

DragonO² Specification



Dragon O2 Standard Module Specifications

Module Size: 50cm x 50cm x 310cm

Strings Height: 3m (Can be customized)

Strings: 100 Strings

Voxels: 6,000 LED Neurons

Weight: 17KG

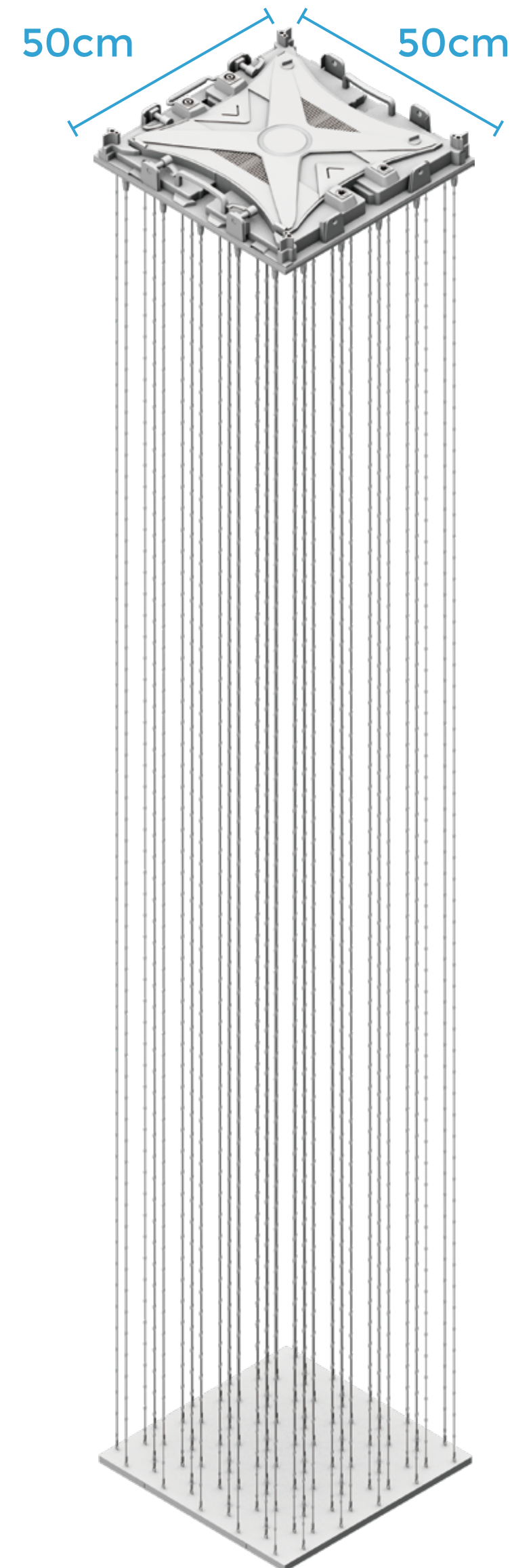
System: ORGANIC (Voxel distribution 2.5cm pitch)

Power consumption per module

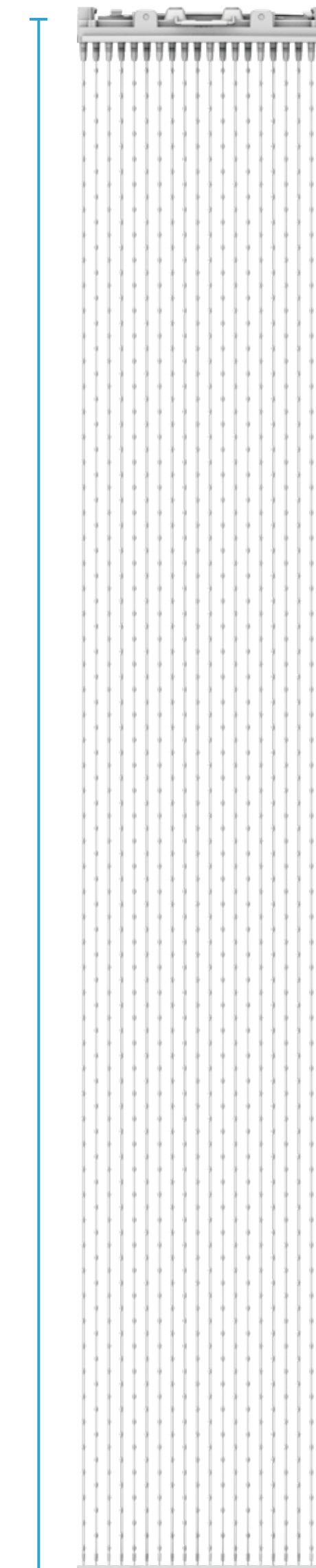
Standby (No content): 50W

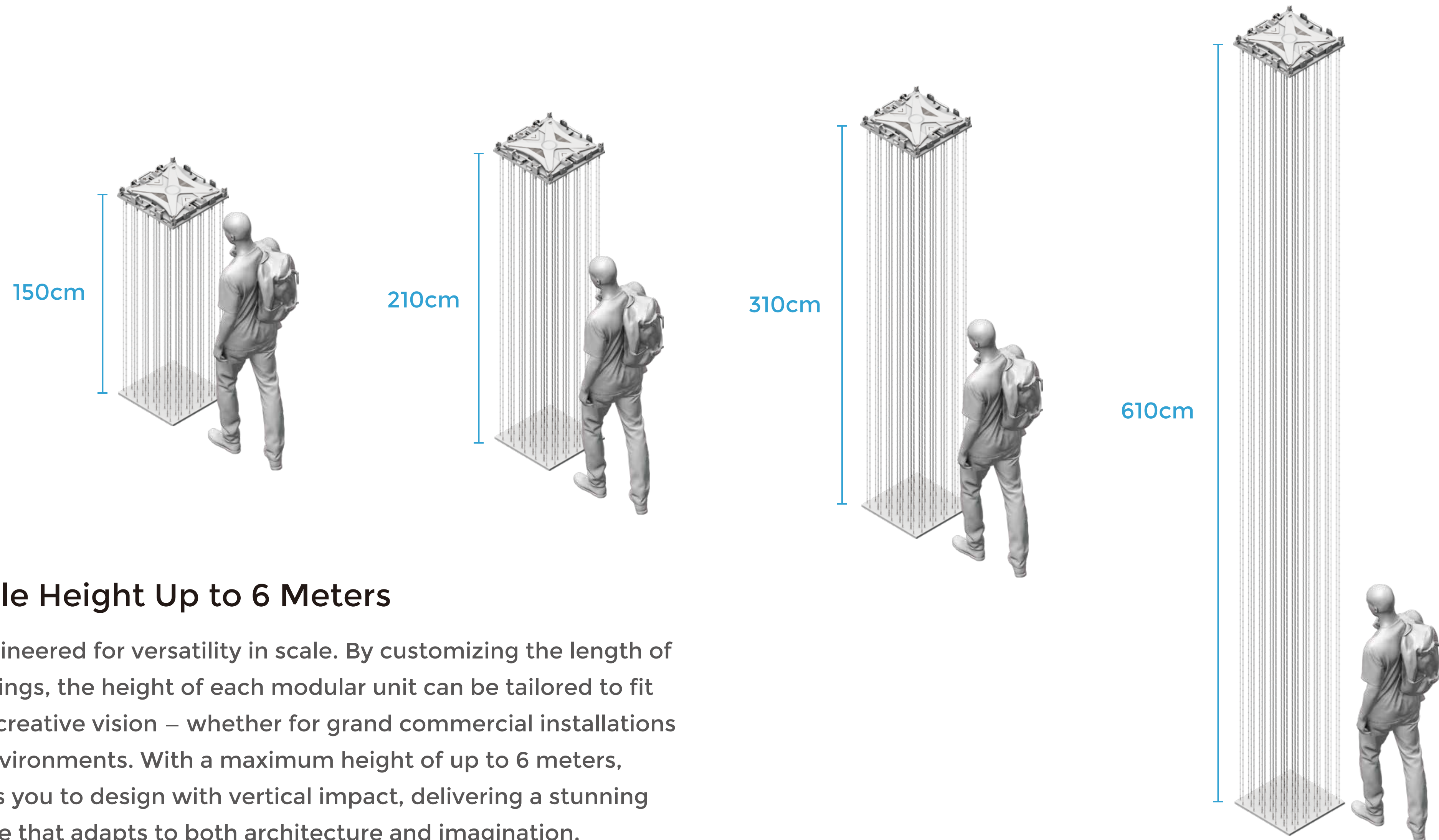
Average (Standard content): 120W

Peak (Full white): 400W



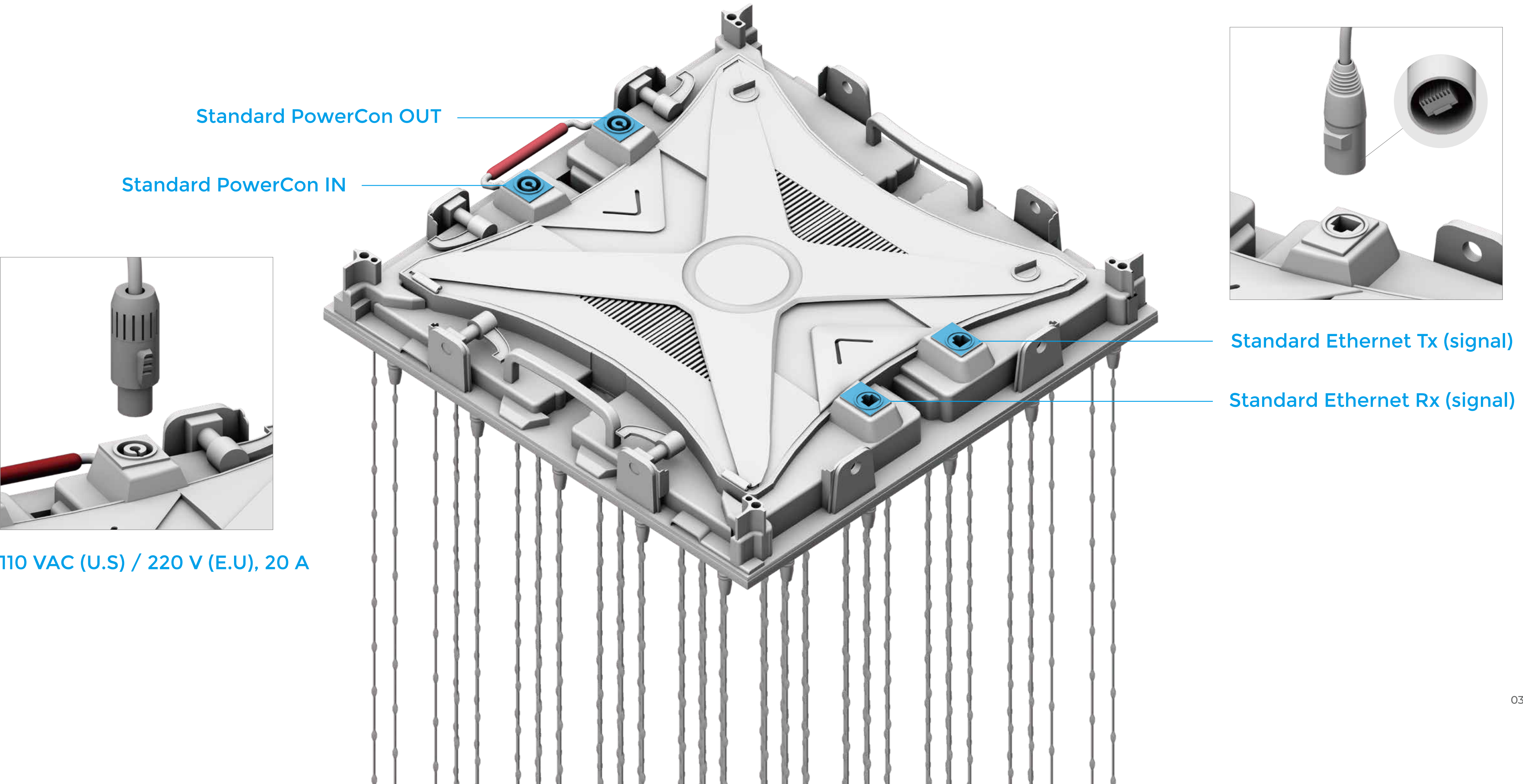
310cm





Customizable Height Up to 6 Meters

DragonO² is engineered for versatility in scale. By customizing the length of the LED light strings, the height of each modular unit can be tailored to fit your space and creative vision – whether for grand commercial installations or immersive environments. With a maximum height of up to 6 meters, DragonO² allows you to design with vertical impact, delivering a stunning visual experience that adapts to both architecture and imagination.

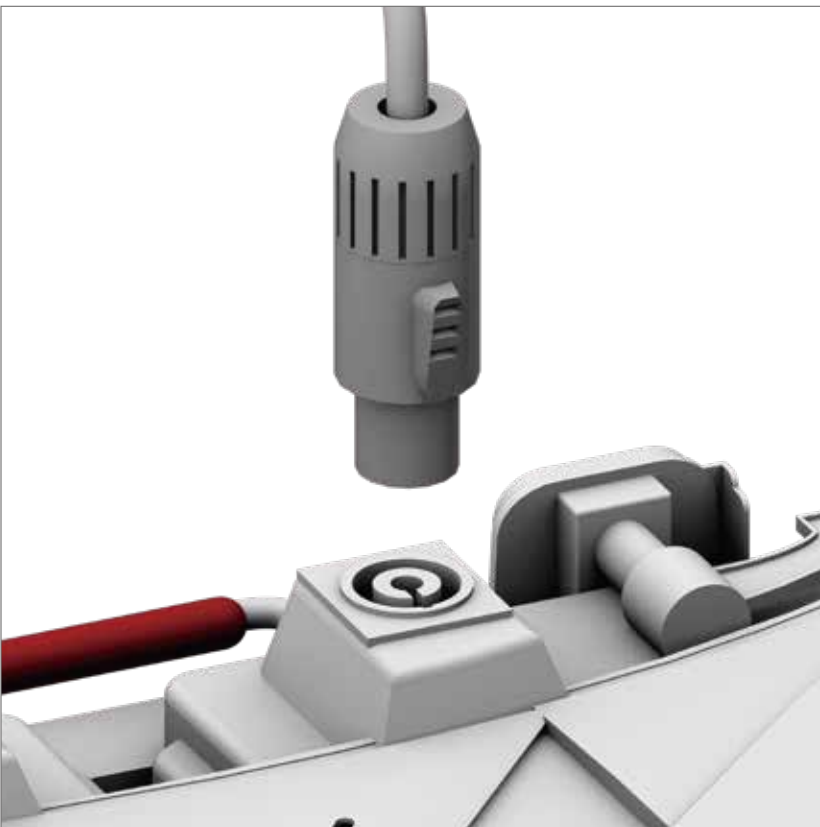


Standard PowerCon OUT

Standard PowerCon IN

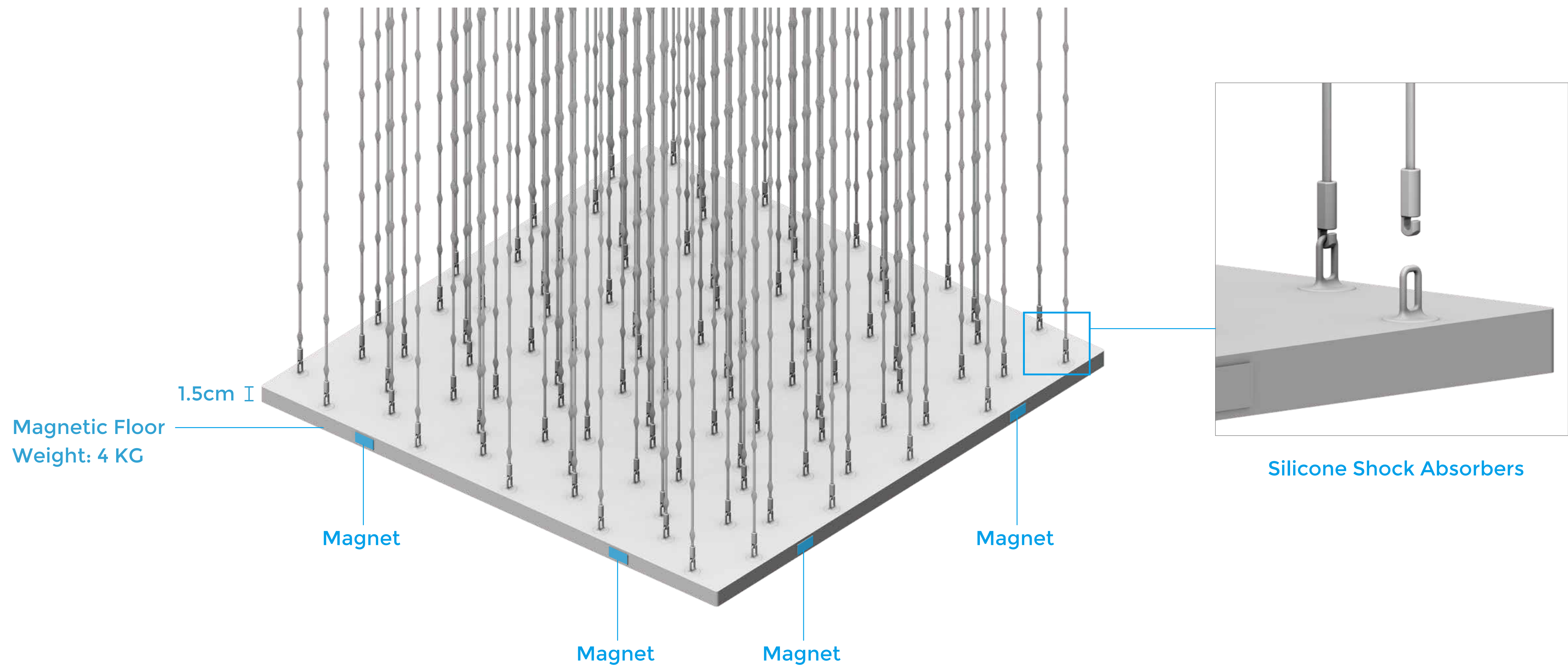
Standard Ethernet Tx (signal)

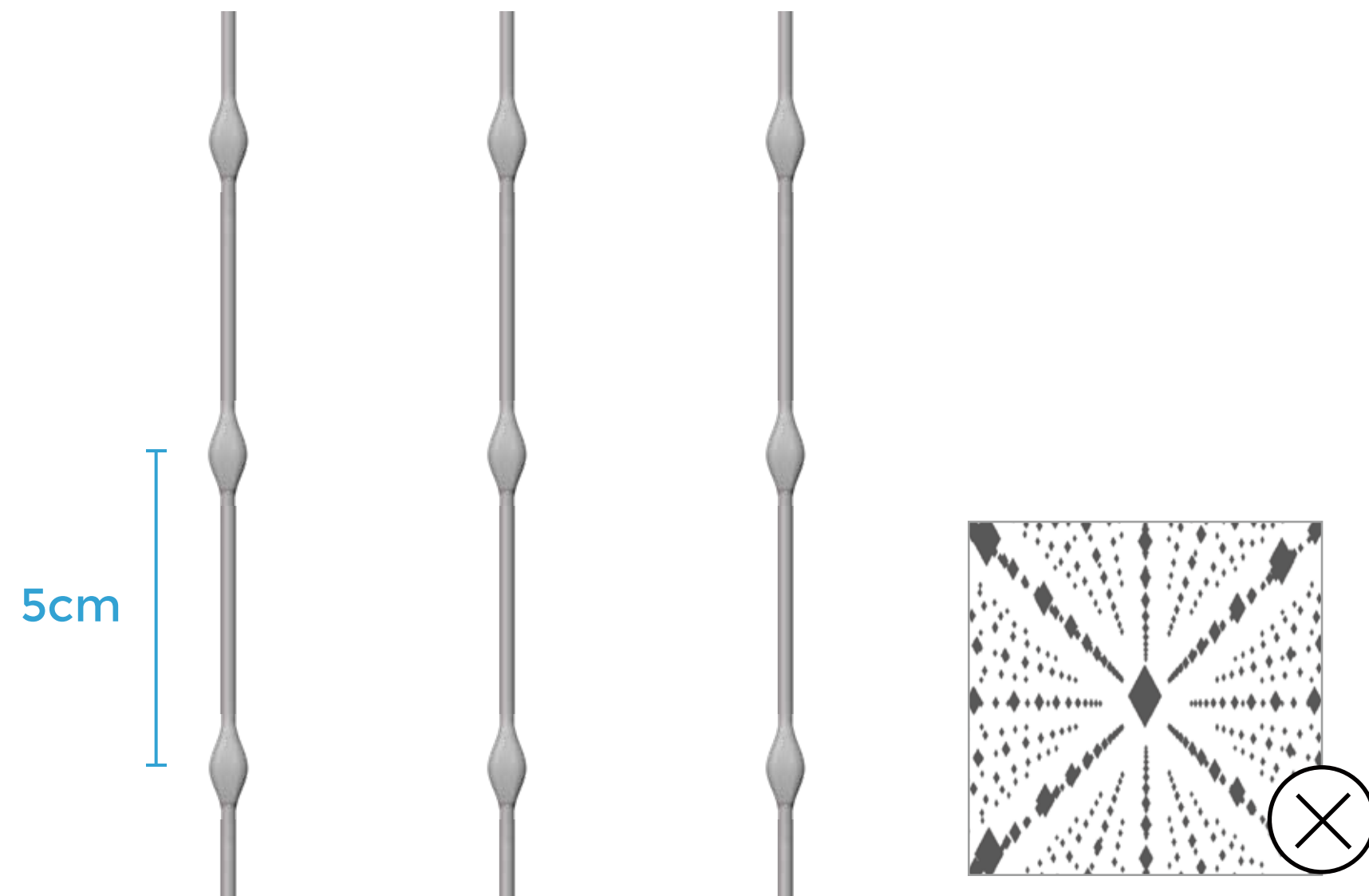
Standard Ethernet Rx (signal)



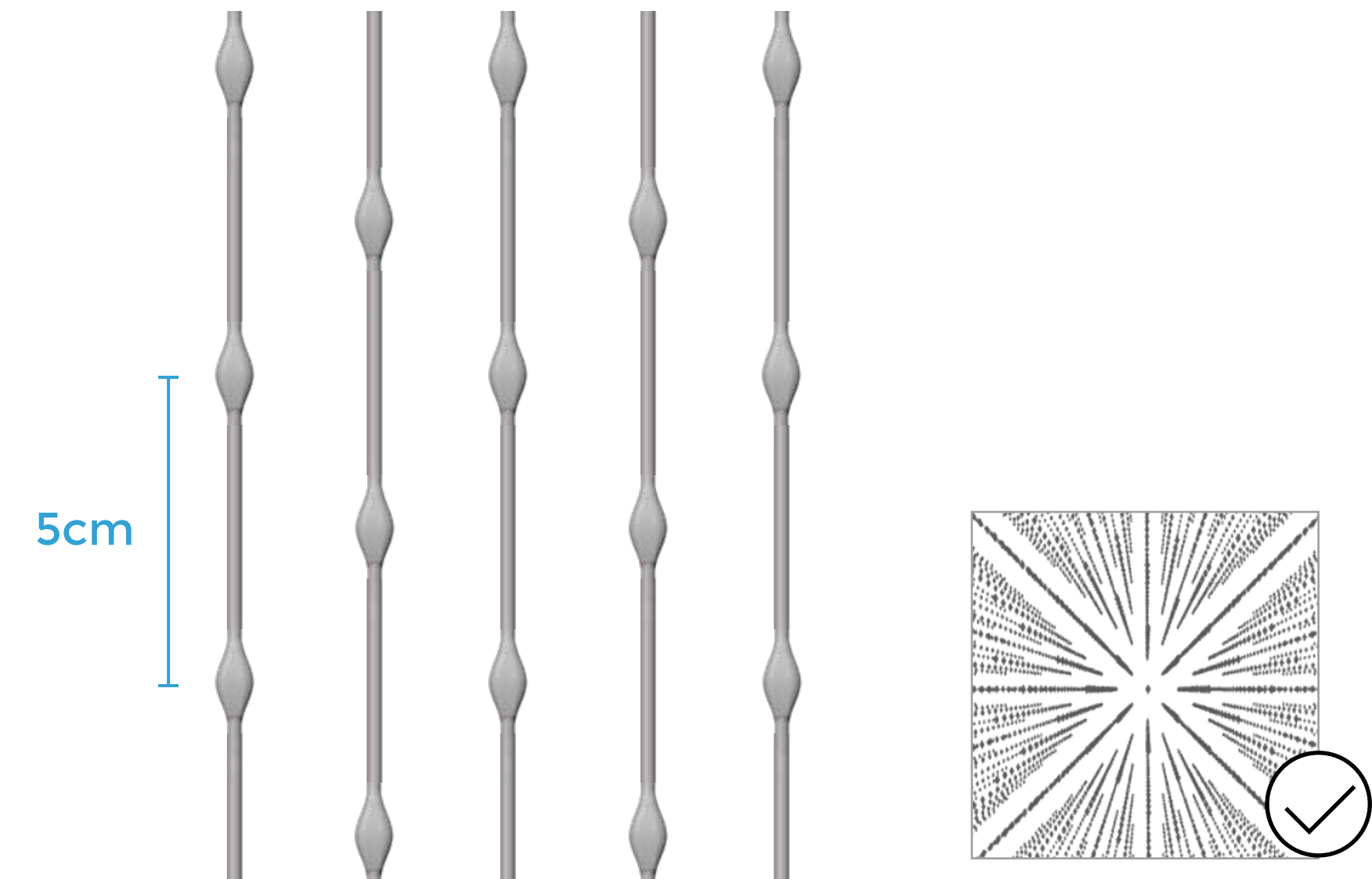
110 VAC (U.S) / 220 V (E.U), 20 A







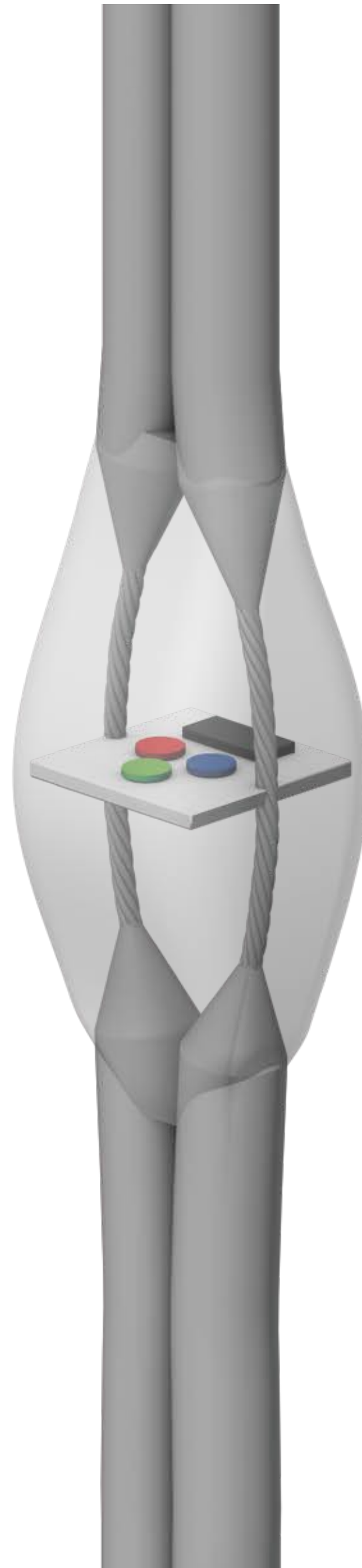
Traditional Matrix Arrangement



ORGANIC Staggered Arrangement

ORGANIC (Voxel Distribution with 2.5cm Effective Pitch)

Unlike traditional LED strips arranged in a fixed matrix with a 5cm pitch—resulting in a visual resolution of 5cm—our proprietary ORGANIC layout uses a staggered arrangement. By offsetting half of the LED strips, we simulate a 2.5cm pitch effect using standard 5cm-pitch hardware. This approach doubles the visual resolution without increasing hardware cost, achieving smoother, more detailed animations and graphics.

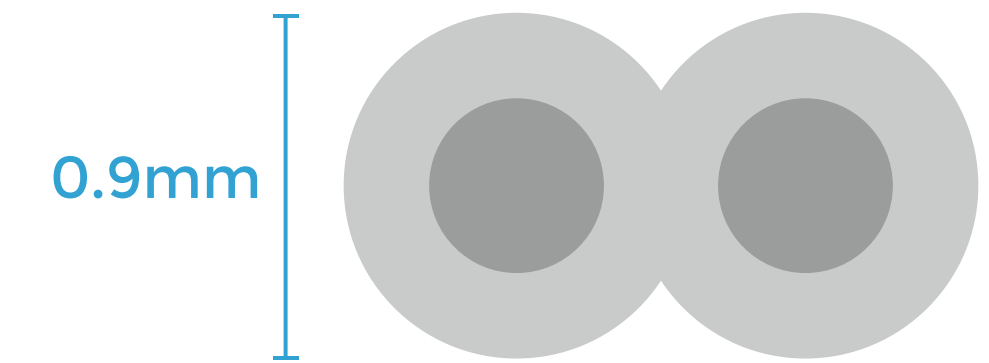


1.9mm



0.9mm

Average Diameter Ø 1.4mm

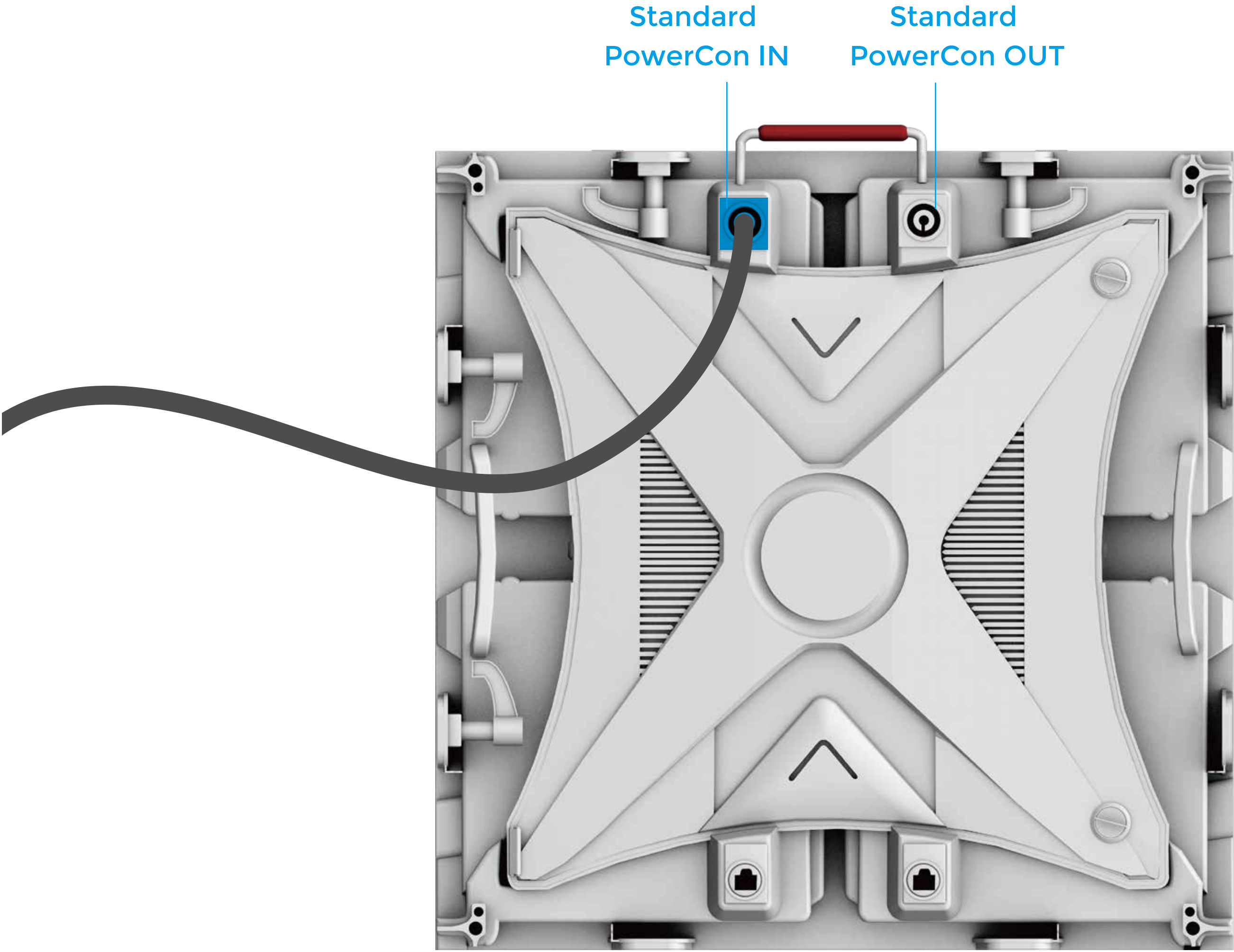


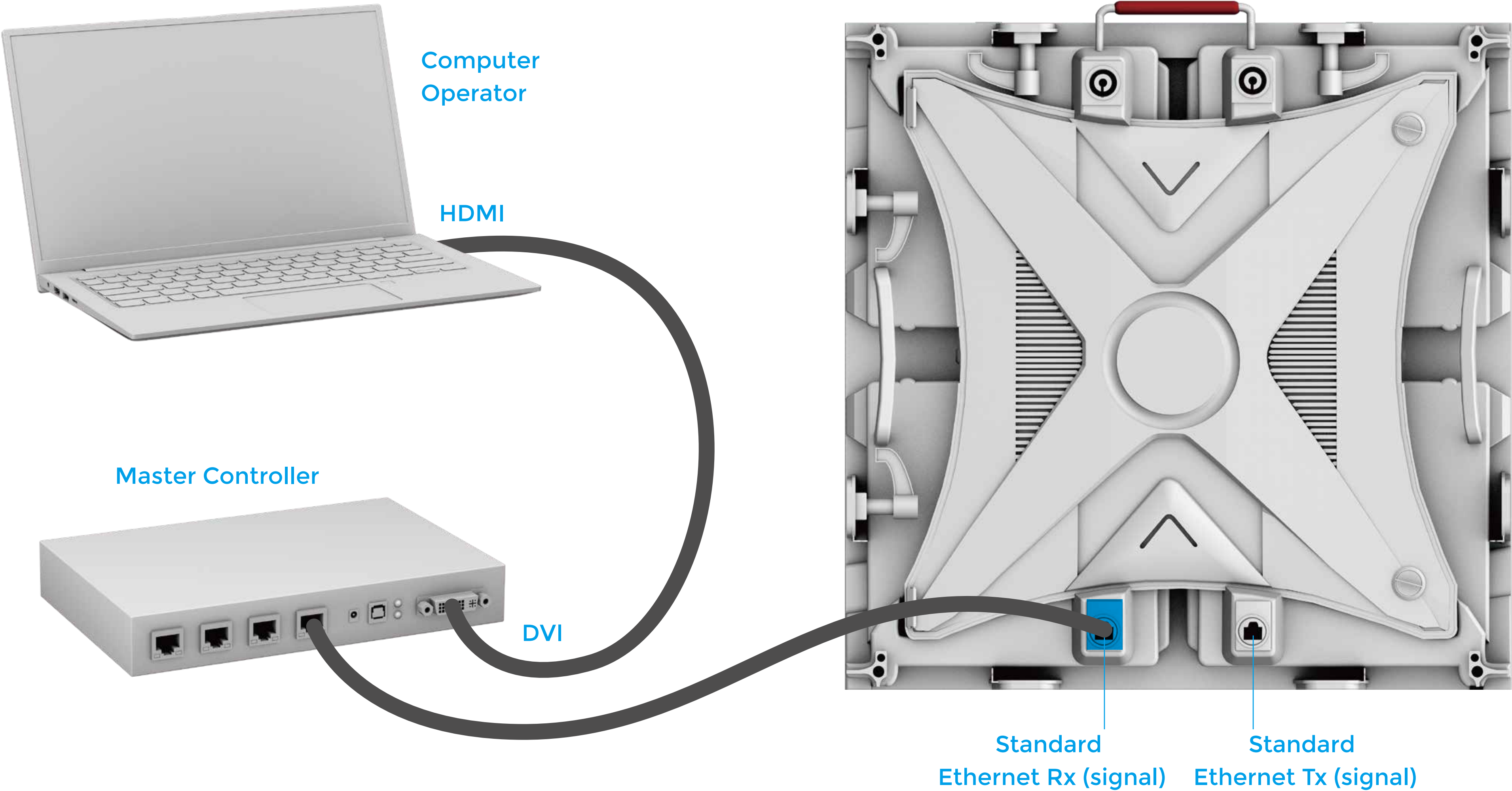
1.9mm

Ultra-Slim LED Strings for Maximum Transparency

DragonO² features the slimmest LED strings in the industry, engineered for ultra-high transparency. These ultra-fine strings greatly minimize visual blockage of the LEDs behind, ensuring a clear, layered, and immersive lighting experience. Whether viewed from the front or at an angle, DragonO² delivers vivid visuals with minimal interference – making it the ideal solution for artistic installations, immersive spaces, or any environment where visual clarity and depth truly matter.

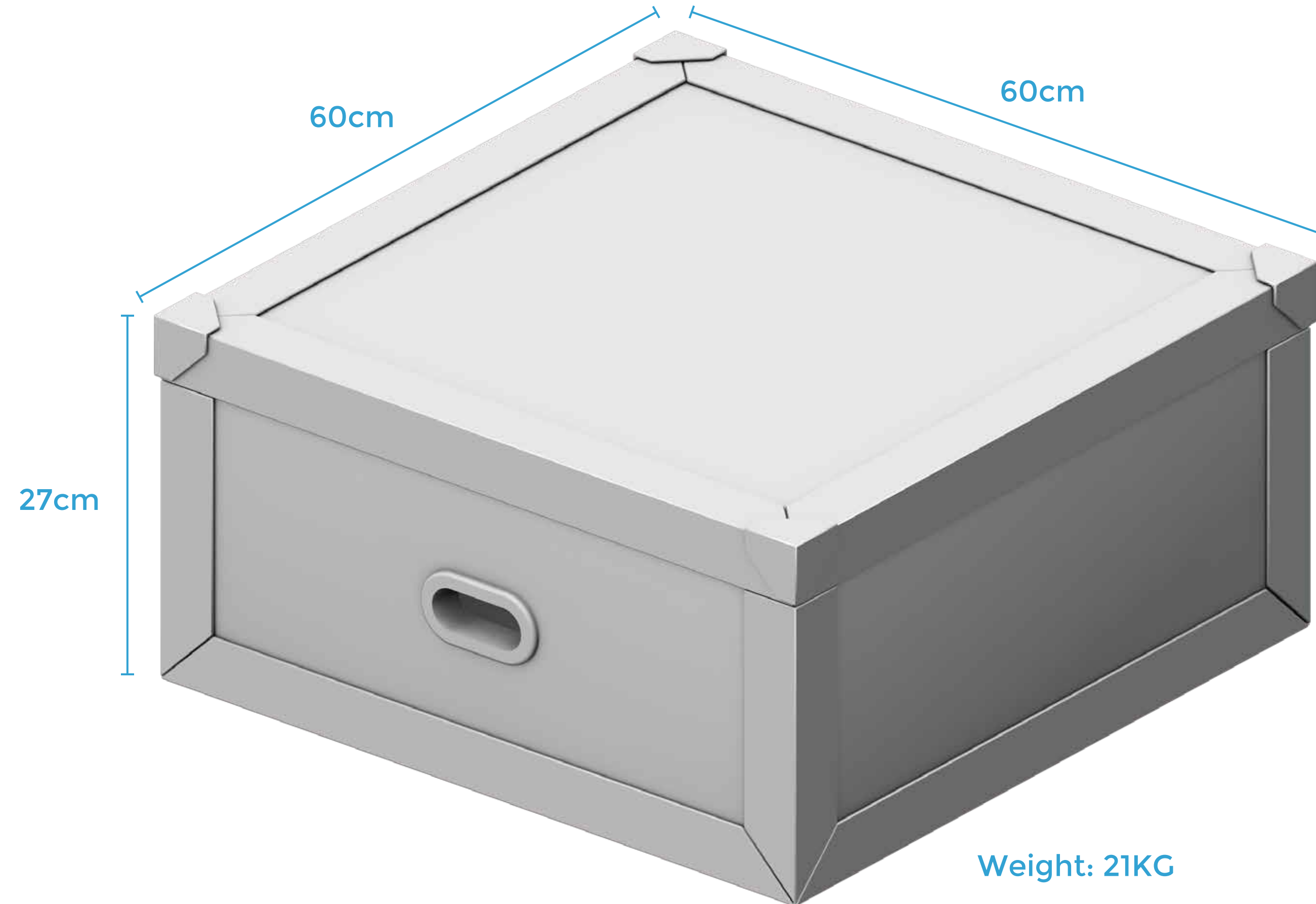
POWER LINE
110 VAC (U.S) / 220 V (E.U)
Standby (No content): 50W
Average (Standard content): 120W
Peak (Full white): 400W

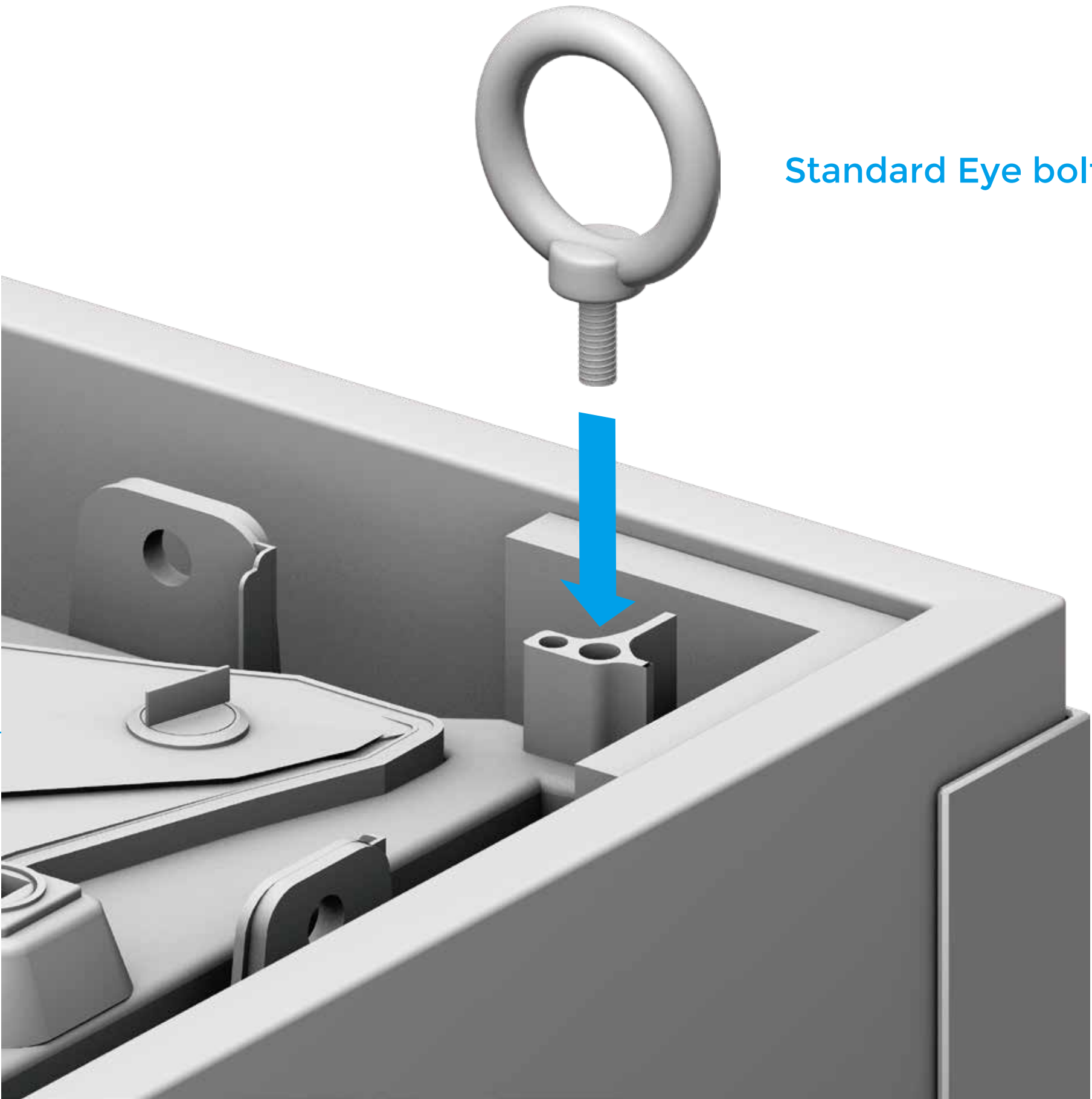
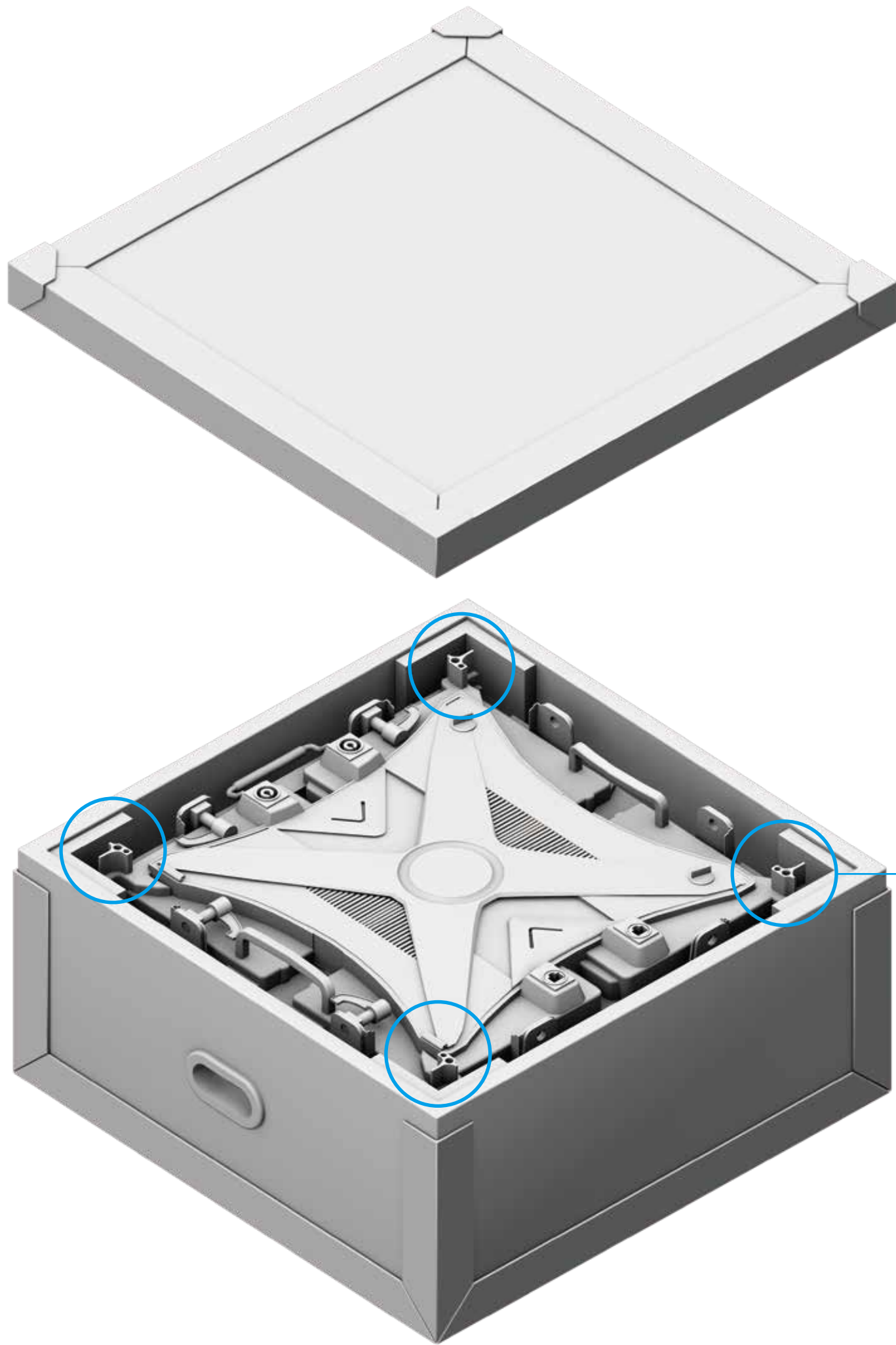




Packaging Specifications

DragonO² is shipped in custom-designed honeycomb cardboard boxes that provide excellent protection and efficient use of space, ensuring each module arrives safely, reduces logistics costs, and simplifies on-site handling.

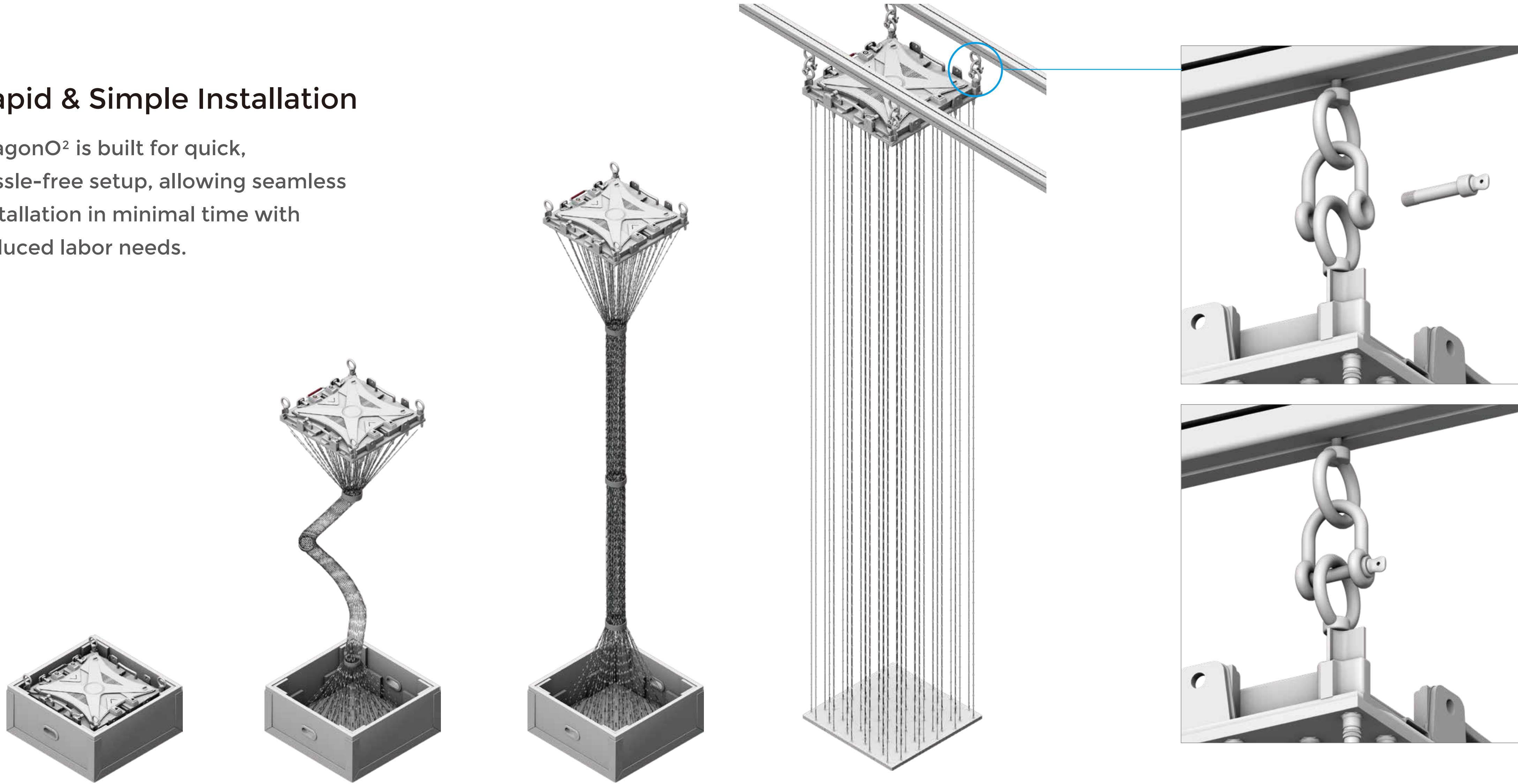


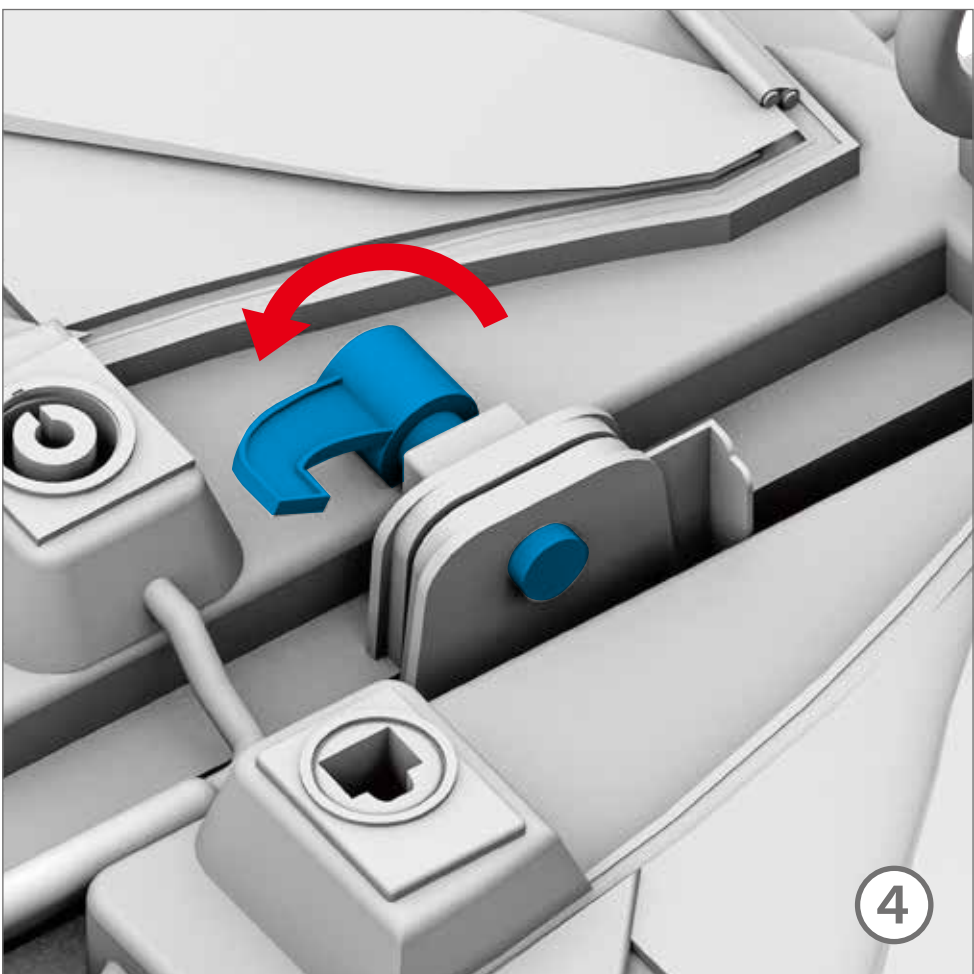
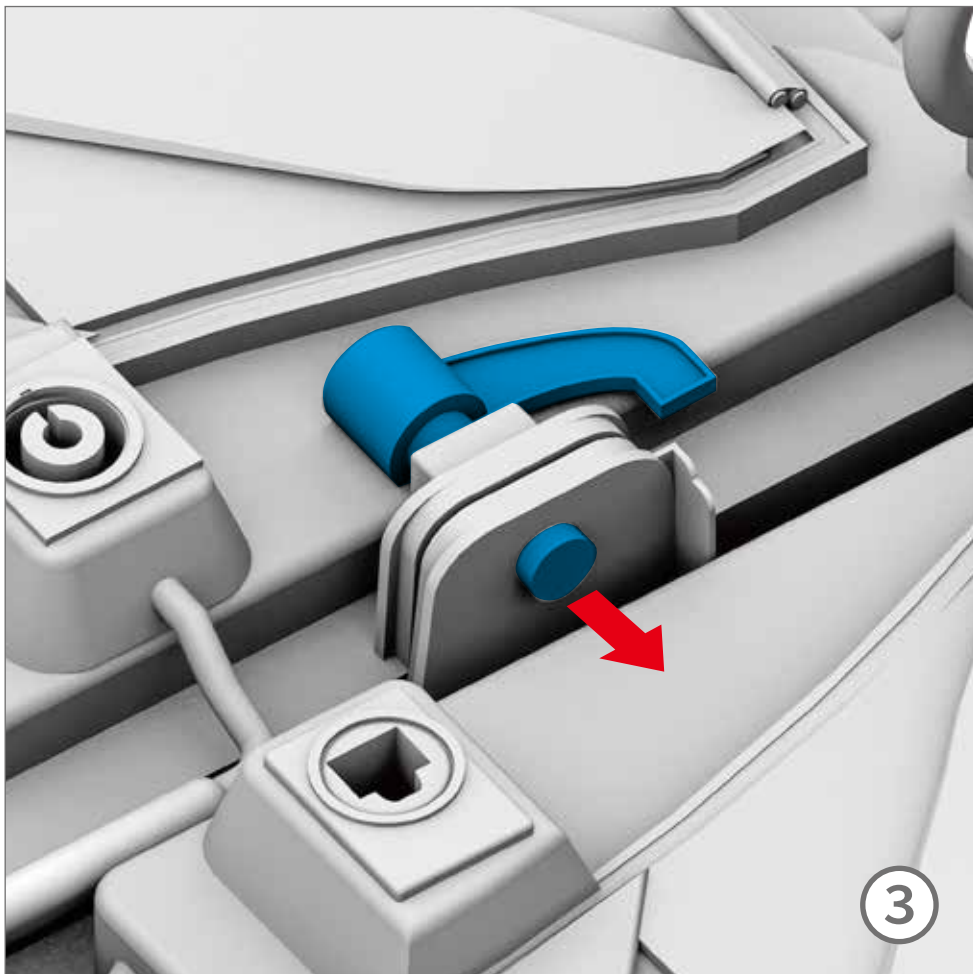
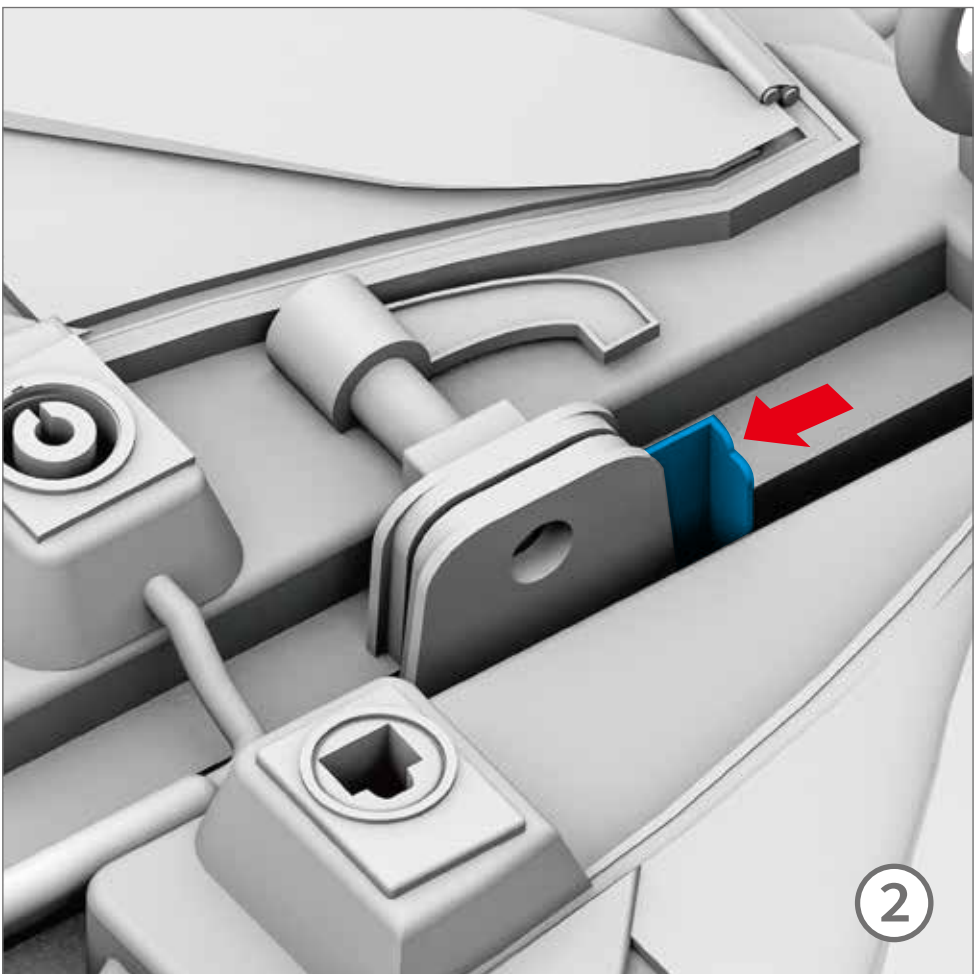
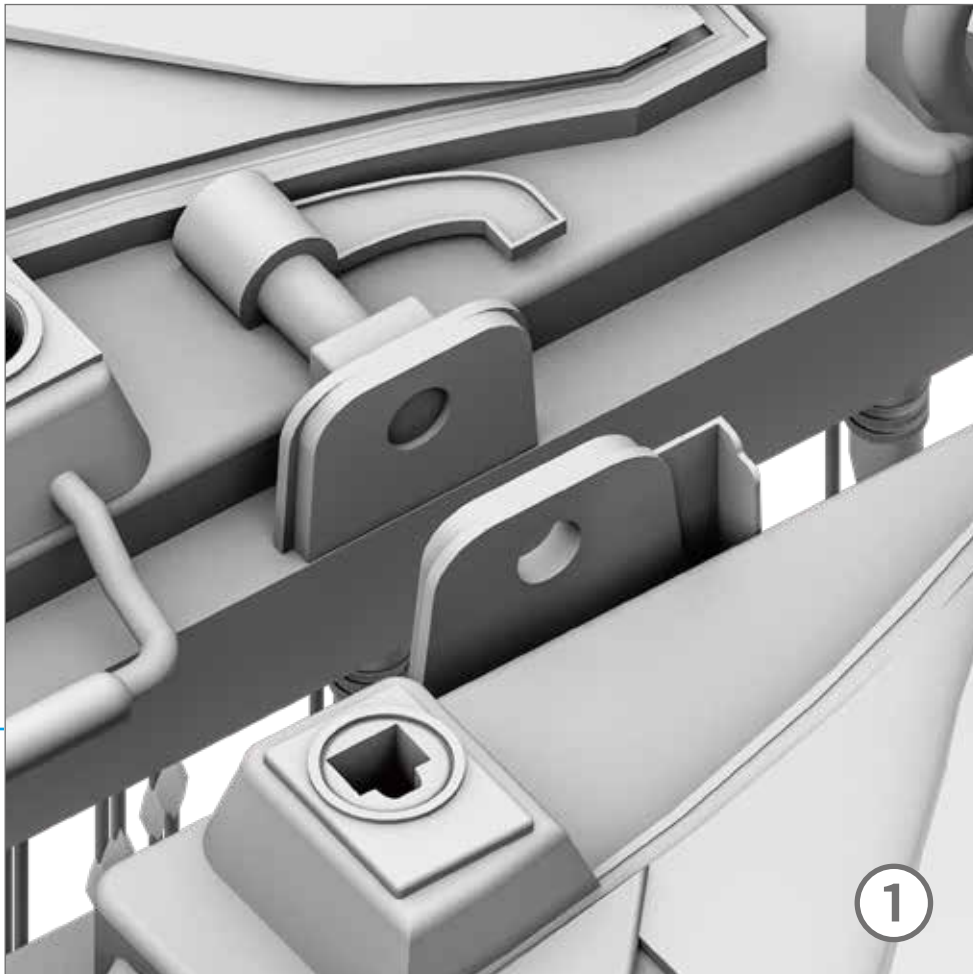
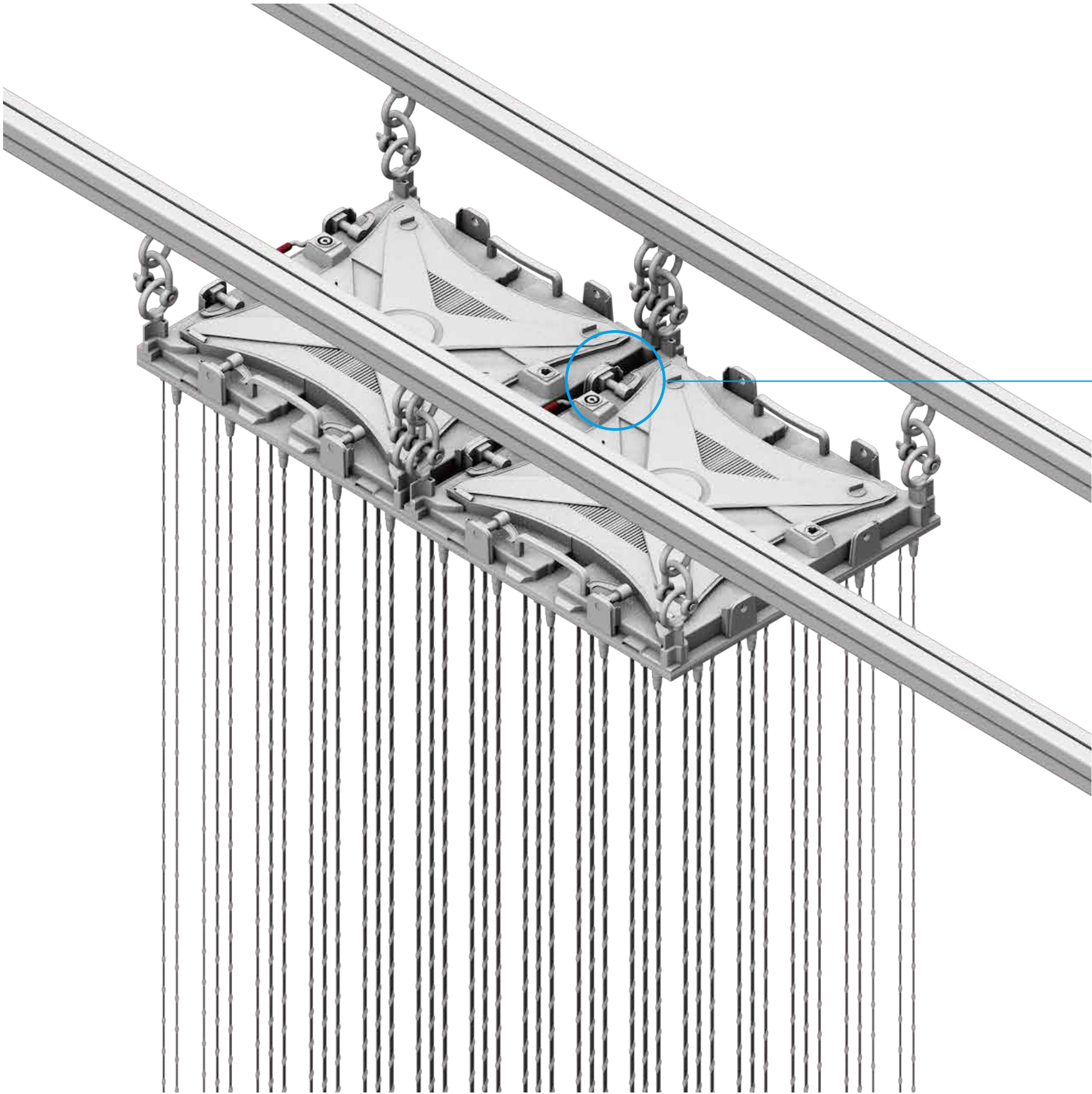


Standard Eye bolts

Rapid & Simple Installation

DragonO² is built for quick, hassle-free setup, allowing seamless installation in minimal time with reduced labor needs.





DragonO² 4 Modules Specifications

Module Size: 100cm x 100cm x 310cm

Strings Height: 3m (Can be customized)

Strings: 400 Strings

Voxels: 24,000 LED Neurons

Weight: 68KG

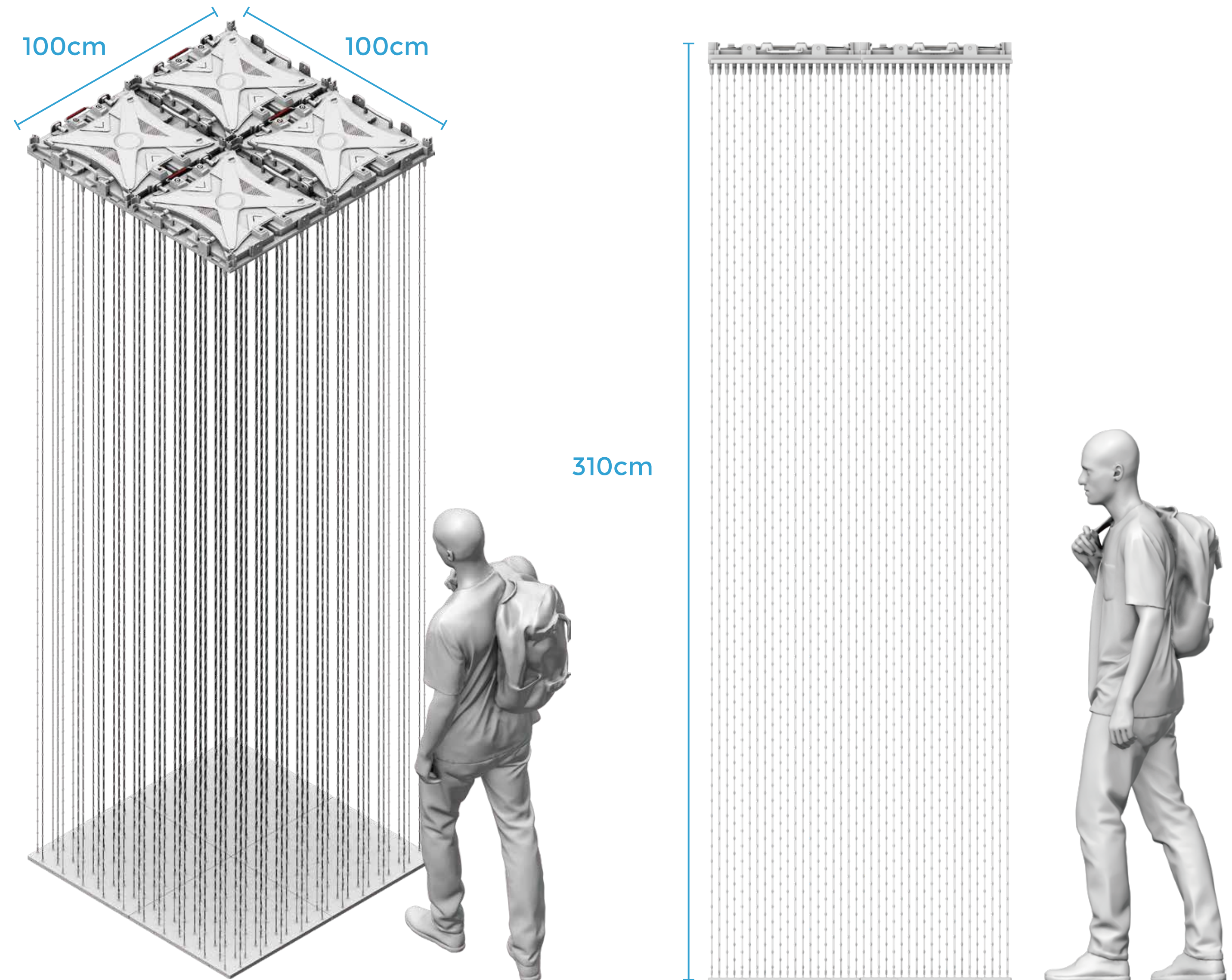
System: ORGANIC (Voxel distribution 2.5cm pitch)

Power consumption per module

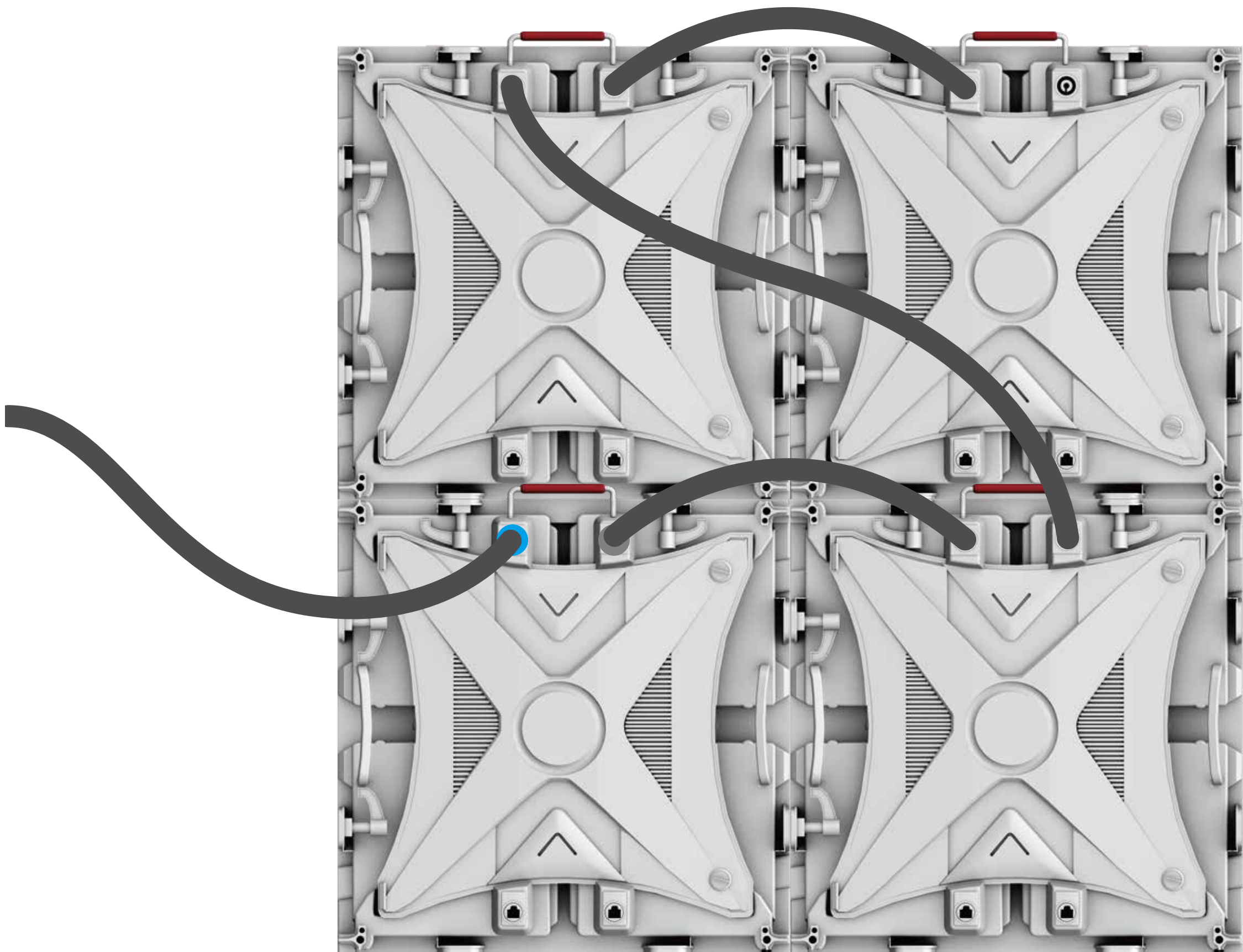
Standby (No content): 200W

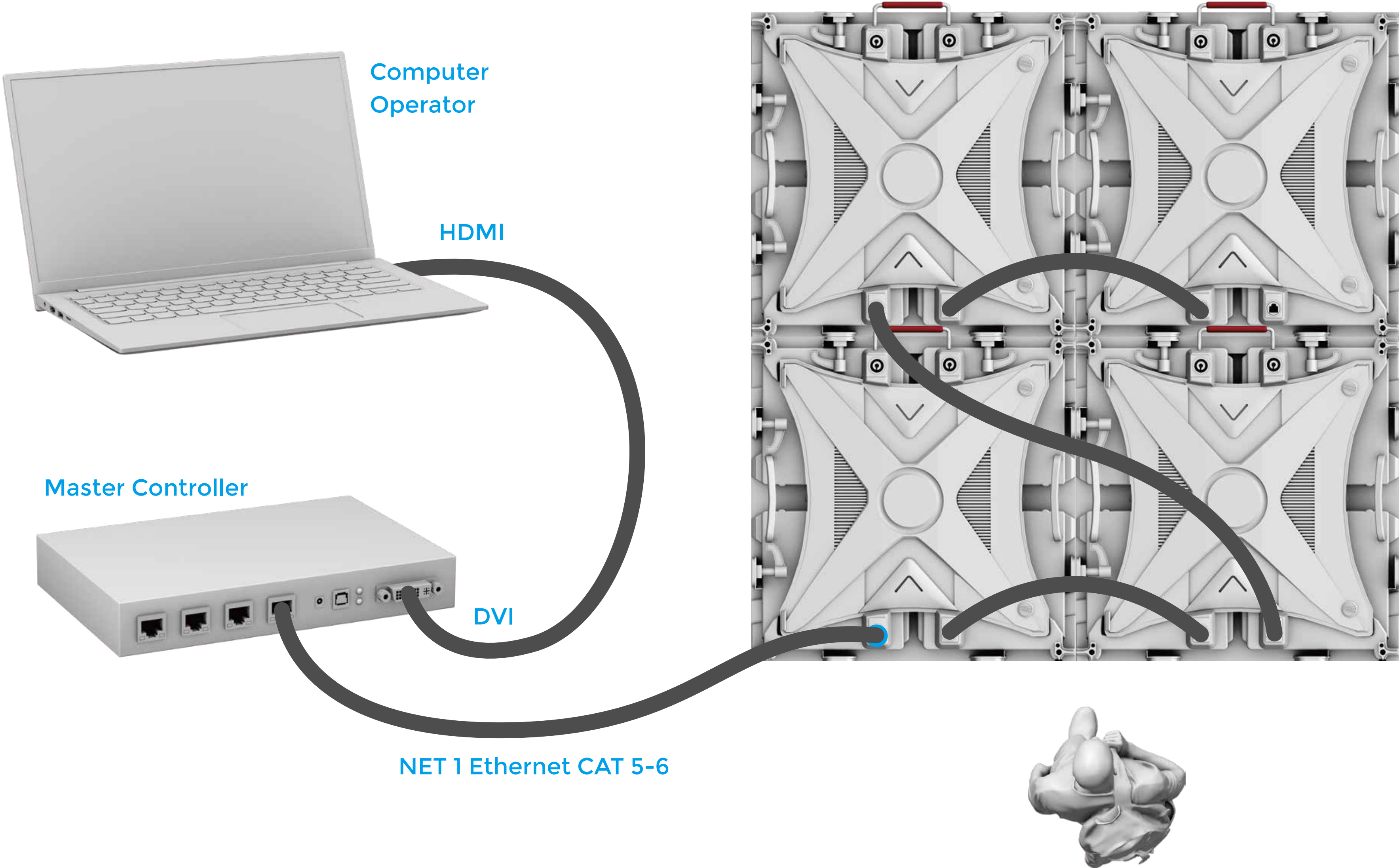
Average (Standard content): 480W

Peak (Full white): 1,600 W



POWER LINE
110 VAC (U.S) / 220 V (E.U)
Standby (No content): 200W
Average (Standard content): 480W
Peak (Full white): 1,600W





DragonO² 9 Modules Specifications

Module Size: 150cm x 150cm x 310cm

Strings Height: 3m (Can be customized)

Strings: 900 Strings

Voxels: 54,000 LED Neurons

Weight: 153KG

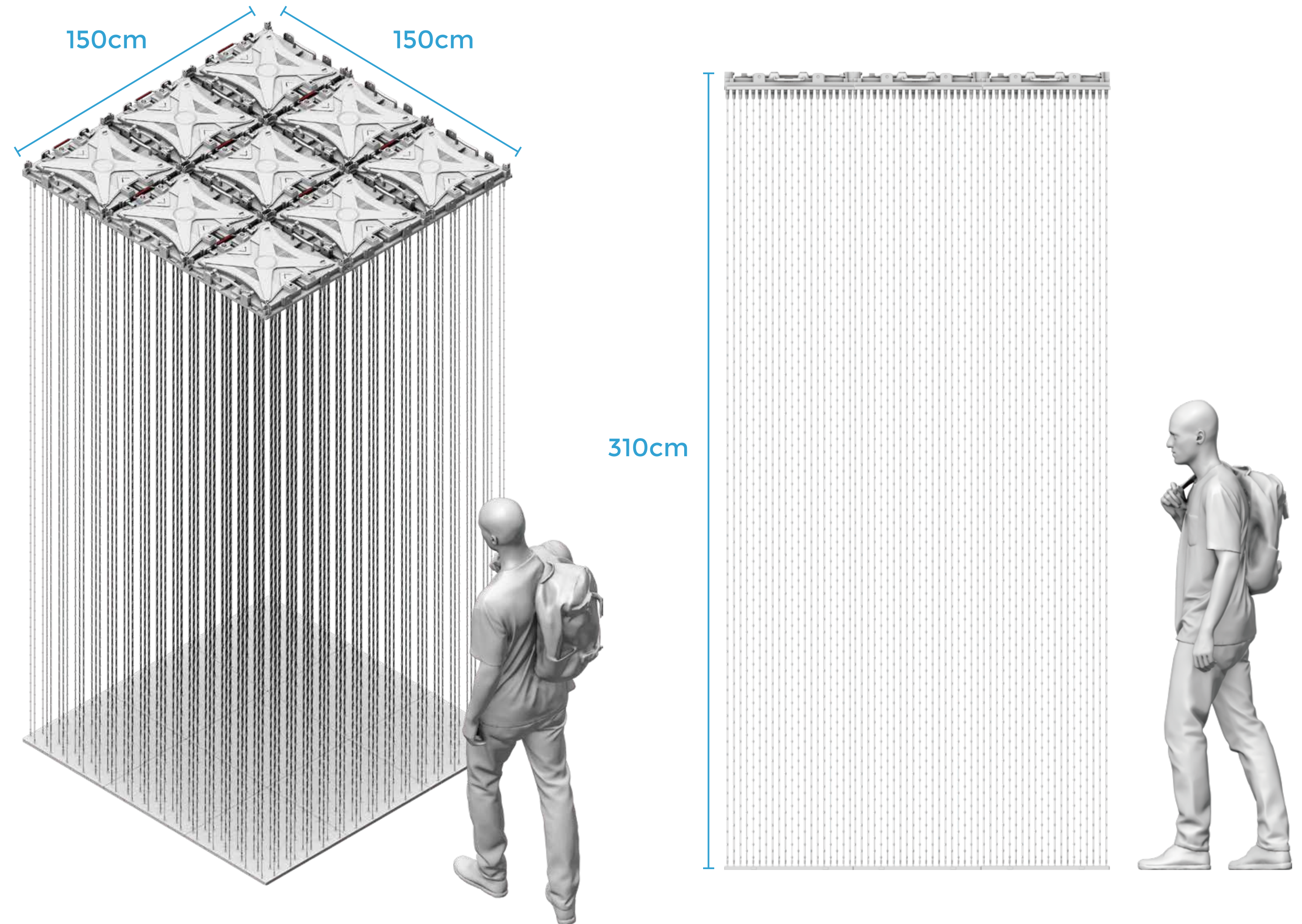
System: ORGANIC (Voxel distribution 2.5cm pitch)

Power consumption per module

Standby (No content): 450W

Average (Standard content): 1,080W

Peak (Full white): 3,600W



POWER LINE
110 VAC (U.S) / 220 V (E.U)
Standby (No content): 450W
Average (Standard content): 1,080W
Peak (Full white): 3,600W

