

DragonO³ Specification



Dragon O³ Standard Module Specifications

Module Size: 50cm x 50cm x 310cm

Strings Height: 3m (Can be customized)

Strings: 256 Strings

Voxels: 24,576 LED Neurons

Weight: 24.5KG

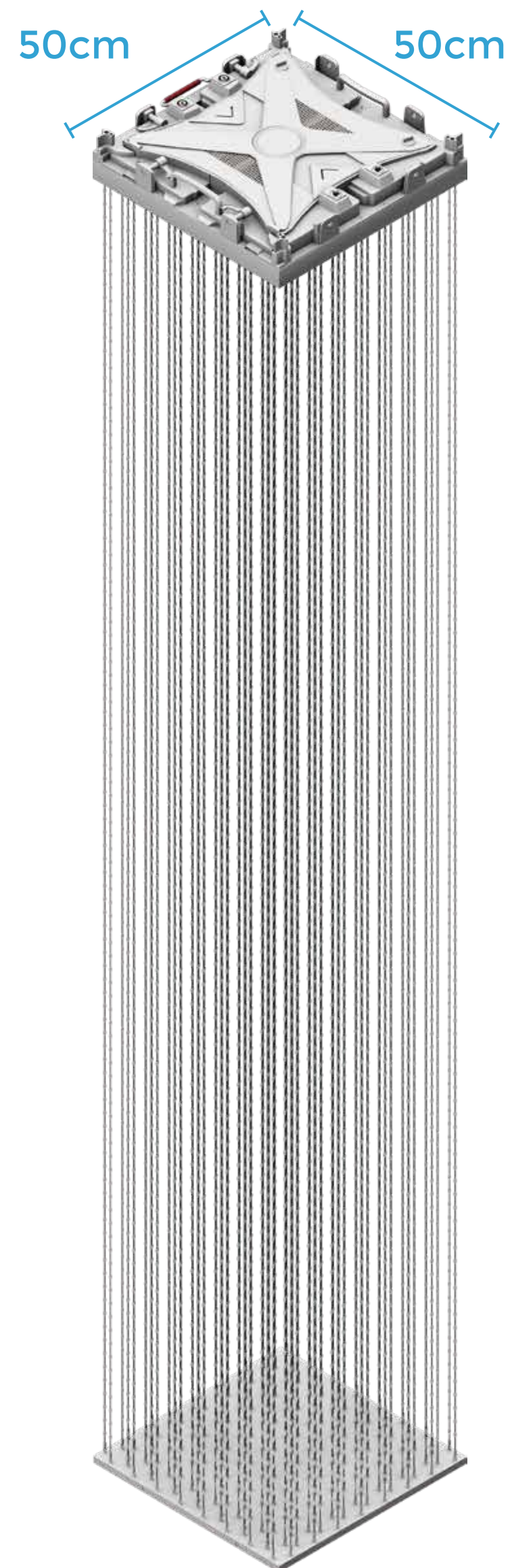
System: ORGANIC (Voxel distribution 1.56cm pitch)

Power consumption per module

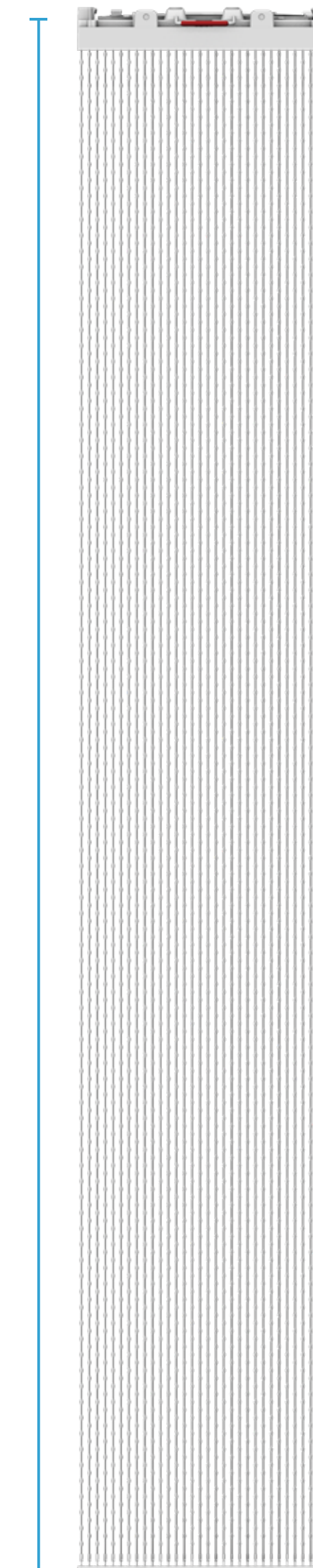
Standby (No content): 50W

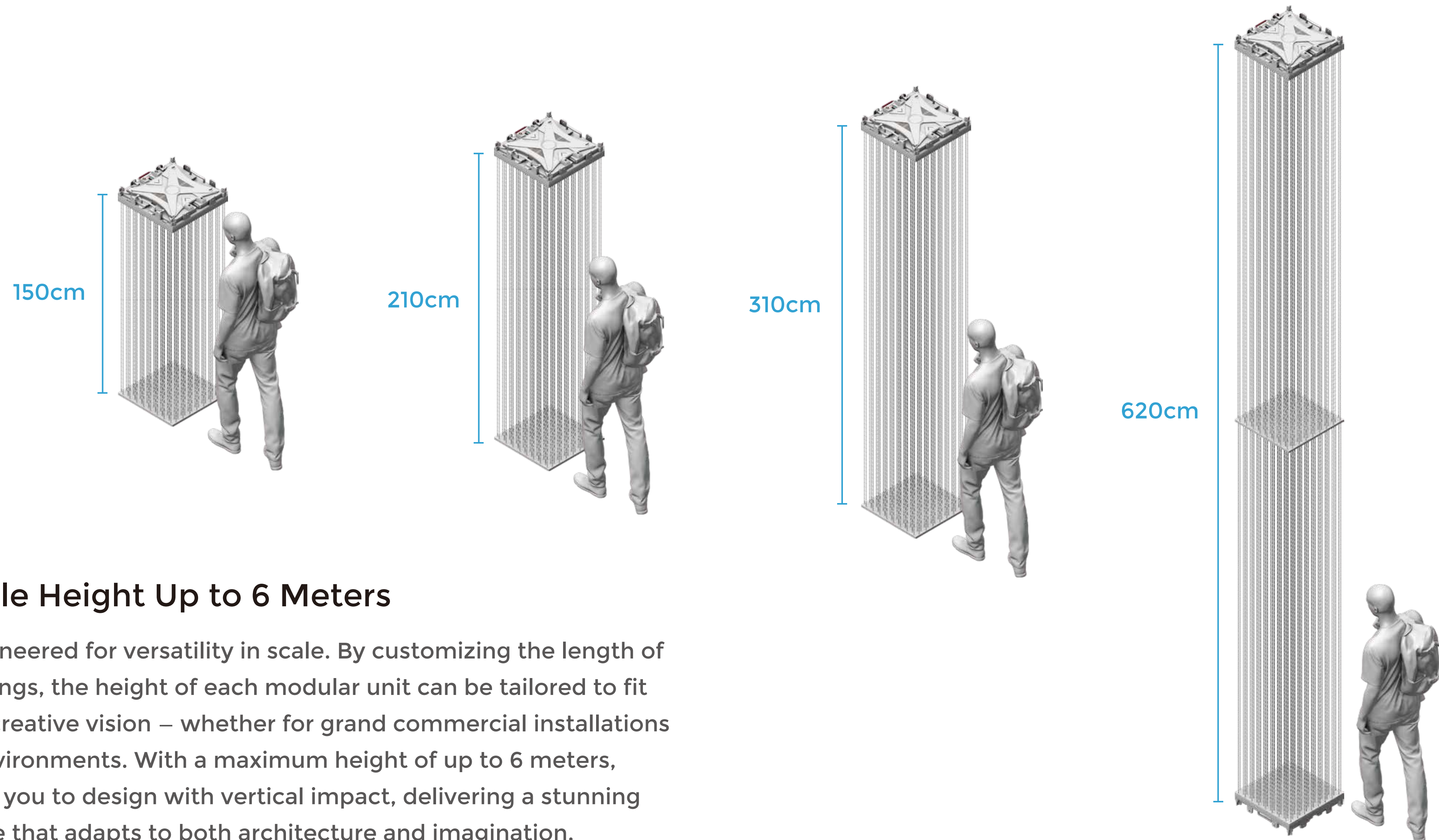
Average (Standard content): 300W

Peak (Full white): 800W



310cm



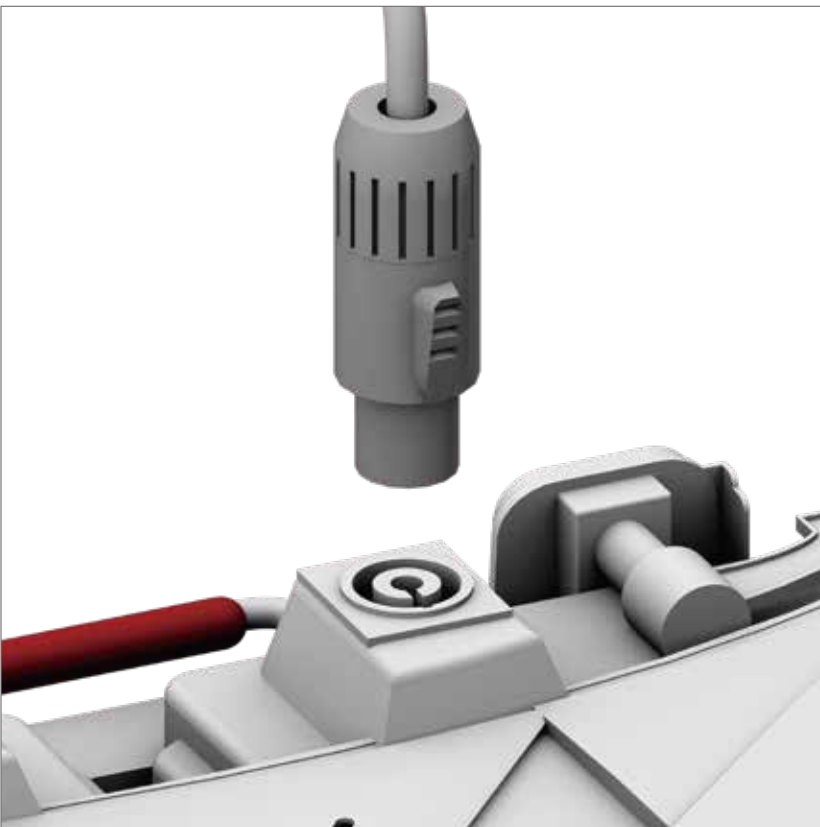


Customizable Height Up to 6 Meters

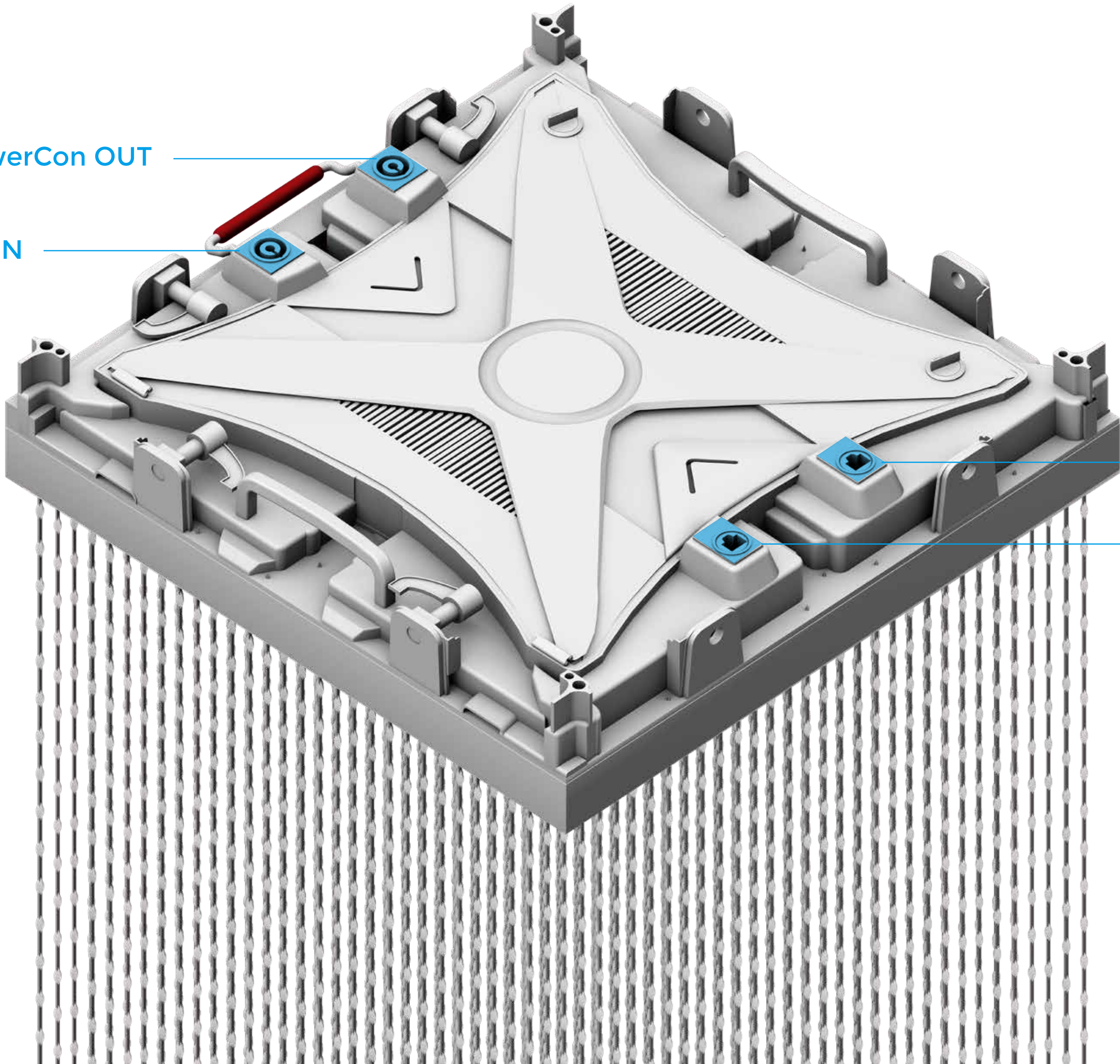
DragonO³ is engineered for versatility in scale. By customizing the length of the LED light strings, the height of each modular unit can be tailored to fit your space and creative vision – whether for grand commercial installations or immersive environments. With a maximum height of up to 6 meters, DragonO³ 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

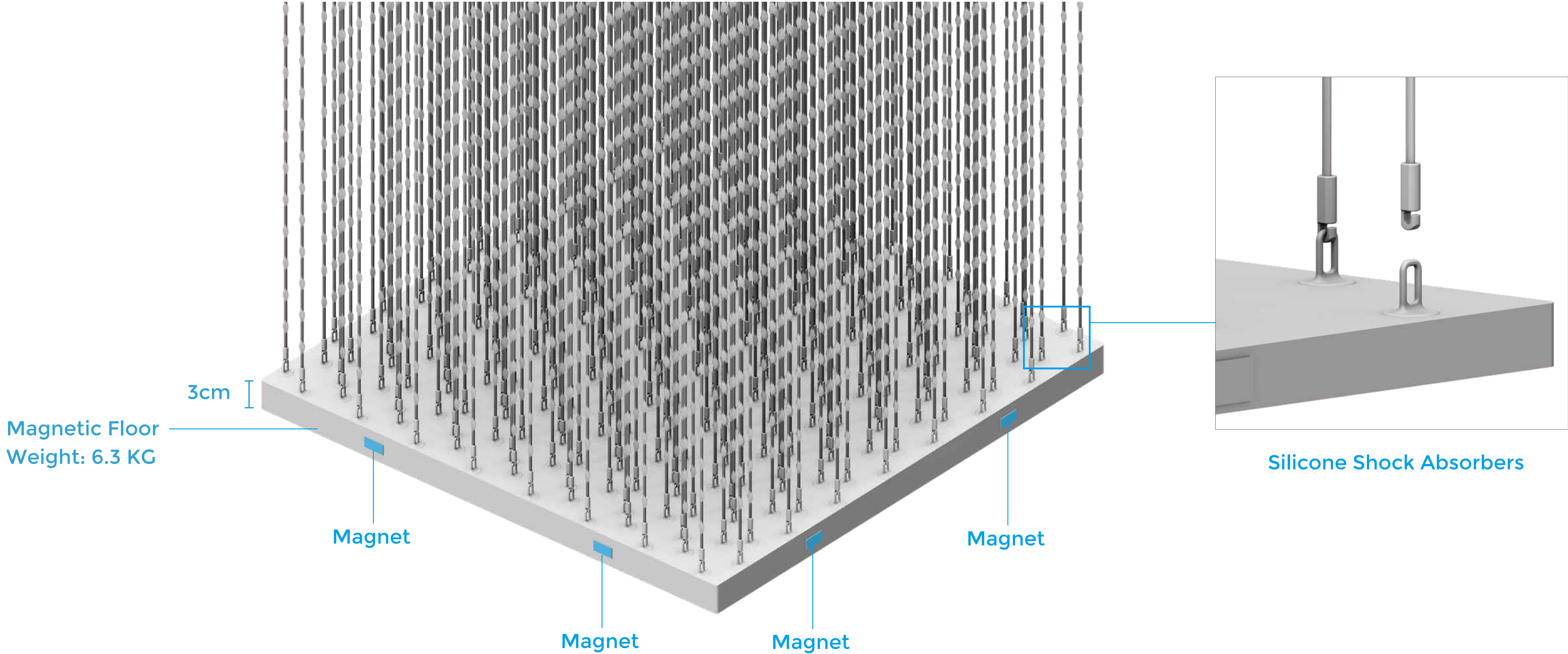


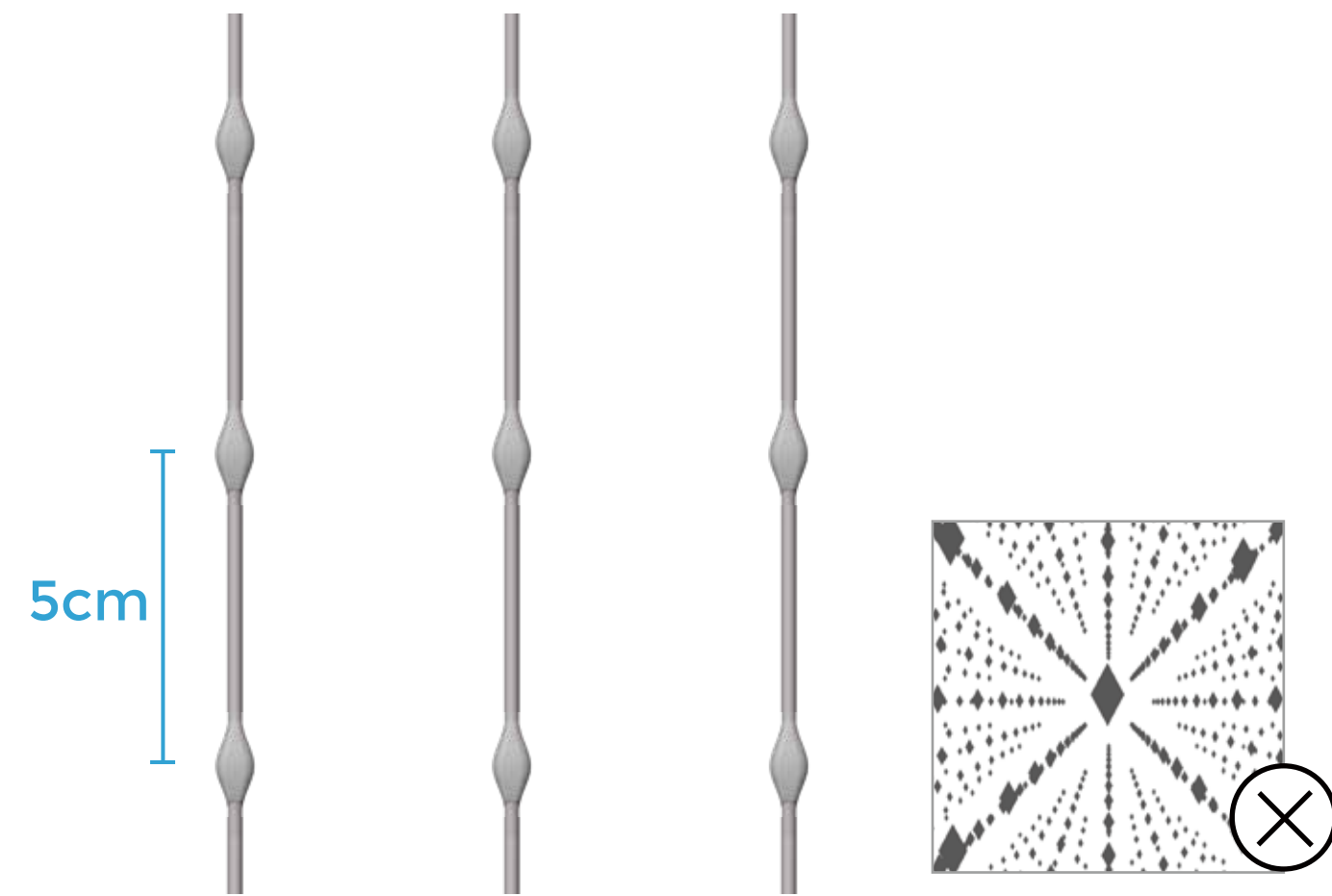
110 VAC (U.S) / 220 V (E.U), 20 A



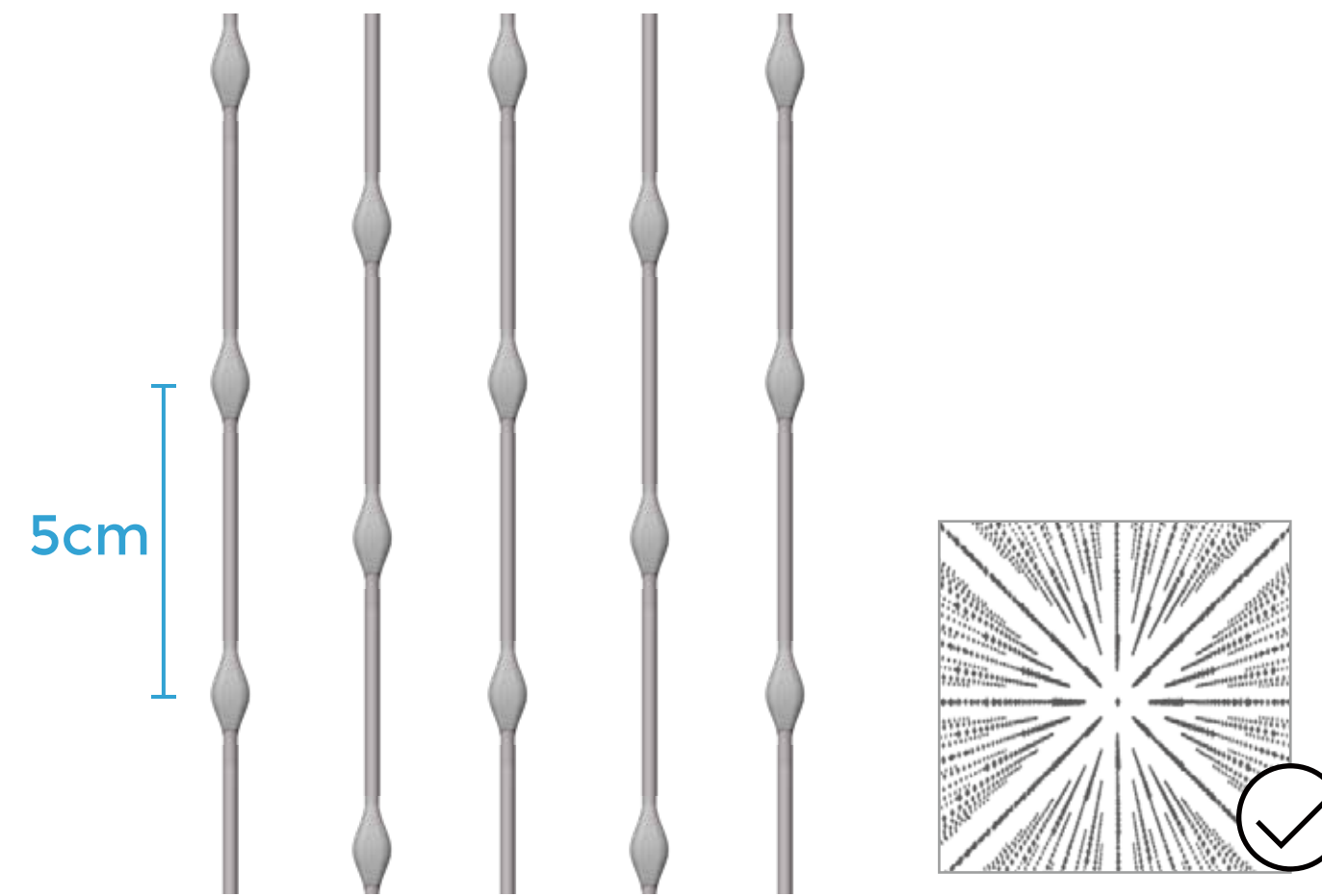
Standard Ethernet Tx (signal)

Standard Ethernet Rx (signal)

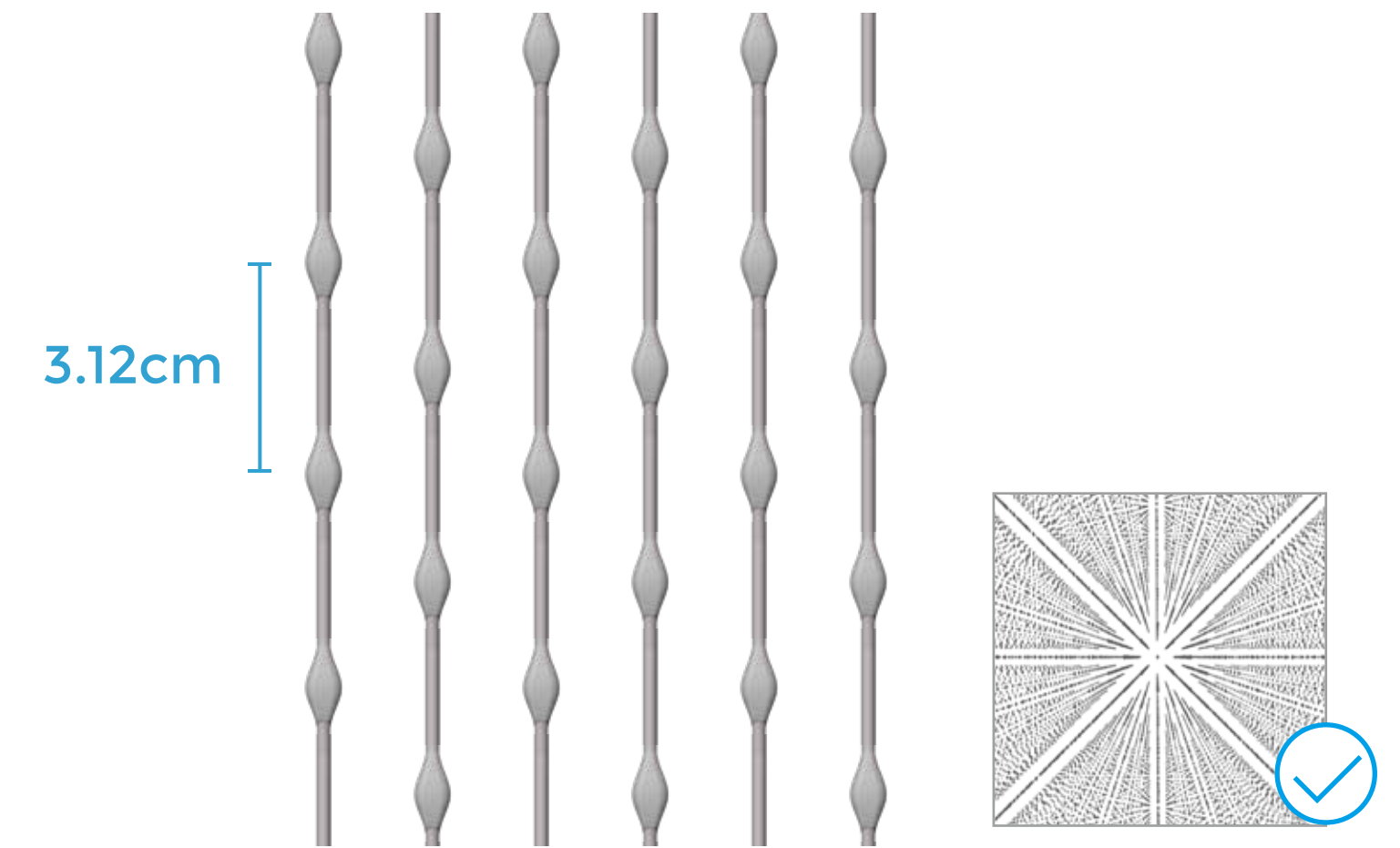




Traditional Matrix Arrangement



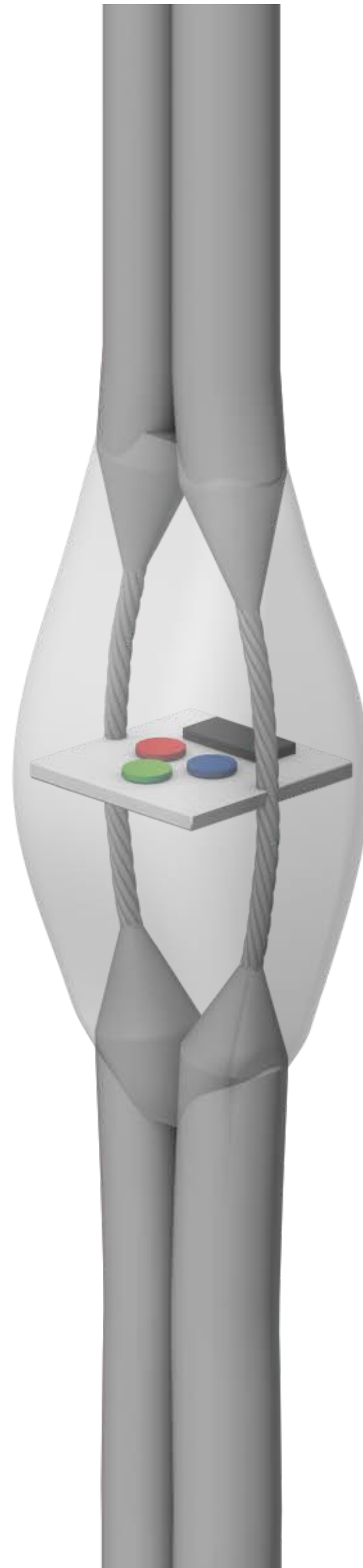
DragonO² ORGANIC Staggered Arrangement



DragonO³ ORGANIC Staggered Arrangement

ORGANIC (Voxel Distribution with 1.56cm Effective Pitch)

Unlike traditional 5 cm matrix layouts locked to coarse resolution, our unique ORGANIC layout uses a staggered arrangement. By offsetting half of the LED strips, DragonO² simulates a 2.5 cm pitch using standard 5 cm hardware, doubling the visual resolution at no extra cost. DragonO³ refines this further: with 3.12 cm physical spacing and the same staggered design, it achieves a 1.56 cm effective pitch—about 1.6× higher resolution and 2.6× greater voxel density than DragonO²—delivering smoother gradients, sharper edges, and finer volumetric detail.

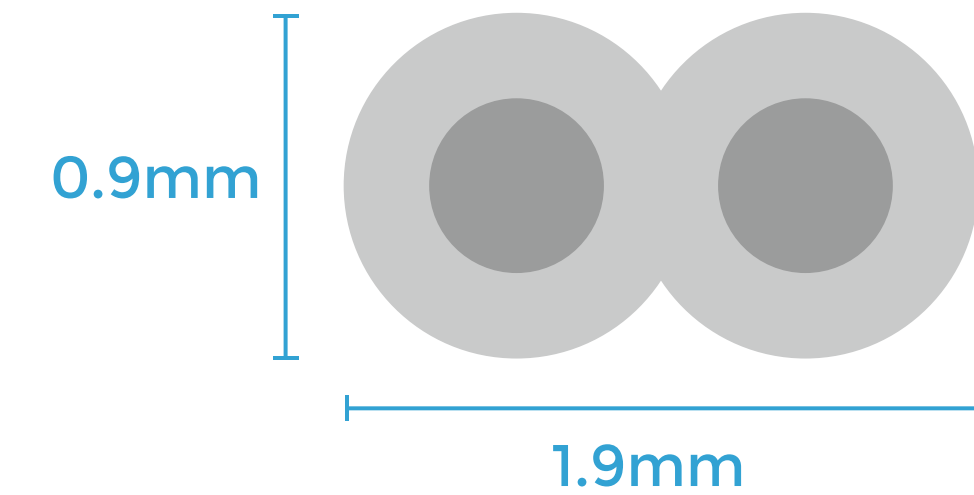


1.9mm



0.9mm

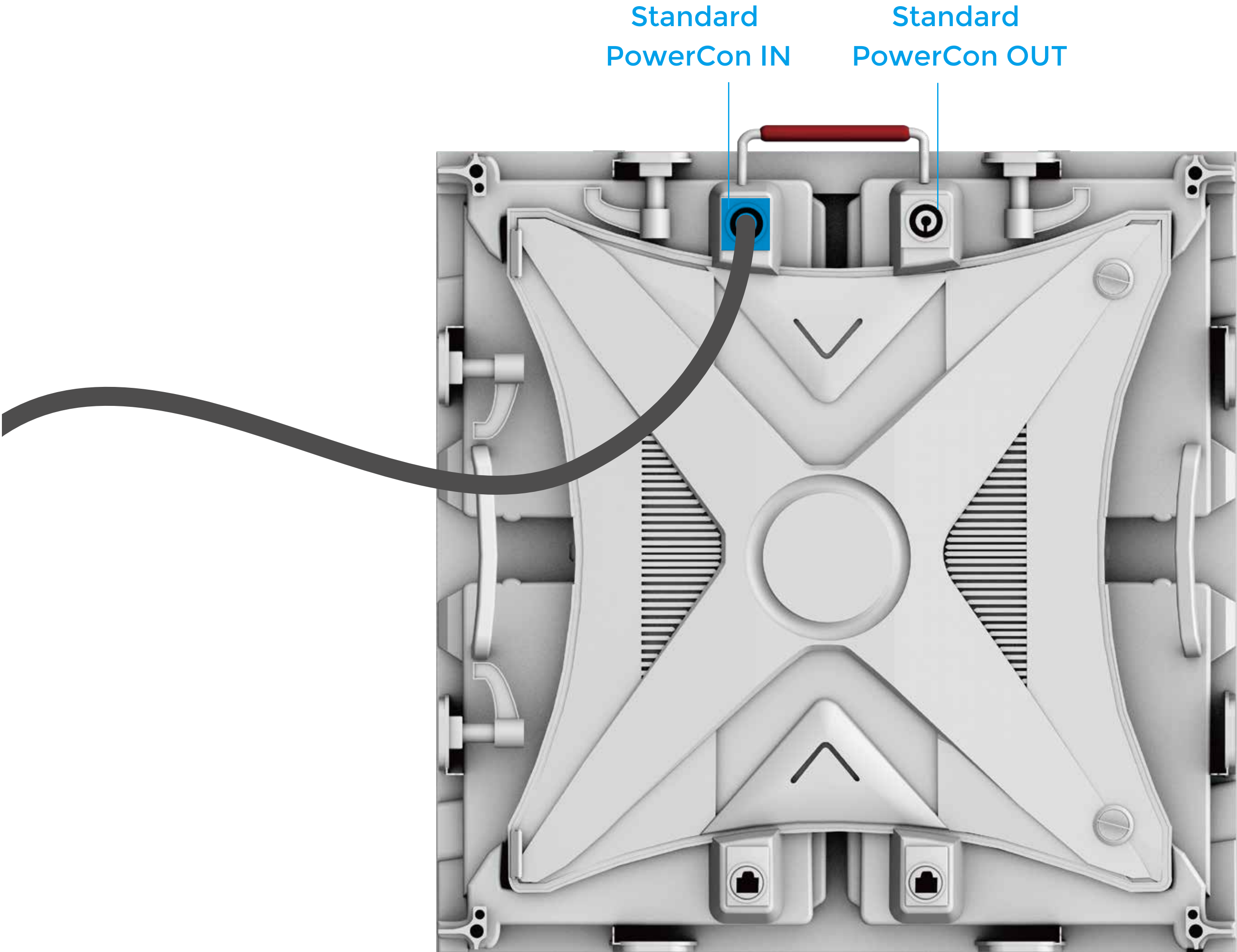
Average Diameter Ø 1.4mm

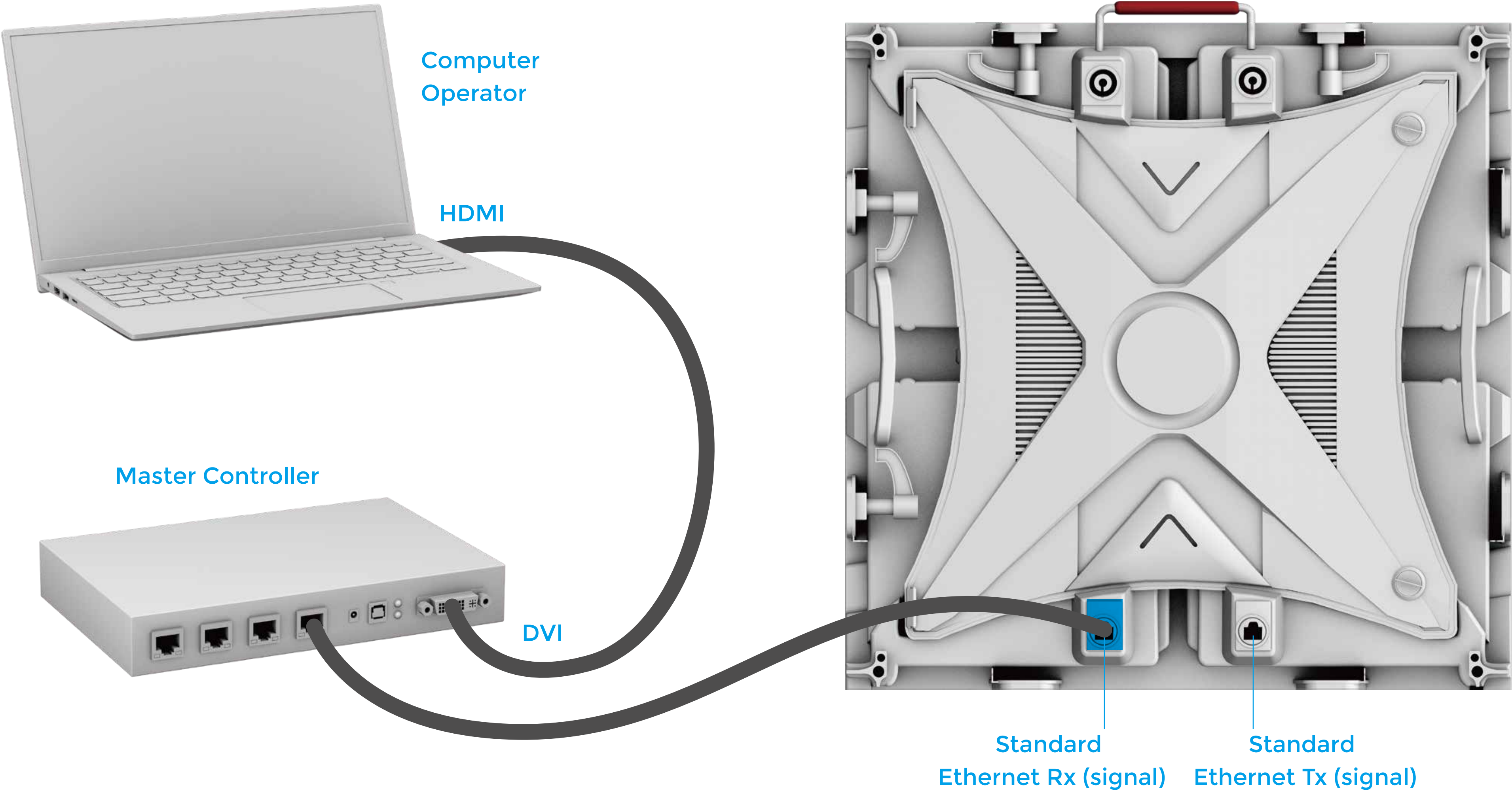


Ultra-Slim LED Strings for Maximum Transparency

DragonO³ 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, DragonO³ 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.

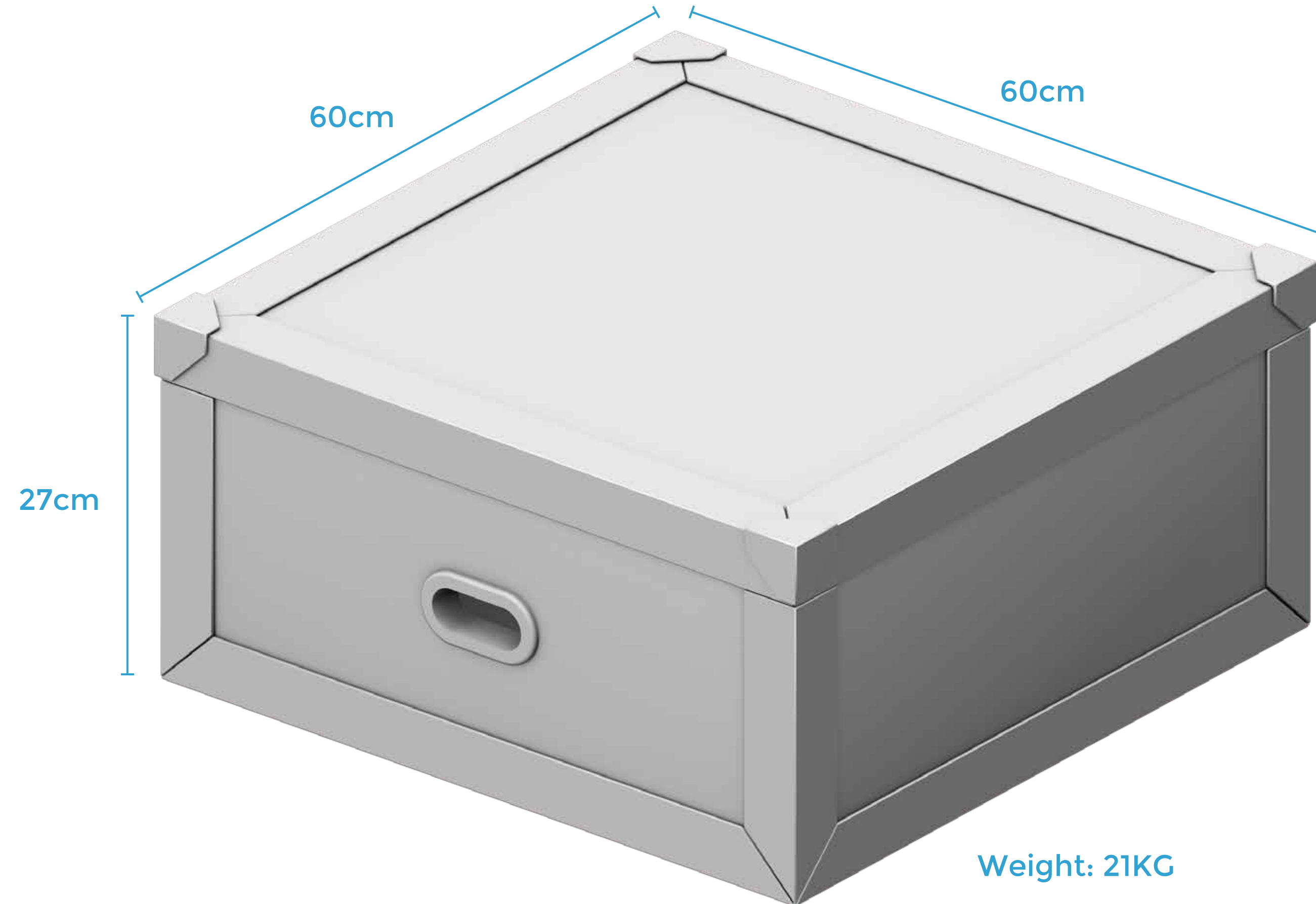
POWER LINE
110 VAC (U.S) / 220 V (E.U)
Standby (No content): 50W
Average (Standard content): 300W
Peak (Full white): 800W

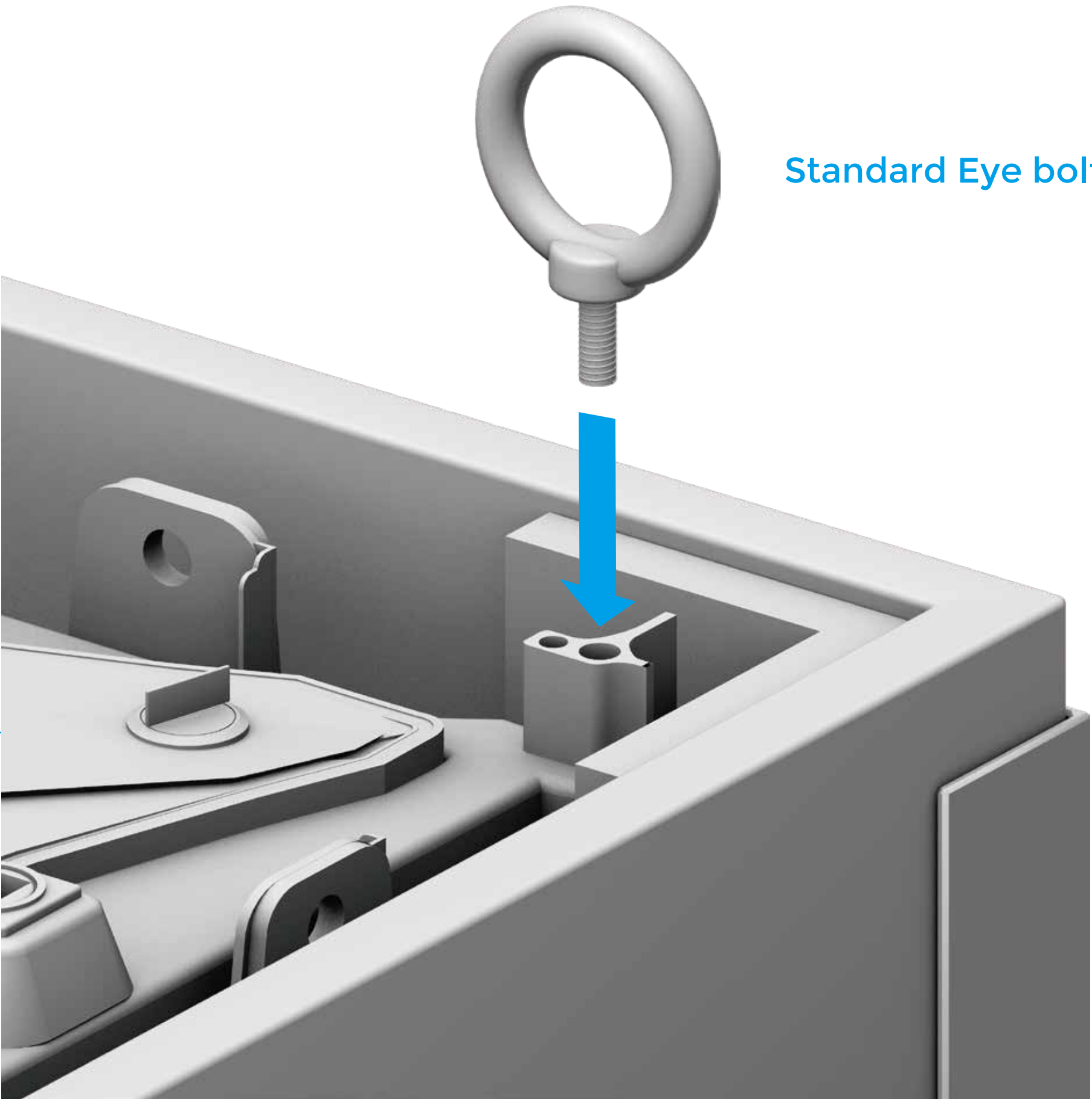
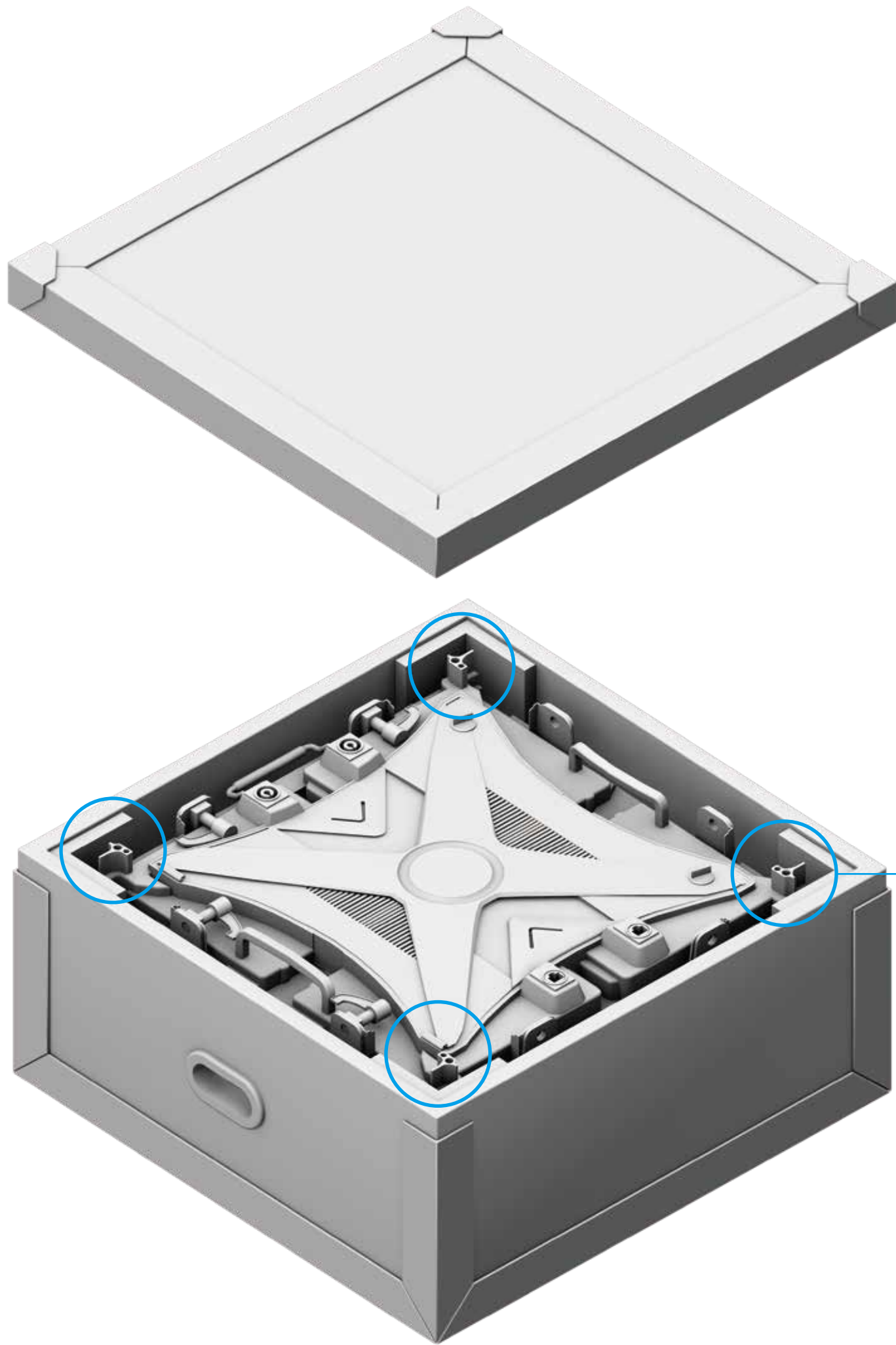




Packaging Specifications

DragonO³ 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.

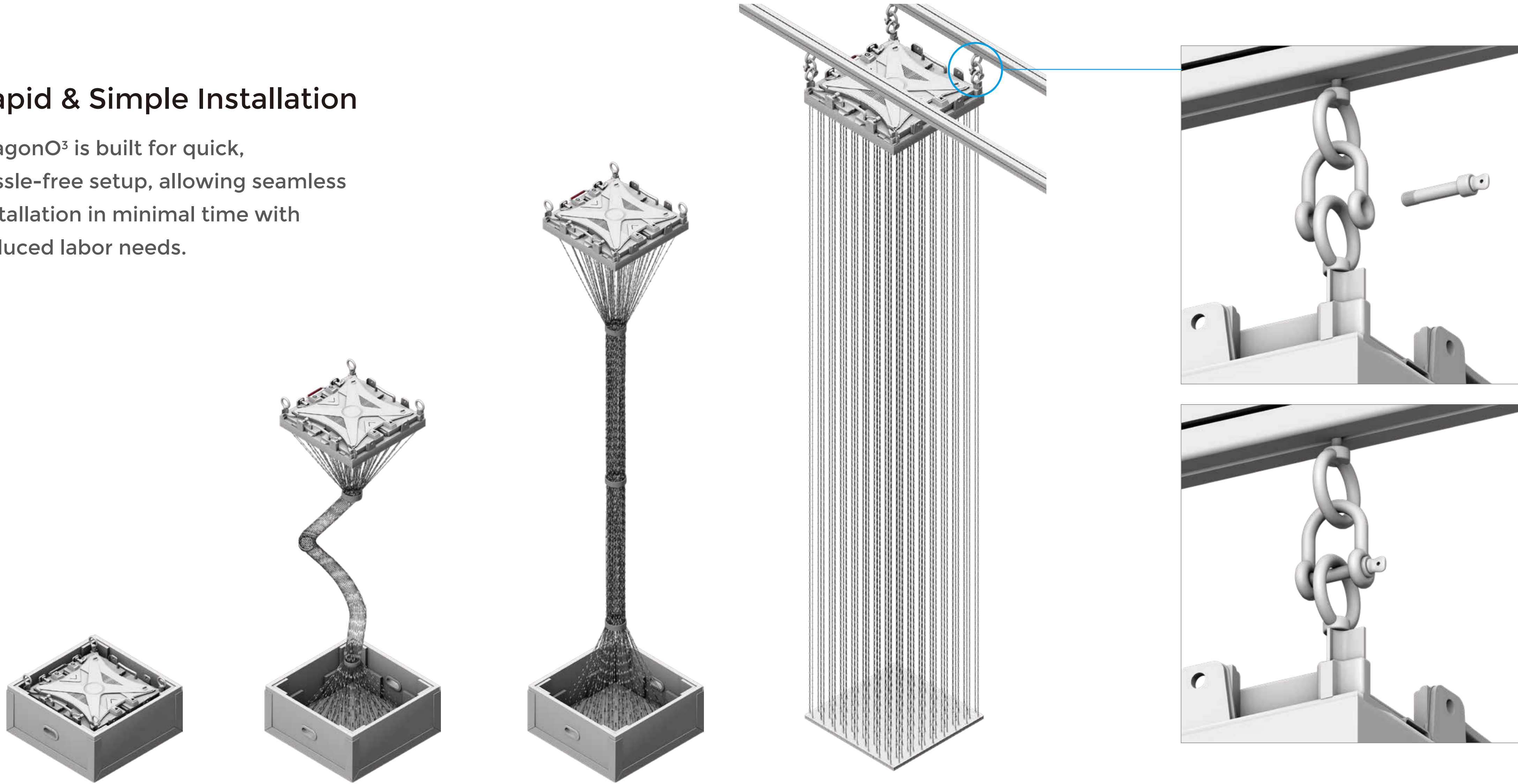


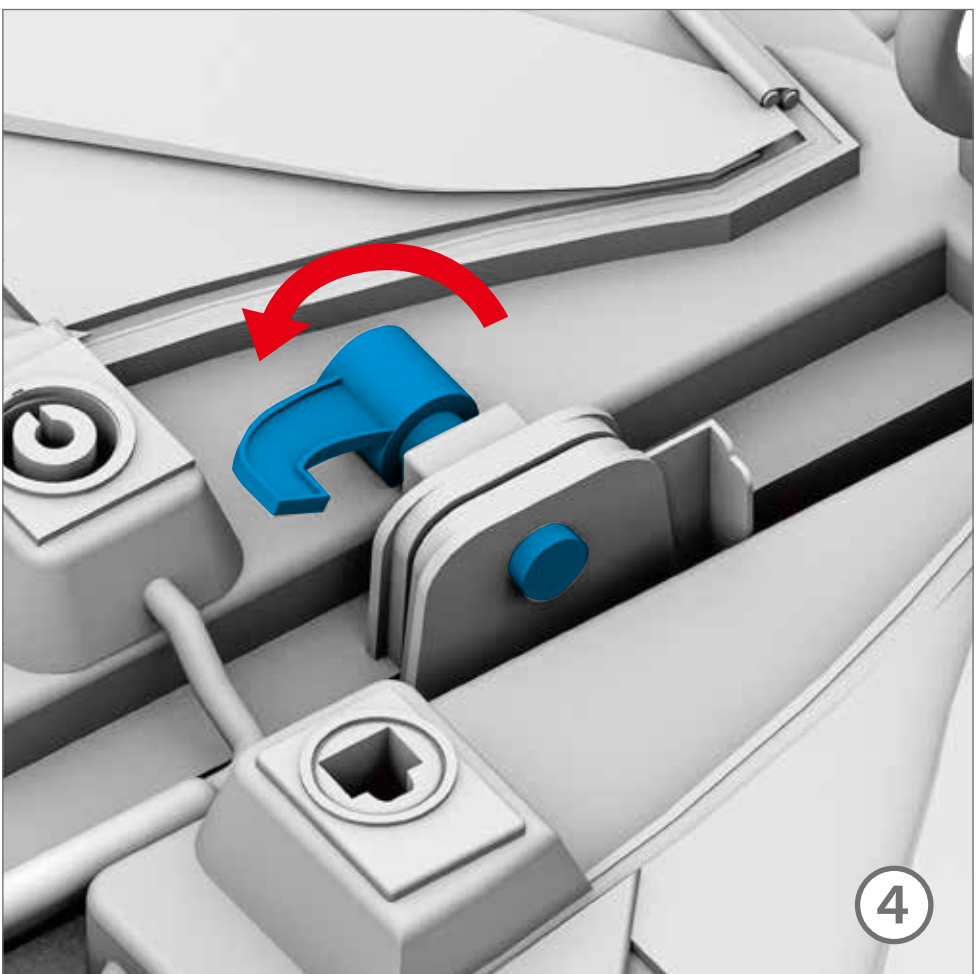
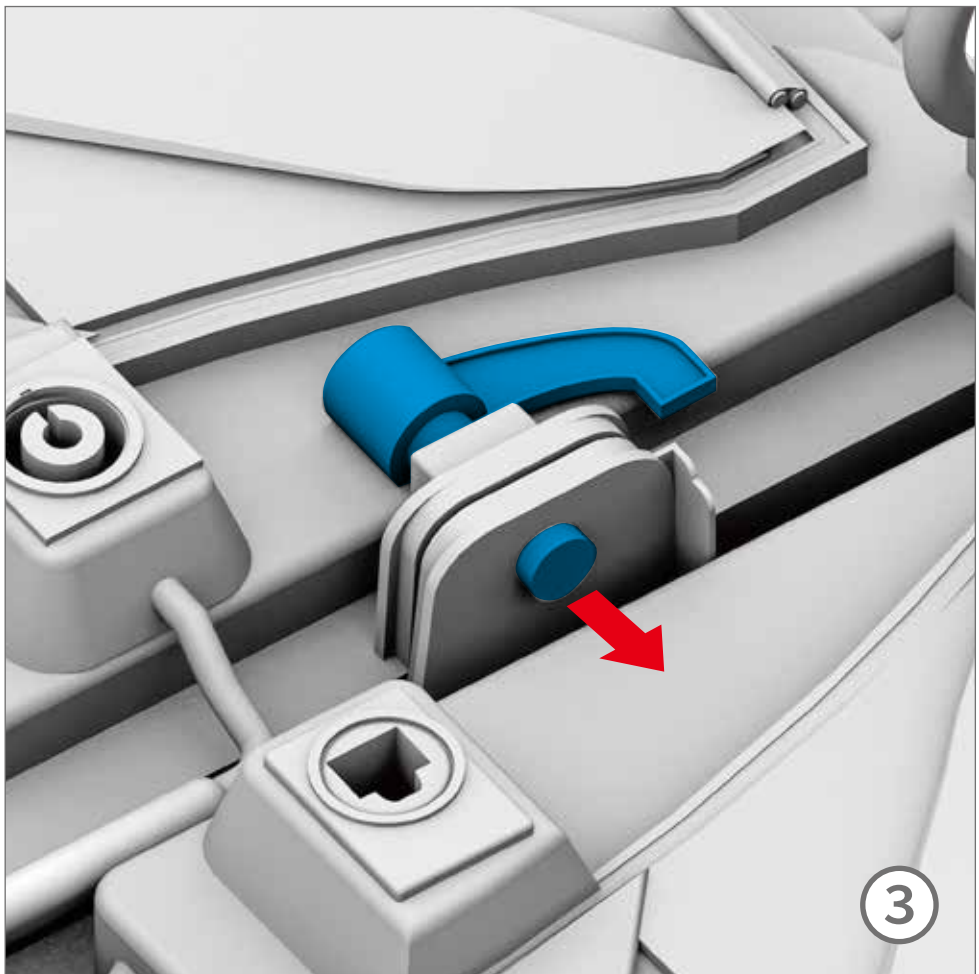
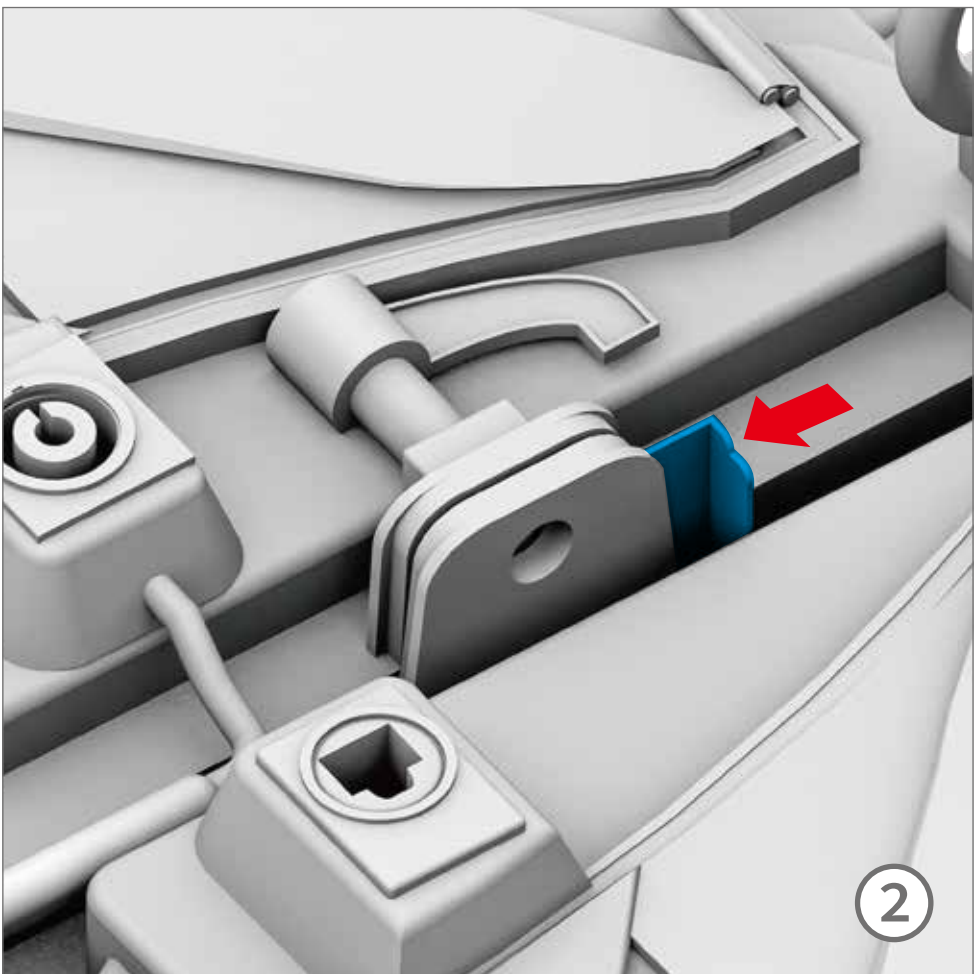
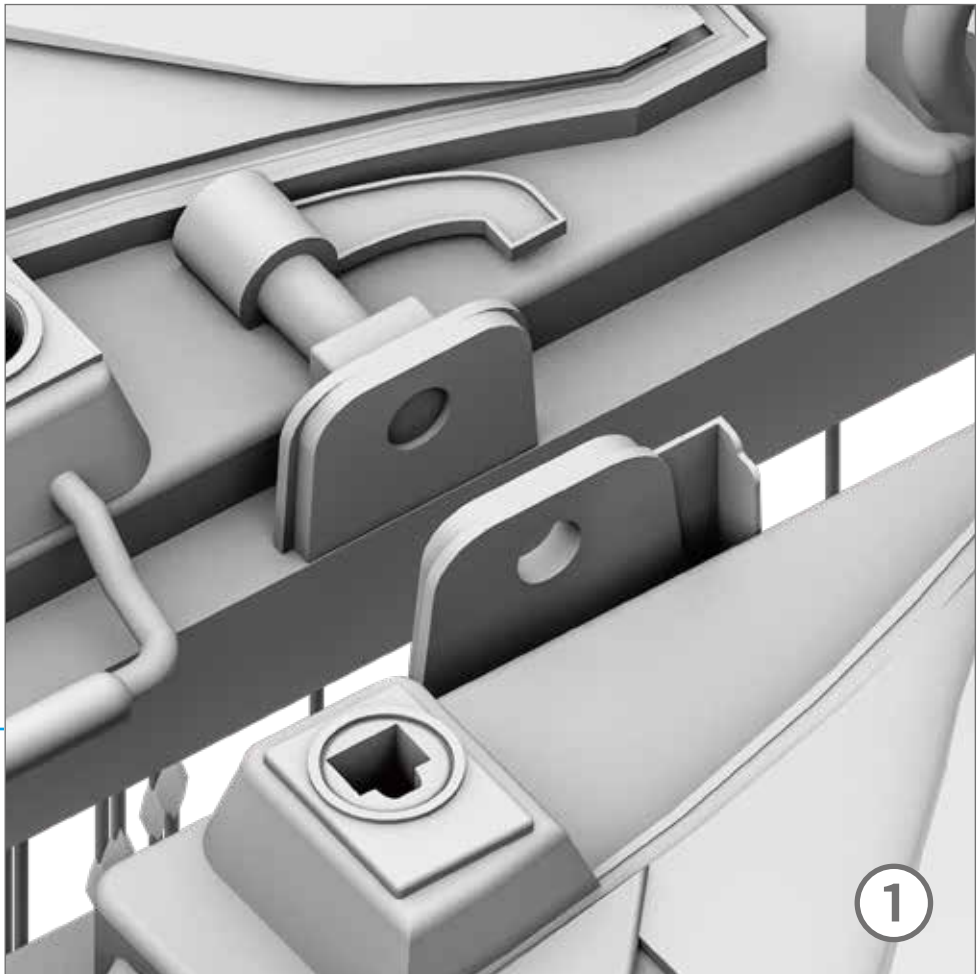
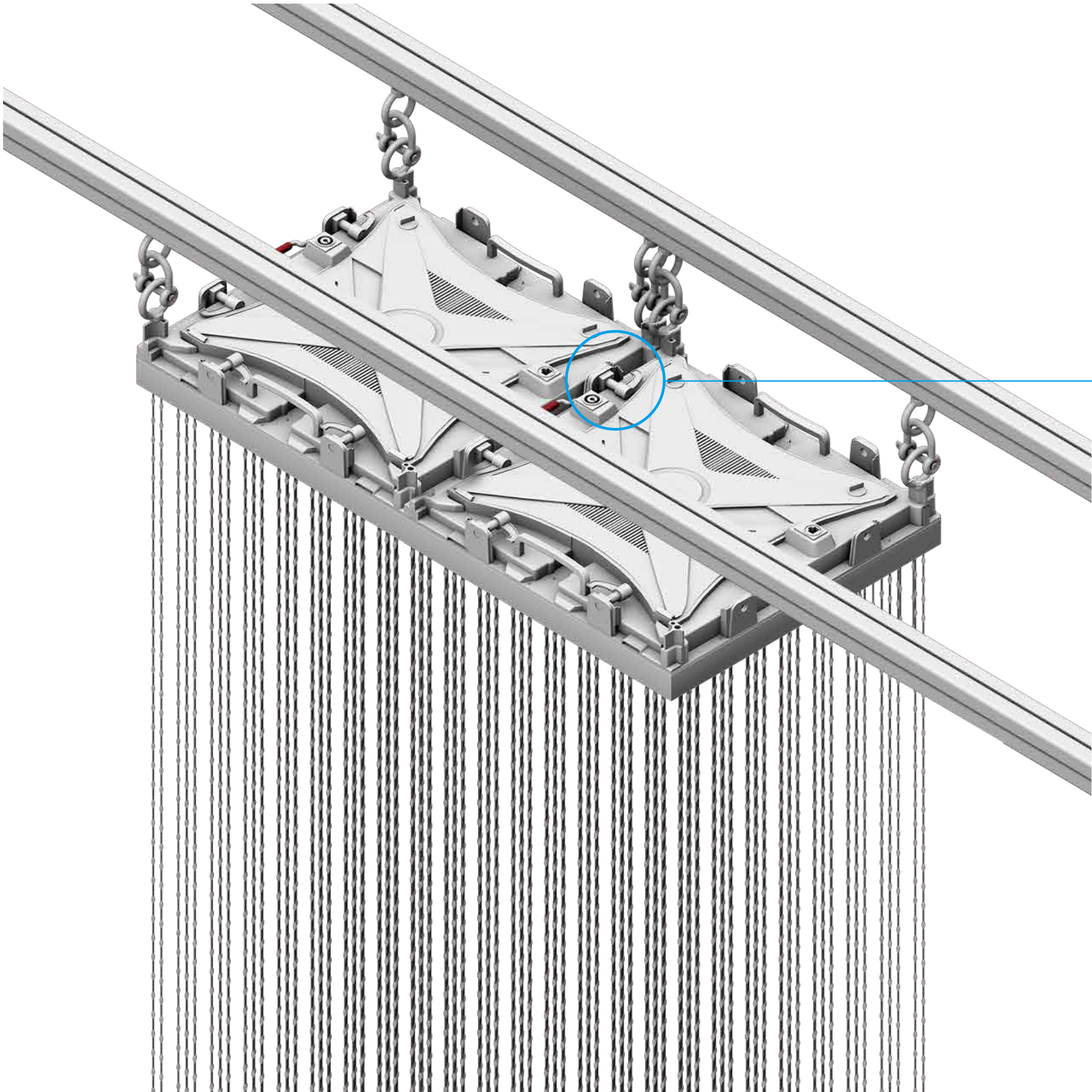


Standard Eye bolts

Rapid & Simple Installation

DragonO³ is built for quick, hassle-free setup, allowing seamless installation in minimal time with reduced labor needs.





DragonO³ 4 Modules Specifications

Module Size: 100cm x 100cm x 310cm

Strings Height: 3m (Can be customized)

Strings: 1,024 Strings

Voxels: 98,304 LED Neurons

Weight: 98KG

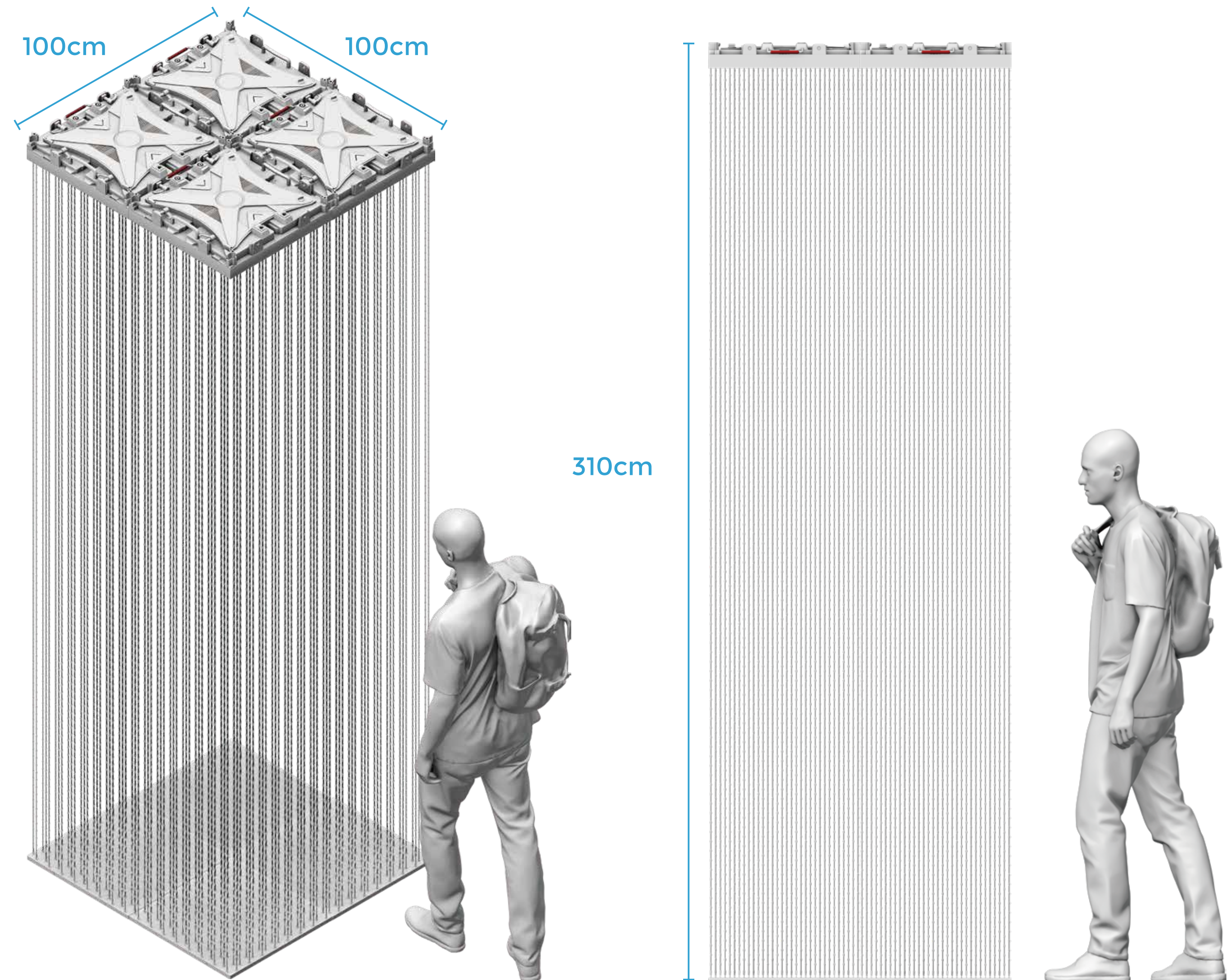
System: ORGANIC (Voxel distribution 1.56cm pitch)

Power consumption per module

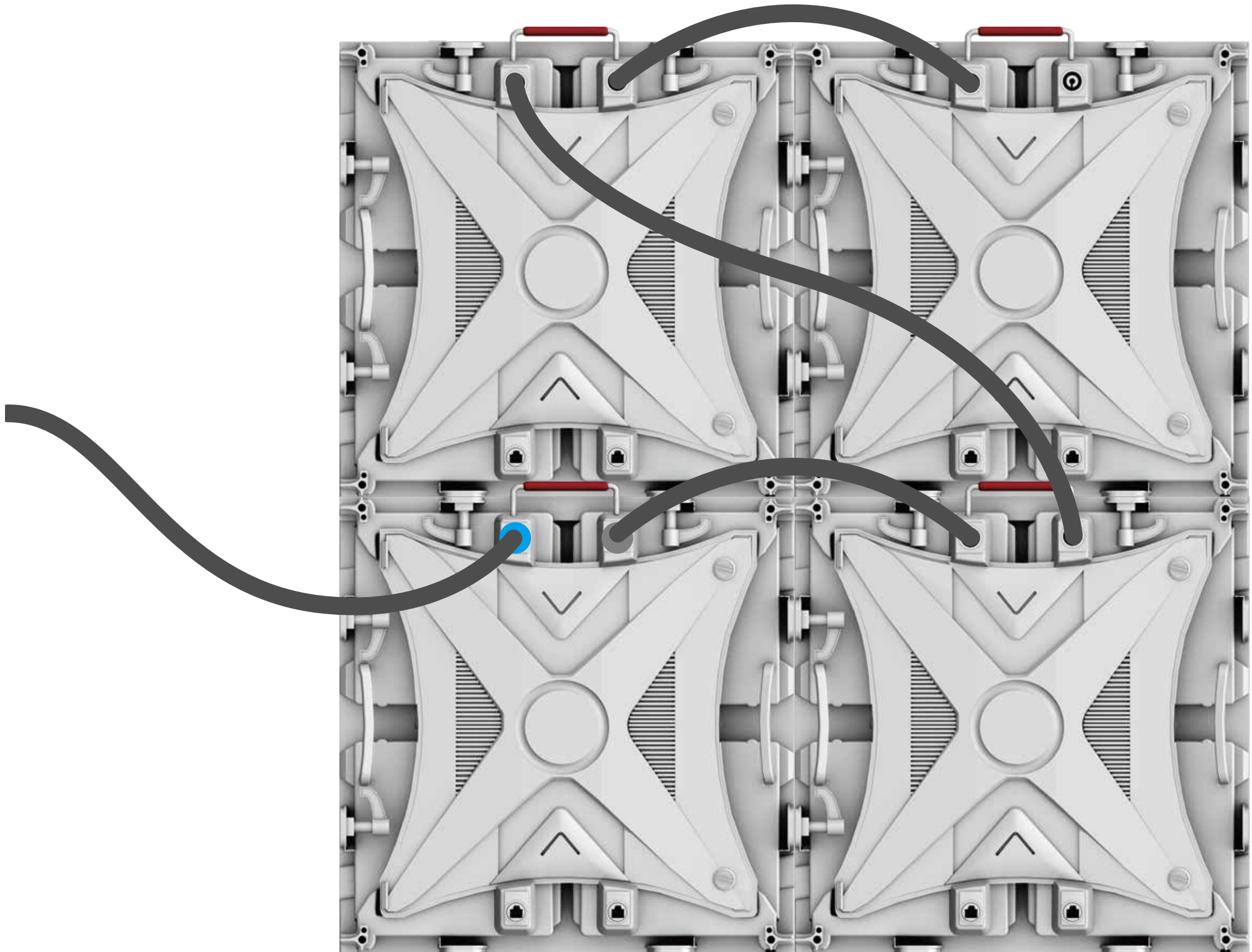
Standby (No content): 200W

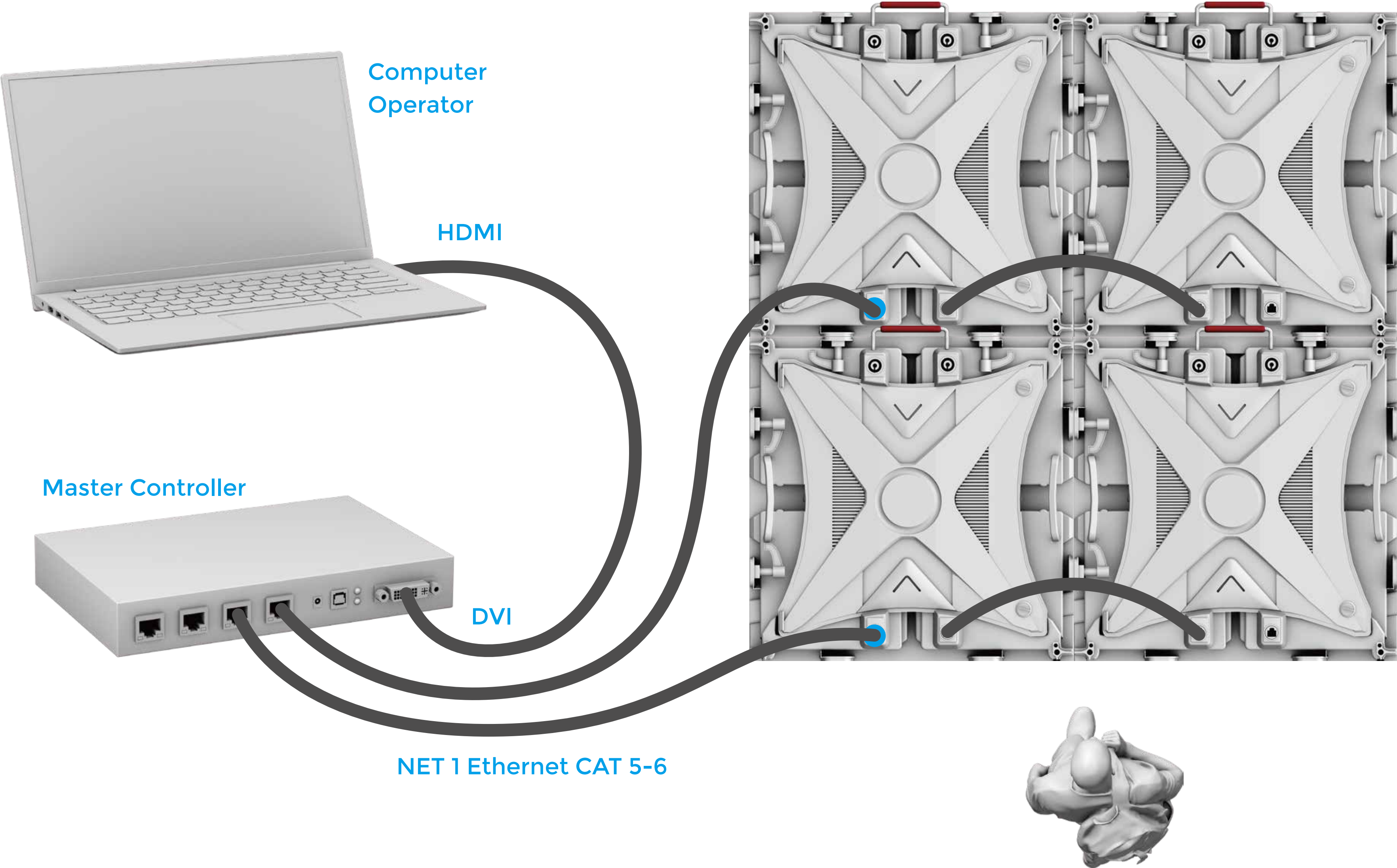
Average (Standard content): 1,200W

Peak (Full white): 3,200 W



POWER LINE
110 VAC (U.S) / 220 V (E.U)
Standby (No content): 200W
Average (Standard content): 1,200W
Peak (Full white): 3,200W





DragonO³ 9 Modules Specifications

Module Size: 150cm x 150cm x 310cm

Strings Height: 3m (Can be customized)

Strings: 2,304 Strings

Voxels: 221,184 LED Neurons

Weight: 220.5KG

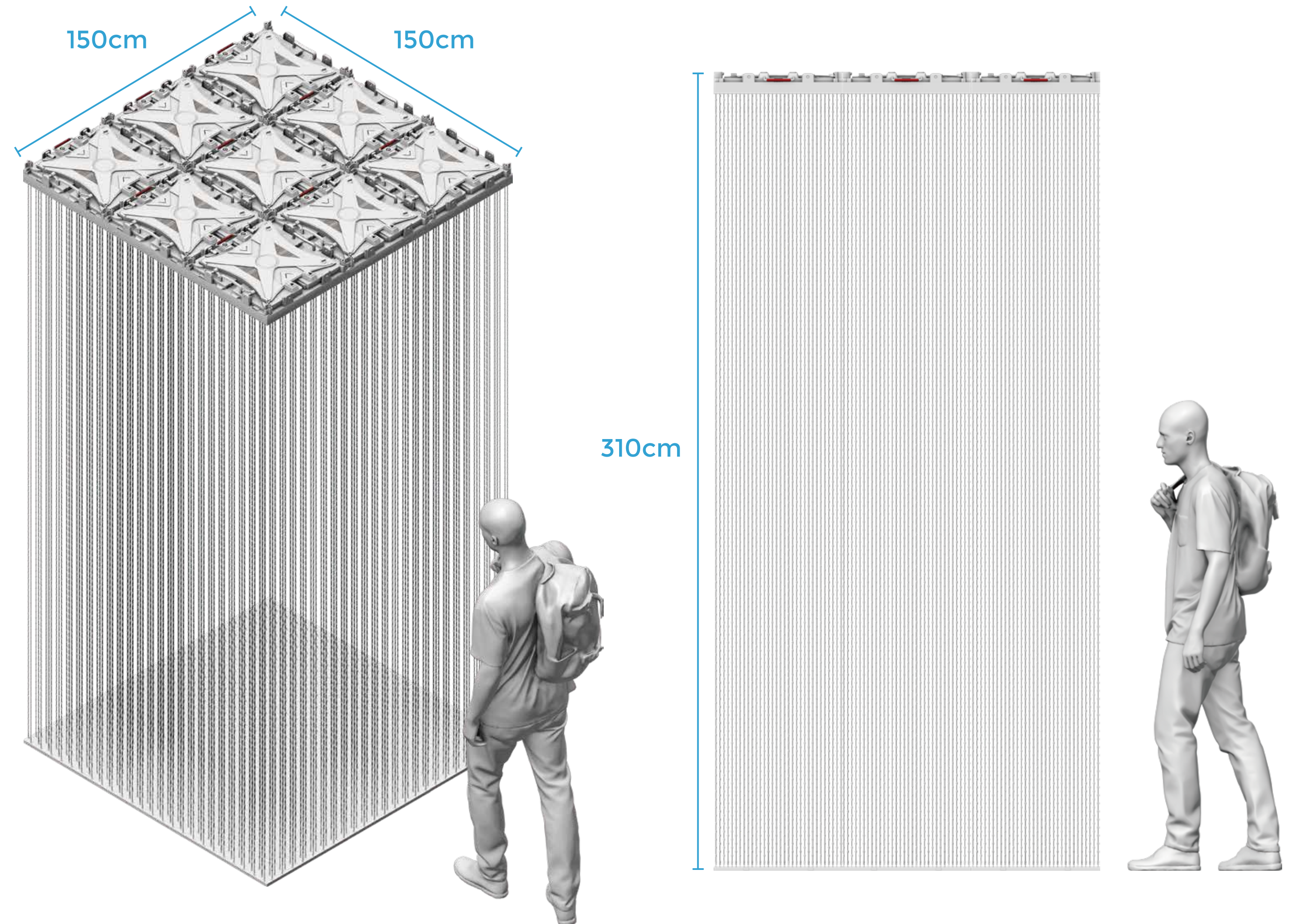
System: ORGANIC (Voxel distribution 1.56cm pitch)

Power consumption per module

Standby (No content): 450W

Average (Standard content): 2,700W

Peak (Full white): 7,200W



POWER LINE
110 VAC (U.S) / 220 V (E.U)
Standby (No content): 450W
Average (Standard content): 2,700W
Peak (Full white): 7,200W

