – a product that took two-and-a-half years to fine-tune. 'There were no machines for stretching mesh when I started. I had to conceive the technique from the ground up by building my own tools and machines.'

Meshmatics Chandelier crystallizes the light, elegant aesthetic Tegelaar established with his first product for Mooodi: Filigree floor lamp, which was designed in 2016.

Year of design:	2017
Material:	Galvanised steel, brass
Input voltage:	220-240V ~ 50-60Hz
Power consumption:	Max 12w
Colour temperature:	2700k
Dimmable:	Yes (external)
Lumen:	665
Cable length:	4 or 10m
Cable colour:	Transparent
Canopy:	RVS pebble



About the designer

In 2011, Rick Tegelaar (Rotterdam, 1986) graduated with honours from the product-design department of ArtEZ in Arnhem, the Netherlands. After questioning how he could add value to the design profession, Tegelaar decided to work with materials and techniques that are considered unbecoming of interiors and products, elevating them to a refined level. Tegelaar's previous engineering studies help to define his technique-driven approach. Using this experience, he often develops machines and tools to discover new ways of working with materials – and ultimately, achieving new aesthetics.

NOTES TO EDITOR

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