

BlueWaters Plaza

Technical Information for Events

V 12

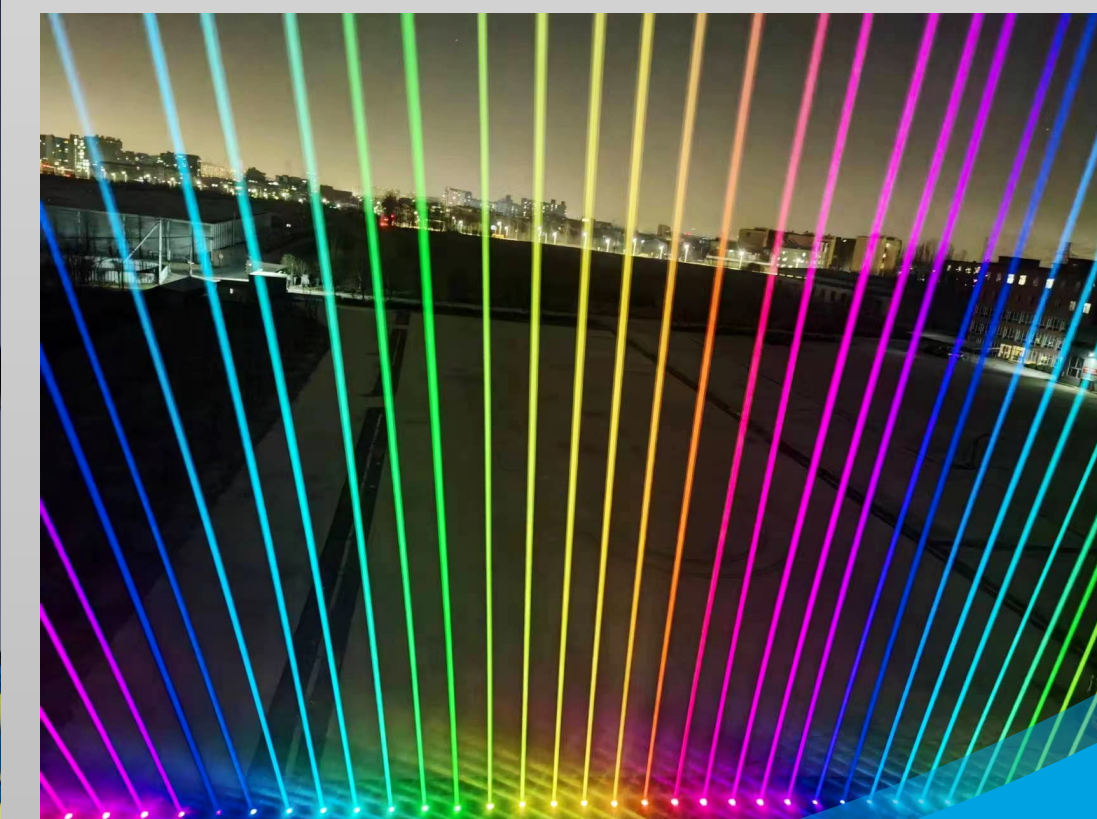
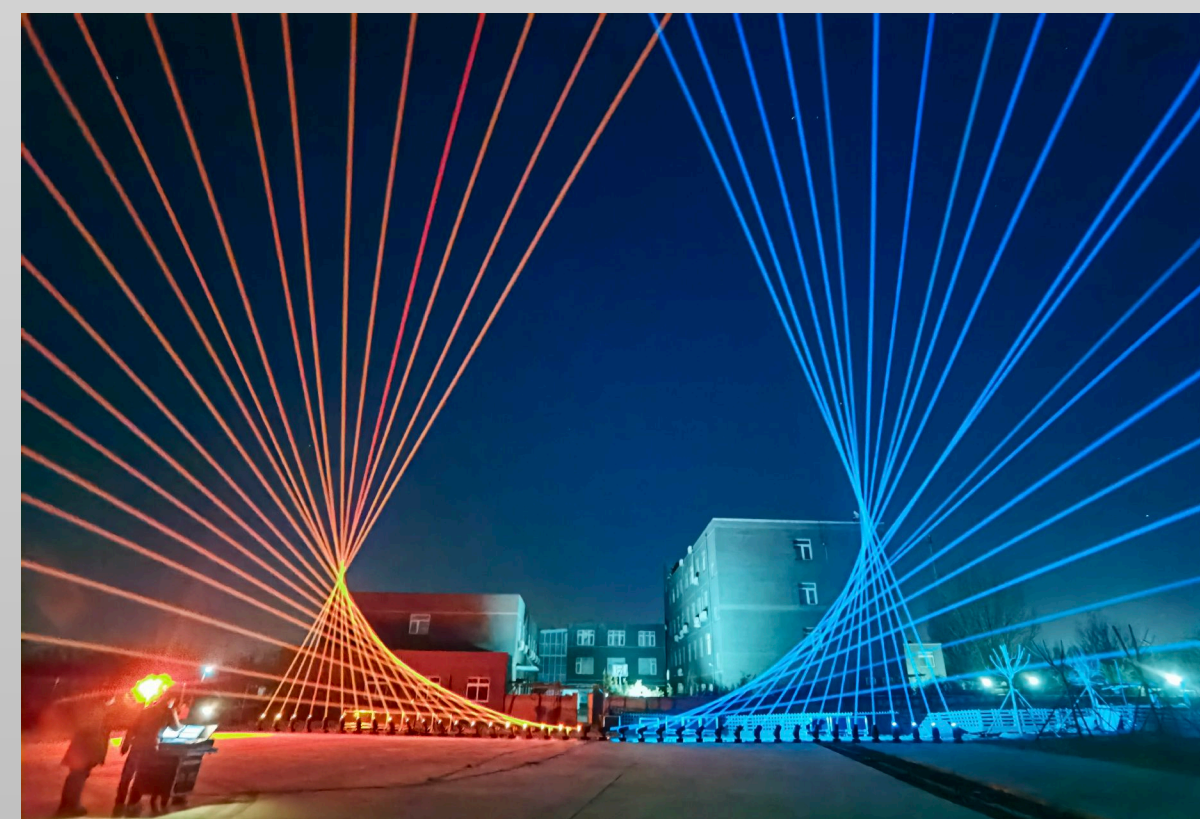
MEEN RGB300 - Professional Luminaire with RGB Laser Source



The **MEEN** RGB300 is an innovative beam moving head with incredible light beam features. With its ultra low divergence of only 0.5° the beam is almost parallel even over long distances. The razor sharp light beam can be modulated directly with RGB values because of its RGB Laser engine.

MEEN RGB300 - Specs

| | |
|-------------------|--------------------------|
| Temperature Range | -20°C up to +45°C |
| IP Rating | IP66 |
| Material | Aviation Magnesium Alloy |
| Light source | 300 W RGB Laser Engine |
| Angle | 0.5° |
| Luminance | 450,000 lx @ 30m |
| Rated Life (LP70) | 15,000 hours |
| Static Gobo | -/- |
| Rotating Gobo | -/- |
| Colors | Unlimited |
| Color mixture | Direct RGB Modulation |
| Prism | -/- |
| Frost | -/- |



MEEN RGB300+ - Professional Luminaire with RGB Laser Source

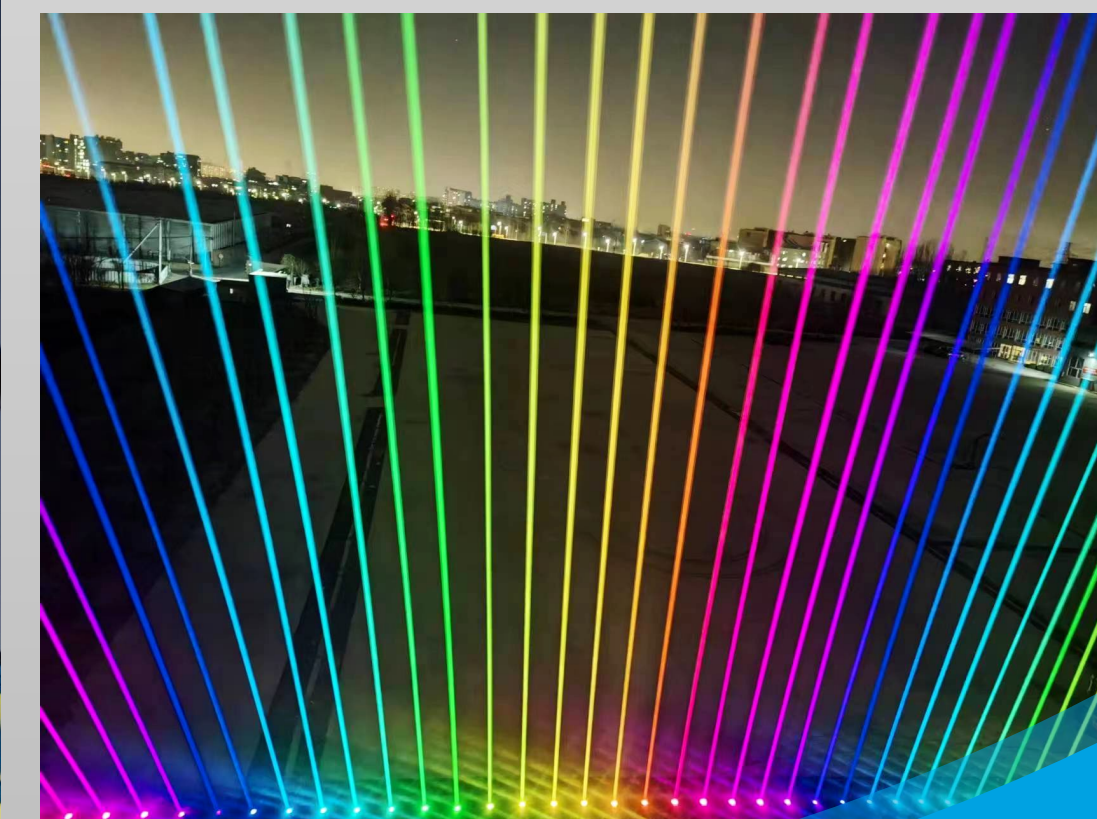
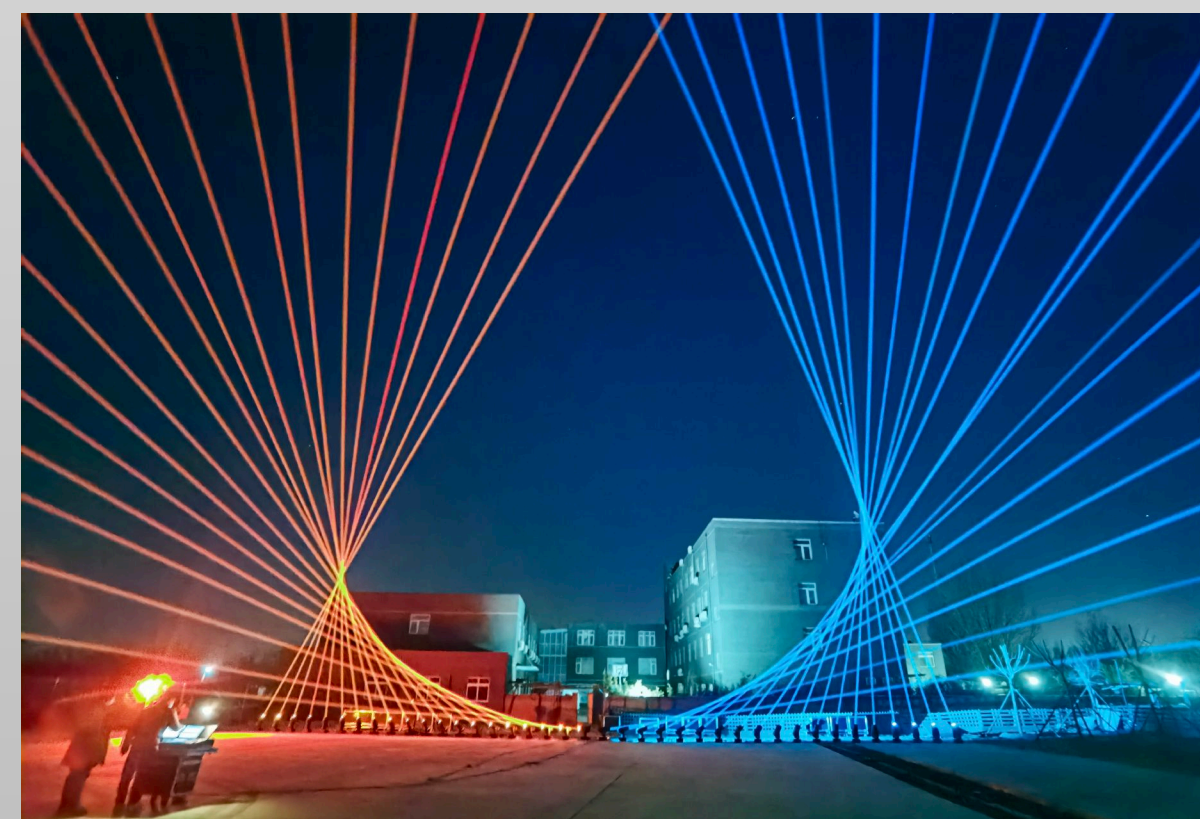


The **MEEN** RGB300+ is an innovative beam moving head with incredible light beam features. With its ultra low divergence of only 0.5° the beam is almost parallel even over long distances. The razor sharp light beam can be modulated directly with RGB values because of its RGB Laser engine.

In addition to the RGB300 it features prism and fixed gobo effects.

MEEN RGB300+ - Specs

| | |
|-------------------|--------------------------|
| Temperature Range | -20°C up to +45°C |
| IP Rating | IP66 |
| Material | Aviation Magnesium Alloy |
| Light source | 300 W RGB Laser Engine |
| Angle | 0.5° |
| Luminance | 450,000 lx @ 30m |
| Rated Life (LP70) | 15,000 hours |
| Static Gobo | 17 + open |
| Rotating Gobo | -/- |
| Colors | Unlimited |
| Color mixture | Direct RGB Modulation |
| Prism | 8 facet prism, rotation |
| Frost | -/- |





MEEN SHARK Profile - Professional 4-in-1 LED Moving Head

Adopts 1200W LED white source, high brightness, long lifespan, Environmental Protection

High Precision Optical Lens System, $\phi 186\text{mm}$ front lens, 29000 lux@10m (the illumination can be reach 18300 lux@10m when using HIGH CRI filter)

Zoom from 6°-50°, uniform spot project, the edge brightness of the spot reach 85% of the center brightness. Beam full and uniform.

With BEAM, SPOT, WASH, PROFILE 4 in 1 function , powerful comprehensive function.

Two pcs rotation gobo wheel, each wheel with 6 pcs rotation gobo.

CMY color mixing system, which can create pure red, bright green and dark blue.

Linear CTO, color temperature change from 6500K to 3000K.

Professional Framing system : 8 facet & 4 blades framing shutters system, which can profile any direction's triangle, quadrilateral, fan-shaped, circular arc etc. and the whole framing system can rotate 90°.

IP66 rate, dustproof, waterproof, oilproof.

MEEN SHARK Profile - Specs

| | |
|-------------------|---|
| Temperature Range | -20°C up to +45°C |
| IP Rating | IP66 |
| Material | Aluminum |
| Light source | 1,200 W White LED |
| Angle | 6° - 50° Zoom, motorized focus |
| Luminance | 29,000 lx @ 10m |
| Rated Life (LP70) | 20,000 hours |
| Static Gobo | 19 Gobos + open |
| Rotating Gobo | 2 wheels each 6 rotating Gobos |
| Colors | 5 colors + white + 7 color effect wheel |
| Color mixture | CMY |
| Prism | 4 prism, bi-directional rotation, speed |
| Frost | light frost 1° and Heavy frost 20° |



MEEN AQUAPEARL-Pro - Professional LED Moving Head Wash



The **MEEN AQUAPEARL-PRO** is a long-life, high performance outdoor moving head light. The LED moving head wash light has excellent light quality, a wide selection of colors, and a high protection level for permanent outdoor use.

Multifunction: LED Beam and Wash in one, high brightness, long distance, and Wide range of applications.

Rotating front lens for countless vortex effects, "kaleidoscopic" effect
LED front ring individual LED control.

Built-in color calibration system, ensure consistent color mixing of each fixture.

MEEN AQUAPEARL-Pro - Specs

| | |
|-------------------|---|
| Temperature Range | -20°C up to +45°C |
| IP Rating | IP66 |
| Material | Metal base and Anti-fire Plastic |
| Light source | OSRAM 19pcs x 40W RGBW LEDs + LED ring |
| Angle | 4.5° - 60° Zoom |
| Luminance | 5,770 lx @ 10m |
| Rated Life (LP70) | 30,000 hours |
| Operation Modes | Wash, Beam, Kaleidoscope |
| Lens Rotation | Front lens 360° infinite rotation |
| Color Temperature | 2,500K to 10,000K |
| Color mixture | RGBW |
| Front ring AURA | Led chip can be controlled individually |
| CRI | Ra>75 |



MEEN BL300-IP - Professional Outdoor Blinder



The MEEN BL300-IP is a professional Stage Blinder with RGBY LEDs for fixed stage lighting. As the units are less high than conventional blinders we can easily integrate them into the stage design.

Color temperature : 3000-6000K Ra≥90

Compact , convenient for installation and delivery

Housing with high pressure engineering plastic, anti-UV, anti-high temperature and anti-aging.

MEEN BL300-IP - Specs

| | |
|-------------------|-------------------|
| Temperature Range | -20°C up to +45°C |
| IP Rating | IP65 |
| Material | Aluminum |
| Light source | 5 x 30W RGBY |
| Rated Life (LP70) | 50,000 hours |
| Operation Modes | Strobe, Dimmer |
| Color mixture | RGB |
| Luminous Flux | -/- |





Graphic Laser Setup

 Graphic Laser Positions

MEEN RGB25-IP - Professional Outdoor Laser Projector



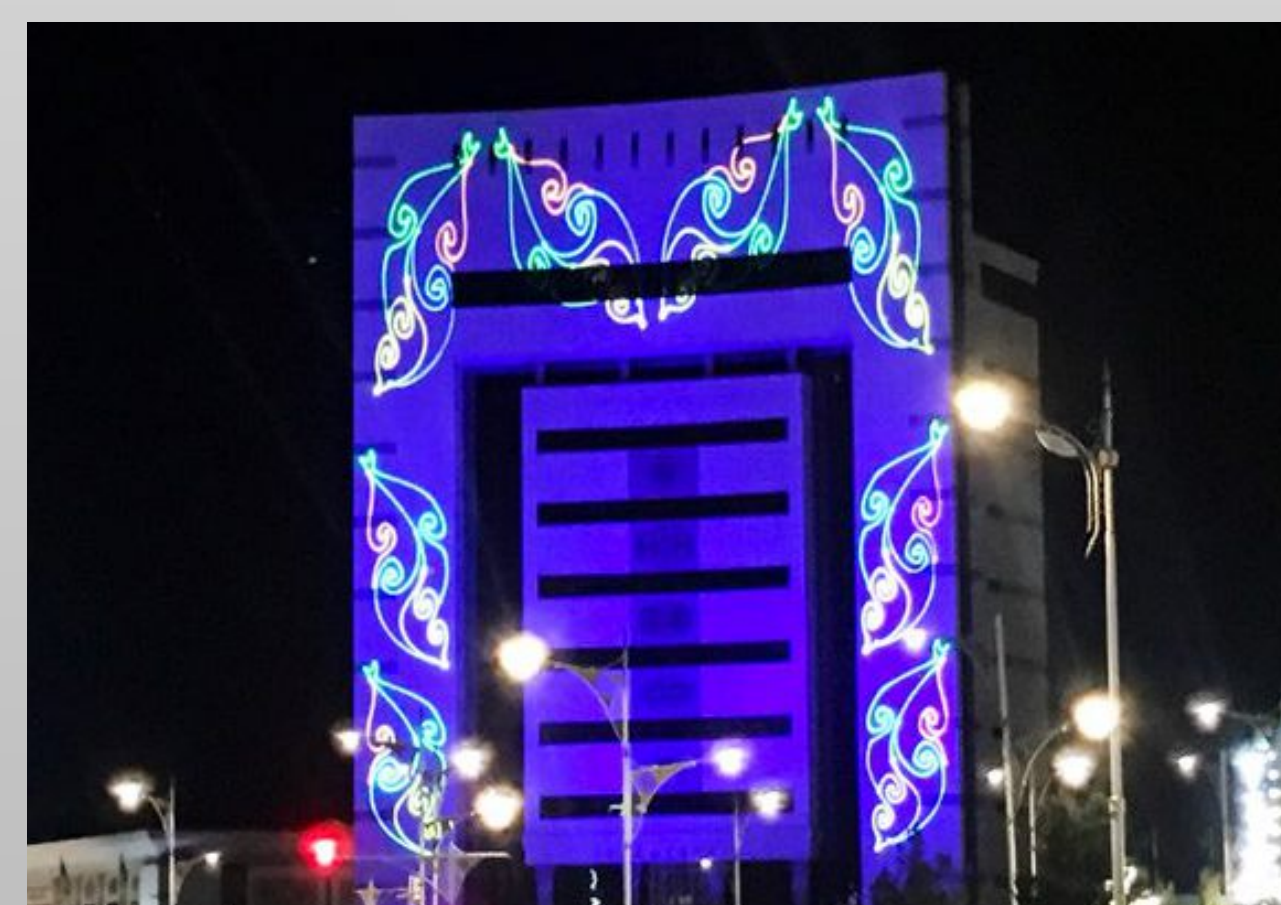
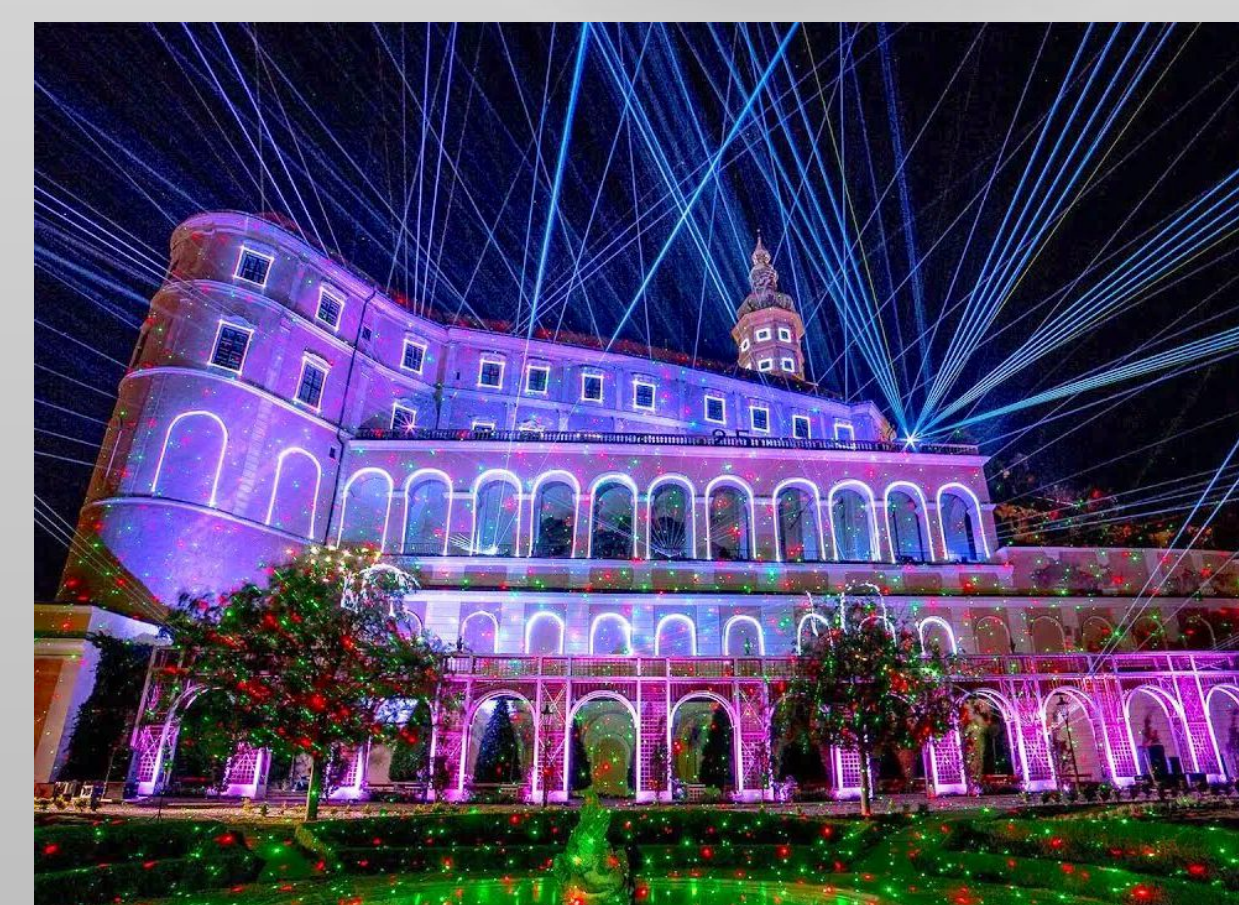
The **MEEN** RGB25-IP are especially designed for outdoor laser installations. They come equipped with the top quality laser setup, but have a waterproof enclosure that not only protects the components inside from water, but also shields off direct heat from solar exposure. To cope with varying temperatures, the **MEEN** RGB25-IP units are equipped with an active watercooling system, that is built into the housing.

The **MEEN** RGB25-IP is **made in Germany** and is a compact show laser system that is ideally suited for top professional laser show applications of any kind. The laser modules inside the **MEEN** RGB25-IP are different compared to other manufacturers- the spot size and shape is equal for all colors and on both axis!

The extremely small beam diameter allows for the use of very small mirrors, which results in reduced inertia and thus very good scanning performance.

MEEN RGB25IP - Specs

| | |
|-------------------|-------------------------------|
| Temperature Range | -10°C up to +45°C |
| IP Rating | IP65 |
| Output Power | 24,500 mW (637 - 525 - 455nm) |
| Beam Specs | Ca. 5.0 mm / <0.8 mrad |
| Scanner | 45kpps, max. 50° |
| Laser Source | RSL modules, made in Germany |
| Operation Mode | FB4 Laser Controller |





MEEN SL700-IP - Starry Laser Projector

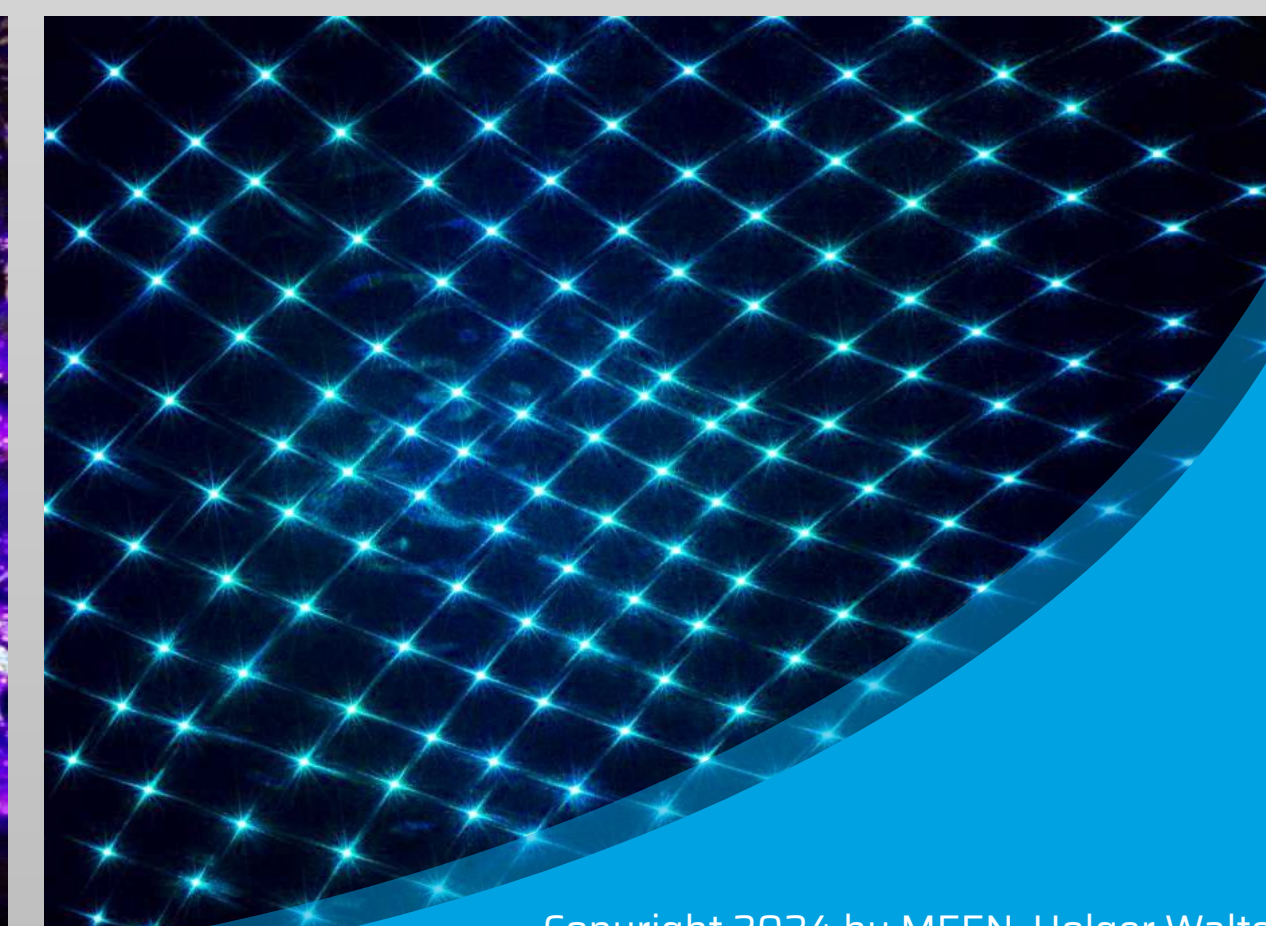
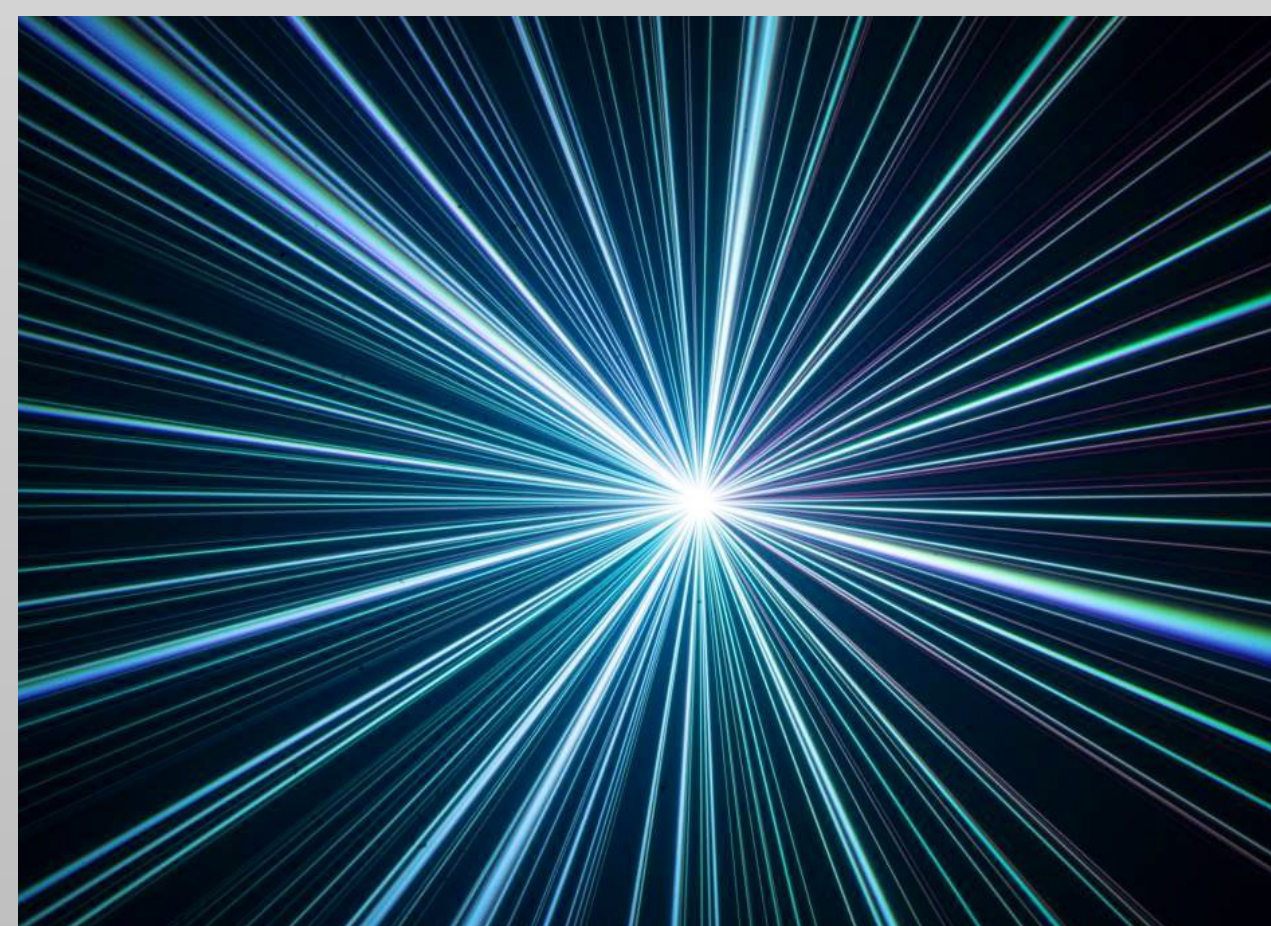
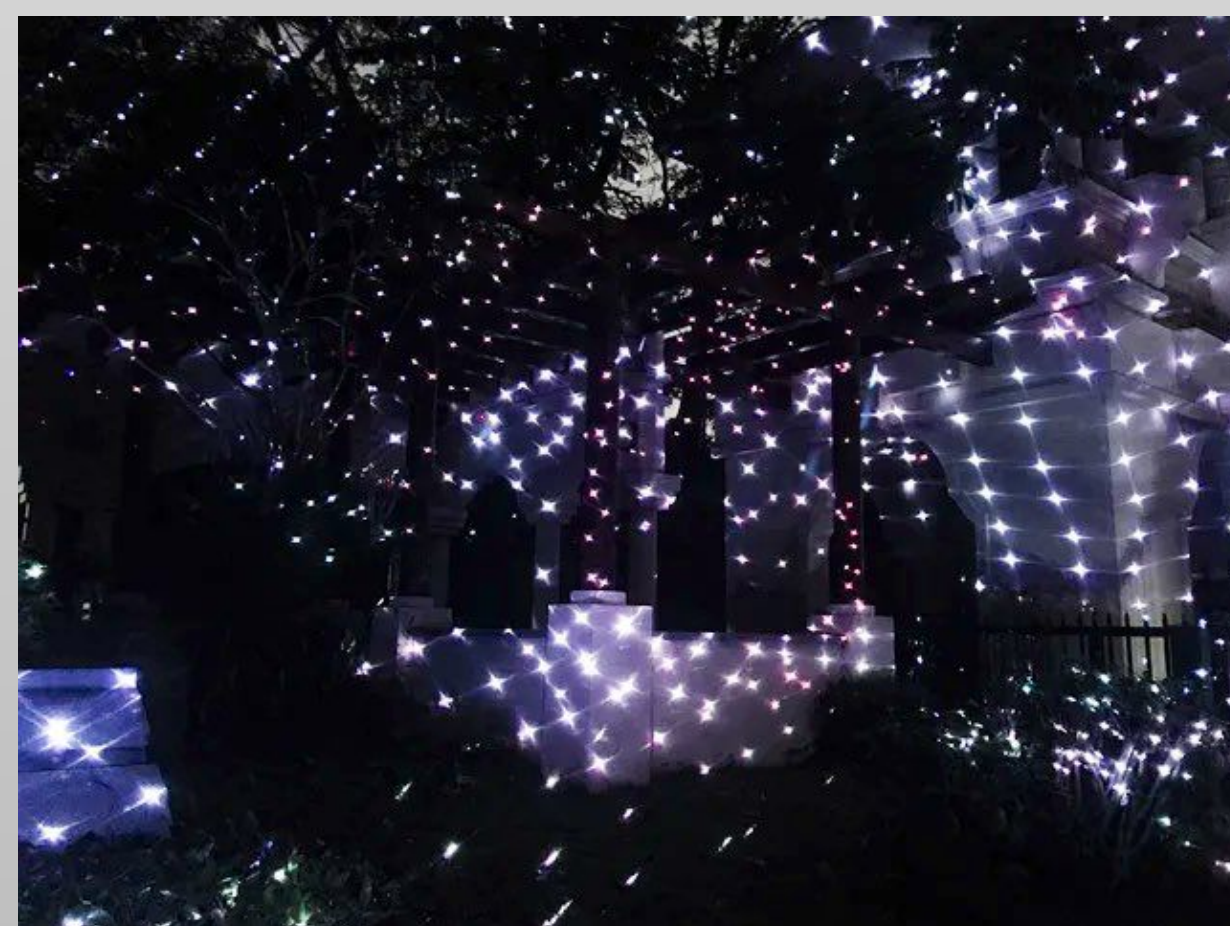
The **MEEN SL700-IP** is a RGB whitelight effects laser that is built IP65 waterproof, which makes it perfectly suitable for outdoor use. It projects a multitude of laser dots, different colors including white can be applied, as well as various fade and strobe effects.

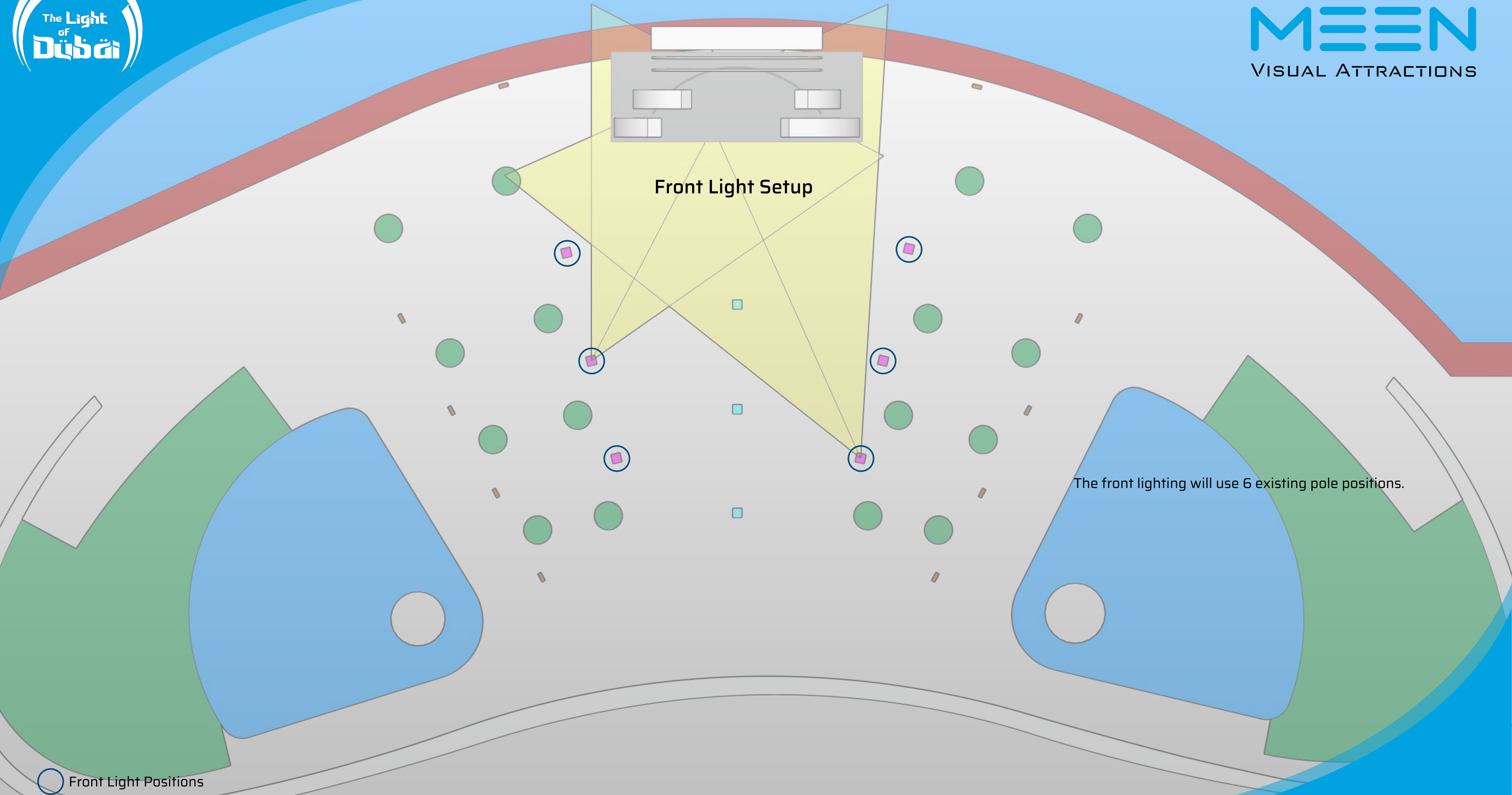
Due to the deflection of the effect the **MEEN SL700-IP** can cover a large area. The deflection angle is approximately 60°.

The multi-mirror deflection unit can rotate in both directions and at different speeds, which can either be controlled via DMX.

MEEN SL700-IP - Specs

| | |
|-------------------|----------------------------|
| Temperature Range | -10°C up to +45°C |
| IP Rating | IP65 |
| Output Power | 700 mW (637 - 525 - 455nm) |
| Beam Specs | Ca. 5.0 mm / <2 mrad |
| Scanner | Multi-mirror-reflection |
| Laser Source | Diode |
| Operation Mode | DMX512 |





Front Light Setup

The front lighting will use 6 existing pole positions.

Front Light Positions

Lighting & Laser Overview

| Fixtures | | Ring | Segments | Stage LED | Stage Floor | Poles | Audio Poles | Total |
|-----------------------|---------------------------------|-----------------------|----------|-----------|-------------|-------|-------------|-------|
| Lighting | RGB300 MH Beam Laser | 14 | | | | | | 14 |
| | RGB300+ MH Beam Laser | | 9 | 10 | 6 | 10 | | 35 |
| | SHARK Profile MH Profile LED | | 18 | | | | 12 | 30 |
| | AQUAPEARL MH Wash LED | | 11 | | | 20 | 6 | 37 |
| | BL300-IP Blinder 5x30W | | | 8 | | | | 8 |
| | Laser | RGB13-IP Laser 13W | | 2 | | | | 6 |
| RGB25-IP Laser 25W | | 1 | 2 | 3 | 2 | 8 | | 16 |
| SL700-IP FireFlu | | | 4 | | | 10 | 16 | 30 |
| Fog / Haze | BOA 64 Fog machine | | 4 | | 4 | | 8 | 16 |
| | Unique 2.1 Haze machine | | 2 | | | | | 2 |

OPTOMA ZU920T - Professional Installation Video Projector

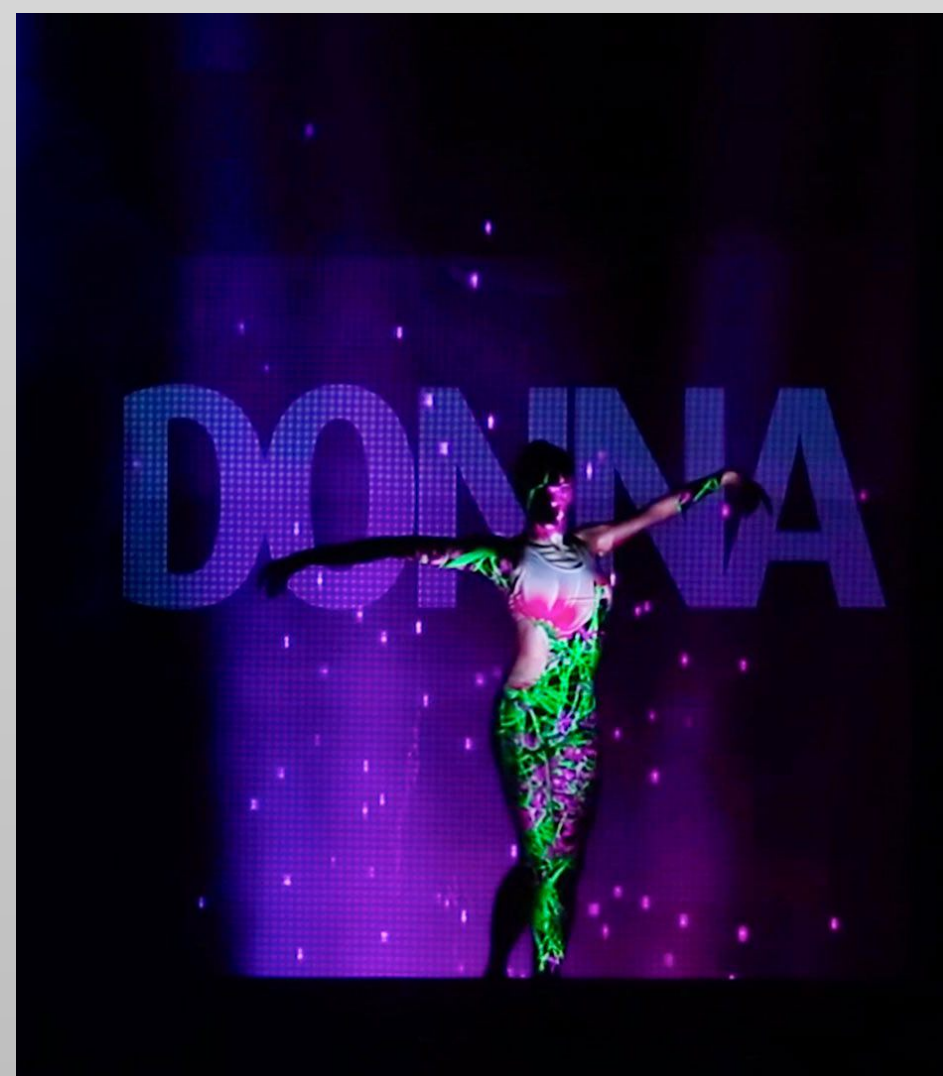
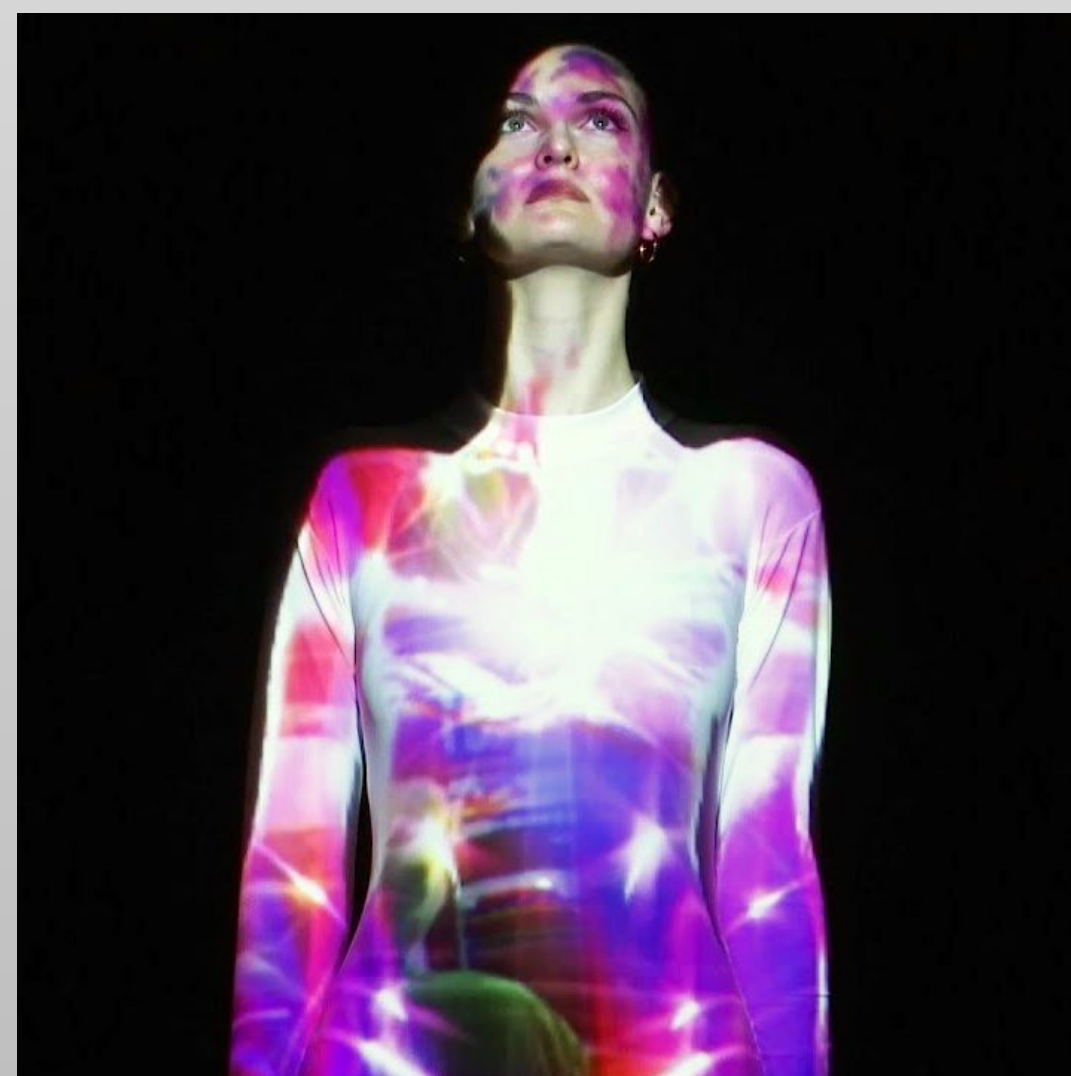


At 9800 lumens with 4K and HDR compatibility, the ZU920T features a dust-resistant IP5X certified optical engine for 24/7 operation capabilities, offering true maintenance-free projection for up to 30,000 hours of powerful performance in Eco mode. Other features include motorized zoom and focus, full motorized lens shift, and built-in dual 10W speakers.

The projectors will be installed in motorized and air conditioned cabinets inside the stage floor. This custom solution allows a safe storage during non-operation and a clean appearance of the stage setup.

OPTOMA ZU920T - Specs

| | |
|-------------------|---|
| Temperature Range | 15°C up to +45°C with equipped enclosure |
| IP Rating | IP5X, IP65 with equipped enclosure |
| Brightness | 9,800 Lumens |
| Resolution | WUXGA 1,920 x 1,200 pixel |
| Throw Ratio | 1.25:1 - 2:1 |
| Light Source | DuraCore Laser |
| Zoom | 1.6 motorized |
| Lens Shift | Vertical: +/-55%, Horizontal: +/-25%, motorized |
| Focus | Motorized |
| Lamp Life | 30,000 hours |





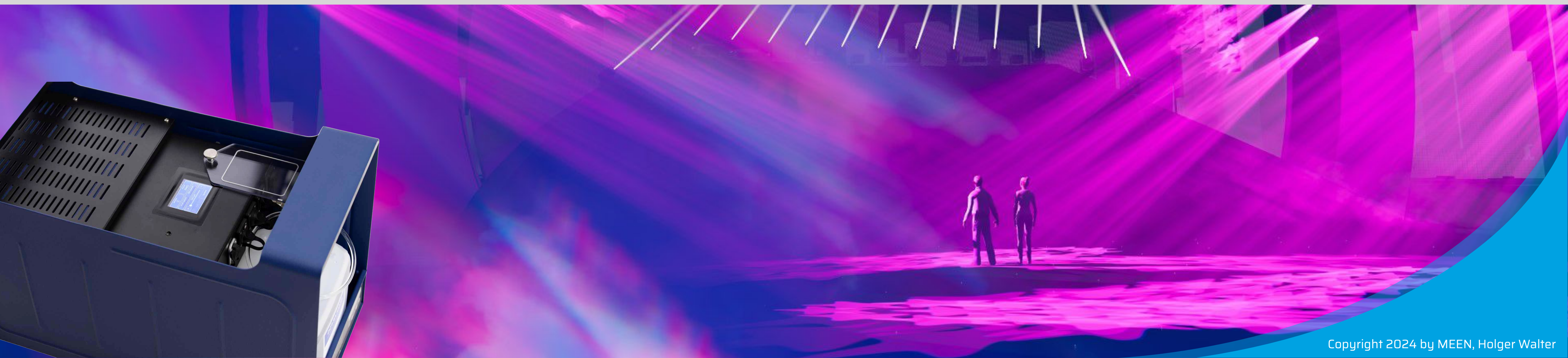
LOOK Solutions Boa 64 - Outdoor Fog Generator

The Boa 64 is a powerful fog generator, that sets new standards concerning noise and handling. It is dust-tight and protected against splashing water on all sides according to IP 64. This High-End Fog Machine is **Made in Germany**.

- New developed, extremely silent nozzle
- Two pumps for constant output
- New Touchscreen
- New control choices
- RDM-capable
- Finest adjustments of the output
- Adjustable pump characteristic
- Adjustable performance curve
- Internal timer
- Working hours counter

LOOK Boa 64 - Specs

| | |
|-------------------|--|
| Temperature Range | -10°C up to +45°C |
| IP Rating | IP64 |
| Power | 3,100 Watt |
| Fluid Consumption | 260 ml/min. max., 46 ml/min. continuous output |
| Fluid Tank | 5 liter |
| Output Projection | Max. 25m |
| Fogging Time | Max: 55 sec., <30% contious |



LOOK Solutions Unique 2.1 - Professional Haze Generator



The Unique 2.1 is one of the most popular professional hazers in the world. Ideal for highlighting and supporting light and laser effects. This High-End Haze Machine is **Made in Germany**.

- Minimal warm up time of only 60 seconds
- Minimal noise
- Pump and fan adjustable separately in 99 steps
- Internal fan ensures quick and homogen distribution
- DMX as standard, analog (0-10V) and stand-alone running
- Internal Timer
- Haze-Density Control System
- Minimal fluid consumption (2l canister guarantees up to 50 hours continuous output)

LOOK Unique 2.1 - Specs

| | |
|-------------------|------------------------------------|
| Temperature Range | -10°C up to +45°C |
| IP Rating | IP20, IP64 with supplied cover |
| Power | 1,500 Watt |
| Fluid Consumption | 2 liters for 50 hours cont. output |
| Fluid Tank | 2 liter |
| Fan Output | > 6,000 / min. |
| Haze Density | Adjustable in 99 steps |



BESD LED C15-31 Series - Transparent LED Mesh Screen

BESD is a hidden Champion in the international LED Market. With its innovative and highest quality products BESD offers in addition flexible and individual solutions. With its long term presence in the Middle East and cooperation with **MEEN BESD** focuses especially on the climate conditions in the region with sophisticated performance and the highest reliability.

Advantages:

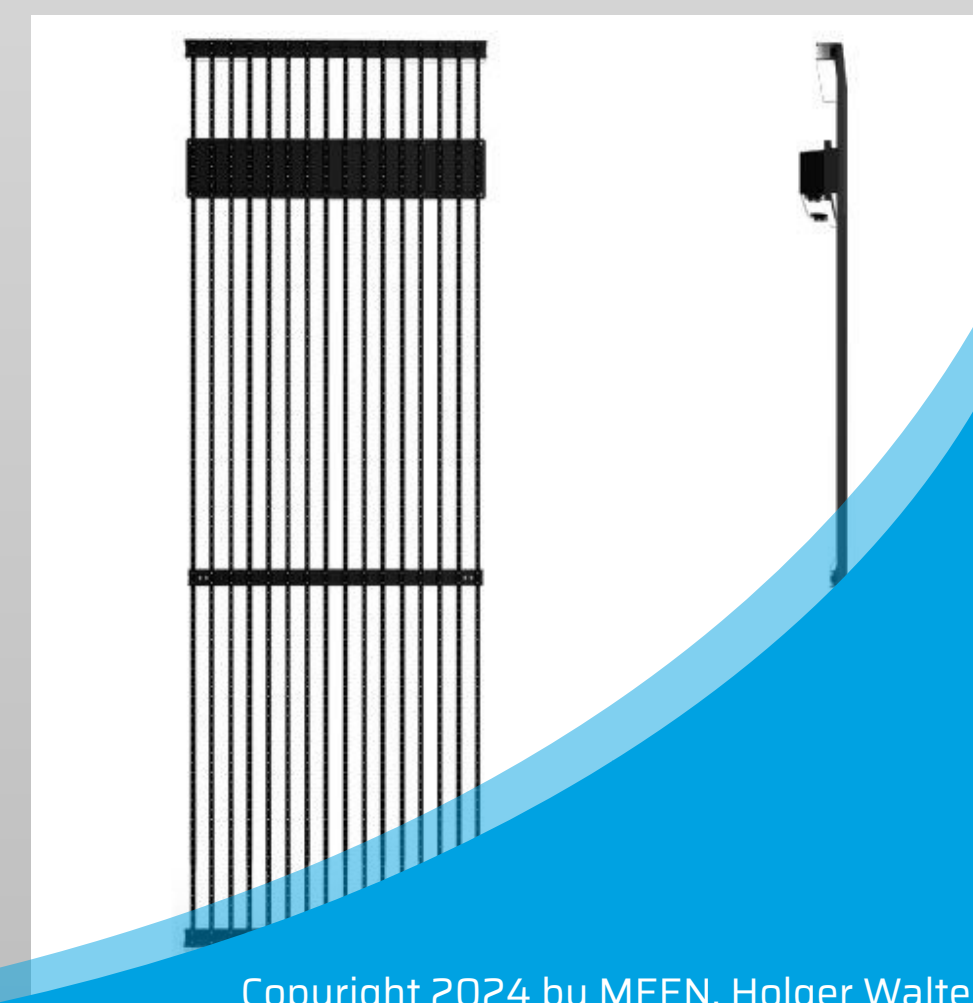
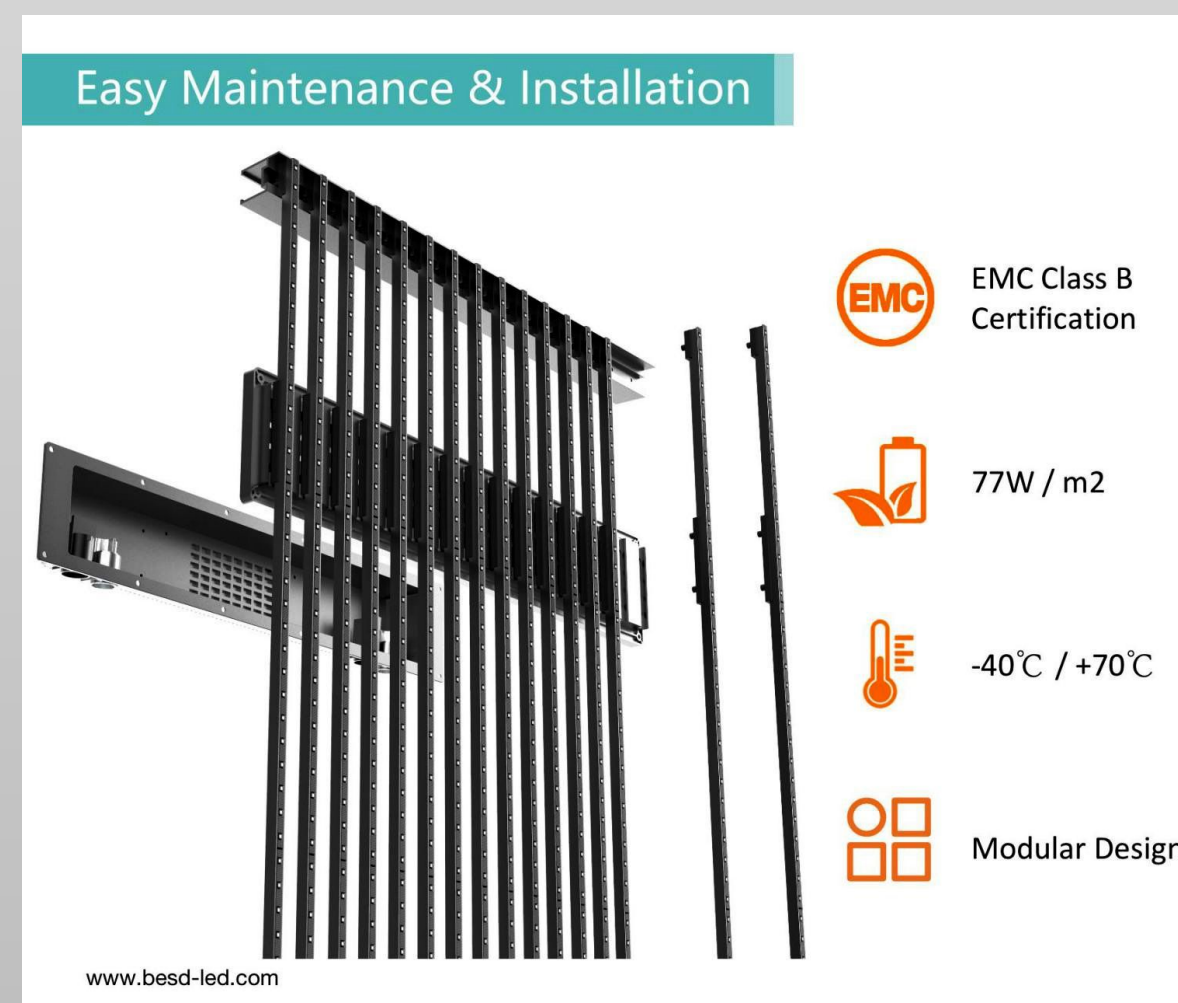
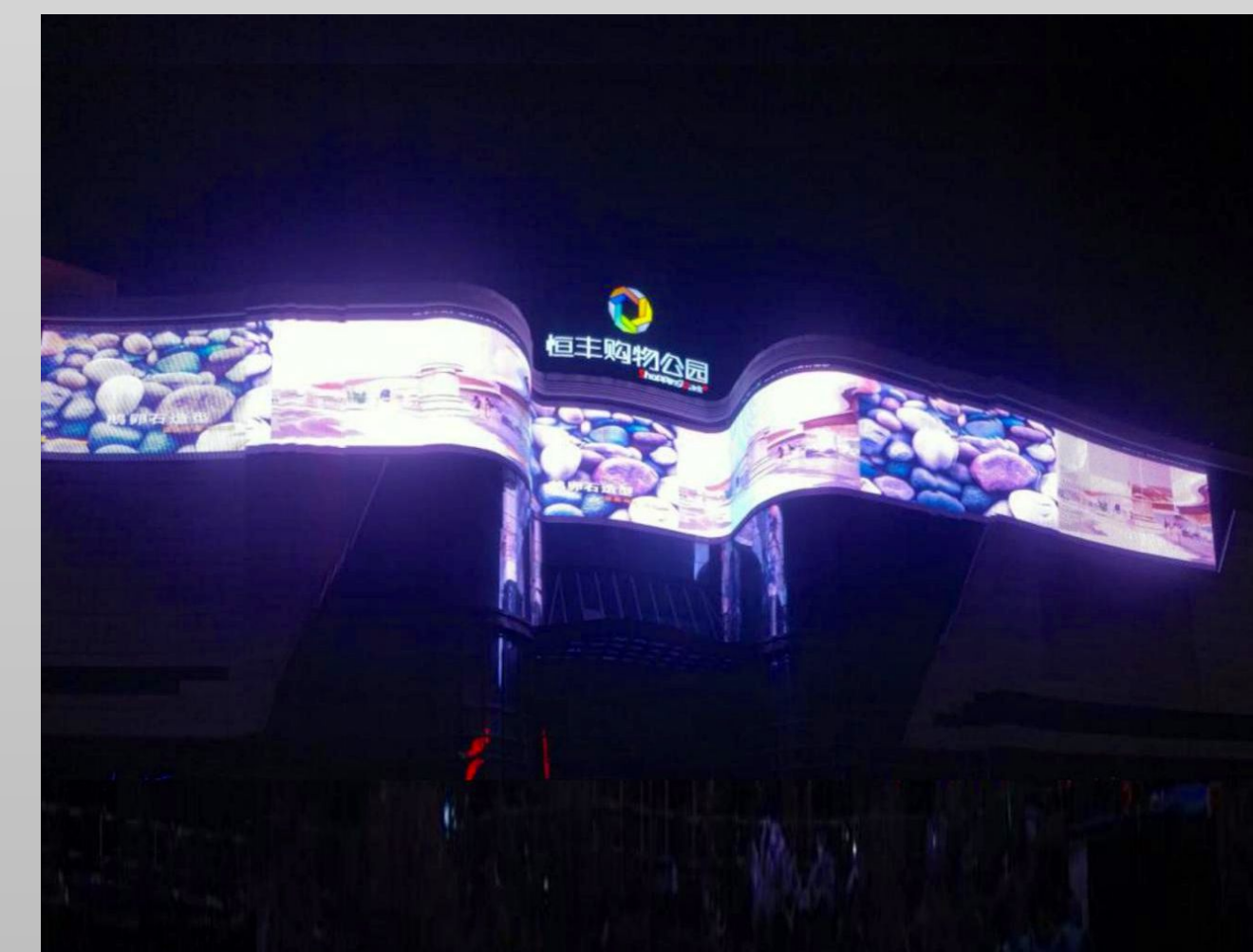
- Slim
- Light
- Convenient

Features C15-31 Series:

- 8000 nits Brightness
- DIP LEDs allow 67% transparency
- Light Weight, 10kg/m²
- Front & Rear Maintenance
- 16bit grey scale
- 10000Hz refresh rate
- Latest Generation MESH led display for outdoor application
- IP65, Perfect for Harsh Environment
- EMC class B Certification

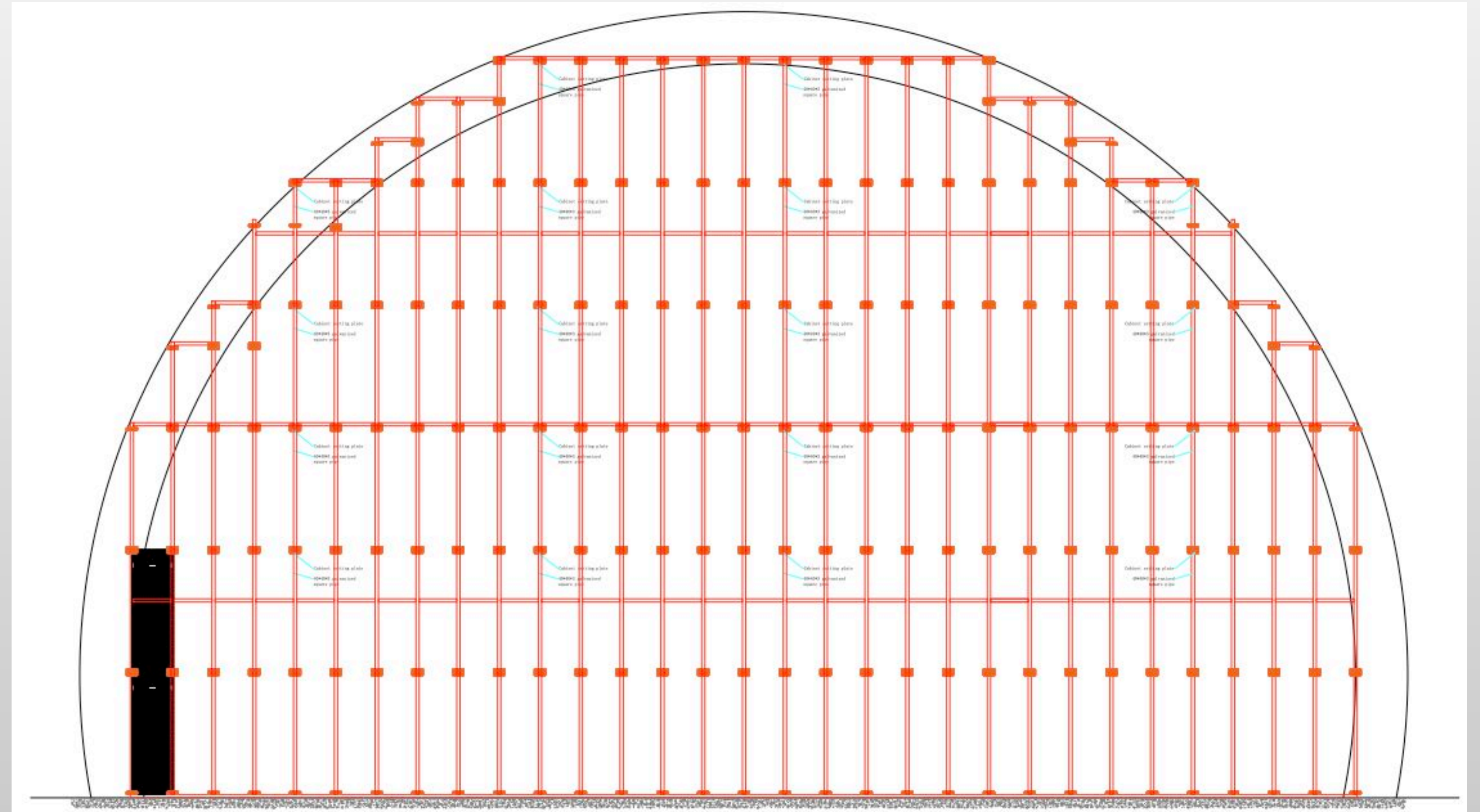
BESD LED C15-31 Series - Specs

| | |
|--------------------|-------------------------------|
| Temperature Range | -20°C up to +70°C |
| IP Rating | IP65 |
| Pixel Pitch | 15.625(V) 31.25(H) |
| LEDs | DIP |
| Viewing Angle | 160° horizontal, 45° vertical |
| Transparency Ratio | 67 % |
| Brightness | 8,000 nits |
| Power | 230W max., 77W average / sqm |
| Material | Aluminum |



Transparent Screen

| | |
|---------------------------|--|
| Shape: | Flat, circular |
| Size: | 117 sqm |
| Pixel Pitch: | 15.625(V) 31.25(H) |
| Resolution (HxV): | 480 x 576 Pixel |
| Size (VxH over all): | 15,000 x 9,000 mm |
| Viewing Distance: | 12-50m |
| Transparency: | 67% |
| Day time operation: | Yes |
| Environmental Conditions: | Salt water, extreme sun light exposure |



BESD LED XR Series - Outdoor LED Screen

BESD is a hidden Champion in the international LED Market. With its innovative and highest quality products BESD offers in addition flexible and individual solutions. With its long term presence in the Middle East and cooperation with **MEEN BESD** focuses especially on the climate conditions in the region with sophisticated performance and the highest reliability.

Advantages XR Series:

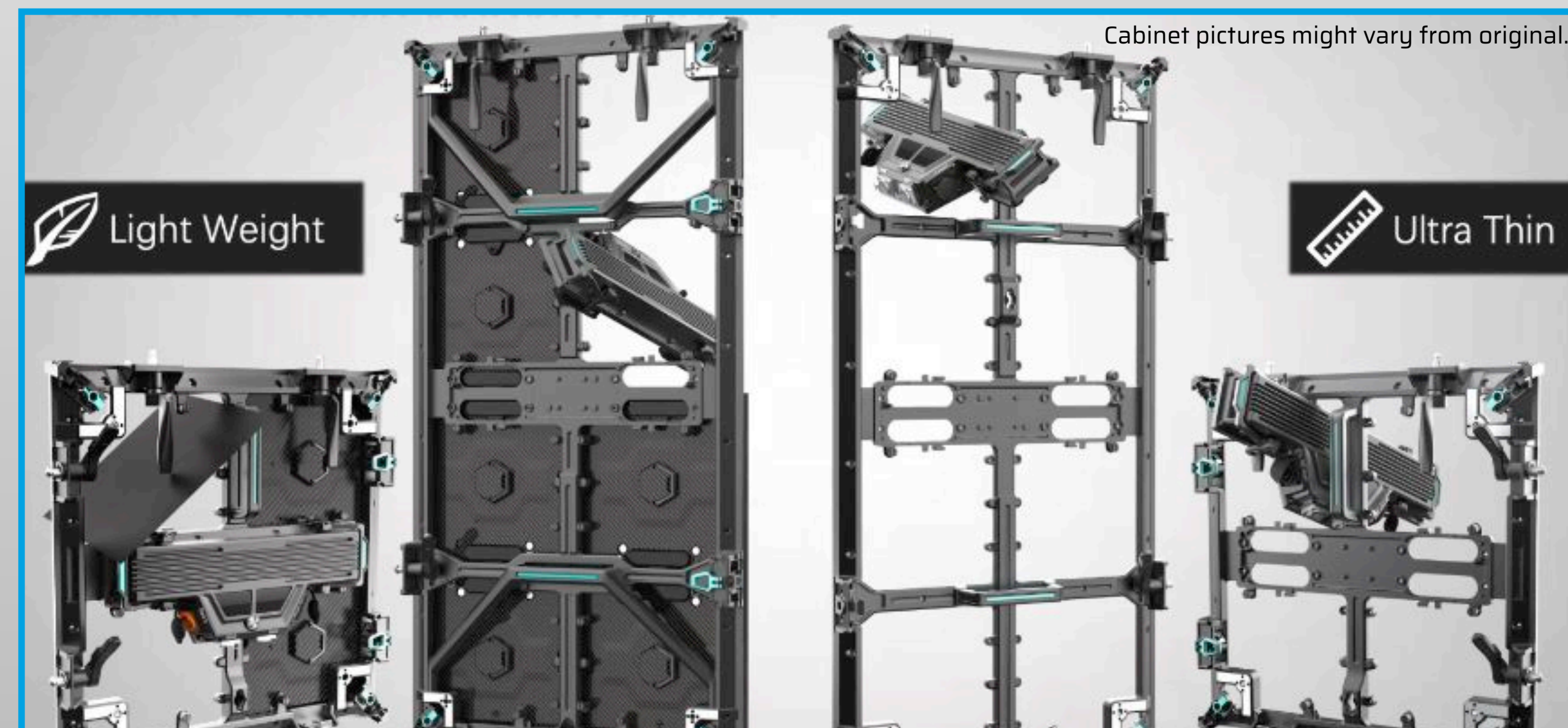
- Front and Rear Maintenance
- Light Weight & Ultra Thin
- Built for harsh conditions

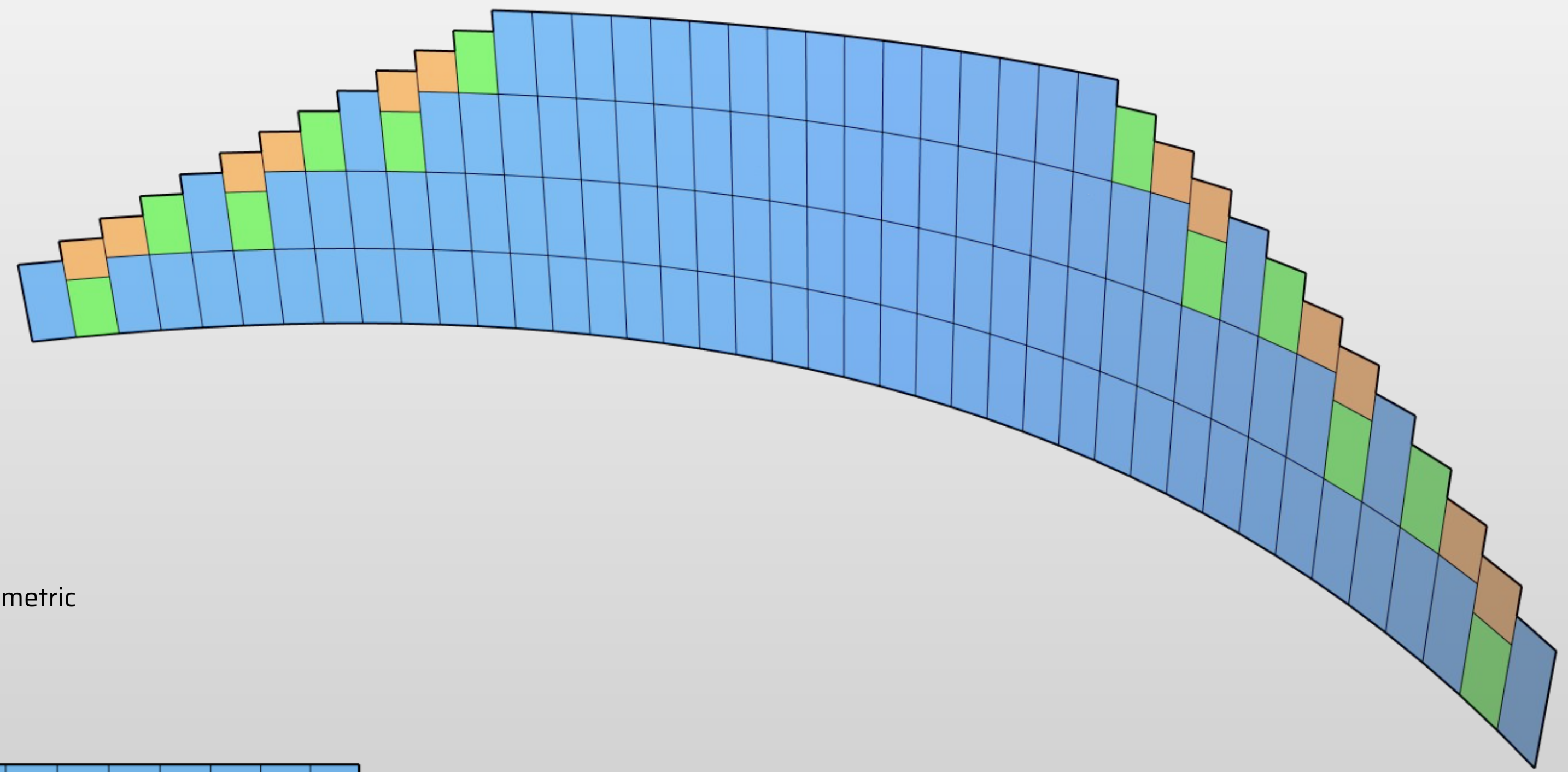
Features XR Series:

- 4,000 nits Brightness
- BT.2020 & DCI-P3 conform
- Modular Design
- Smart Angle Protection
- High Accuracy Curve Lock
- Mix & Match different Cabinets
- Back Climbing Design
- Smart PSU: Remove Power Box in one Time
- 3840Hz Refresh Rate
- 16Bit Grey Level

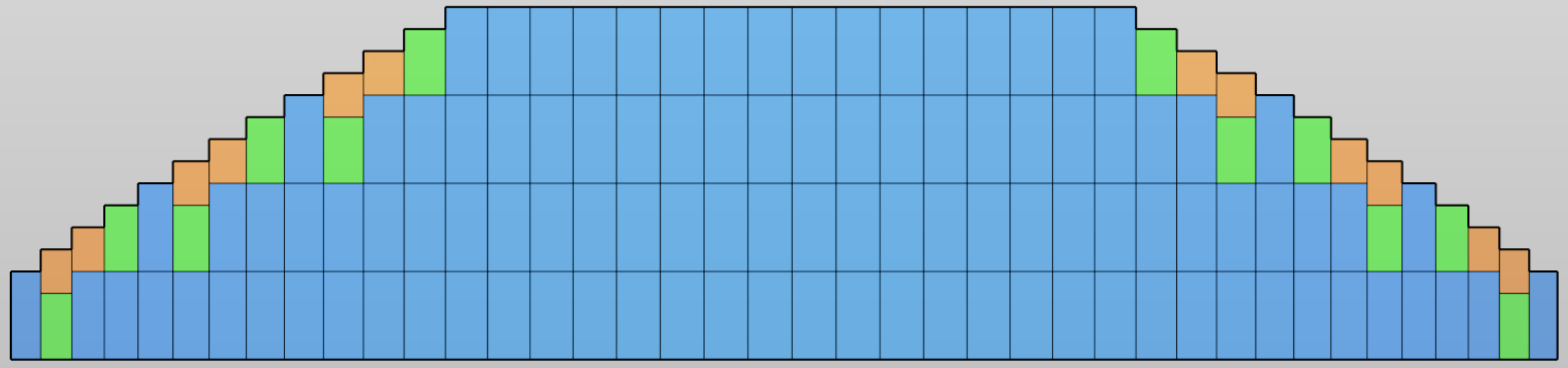
BESD LED XRo2.9 - Specs

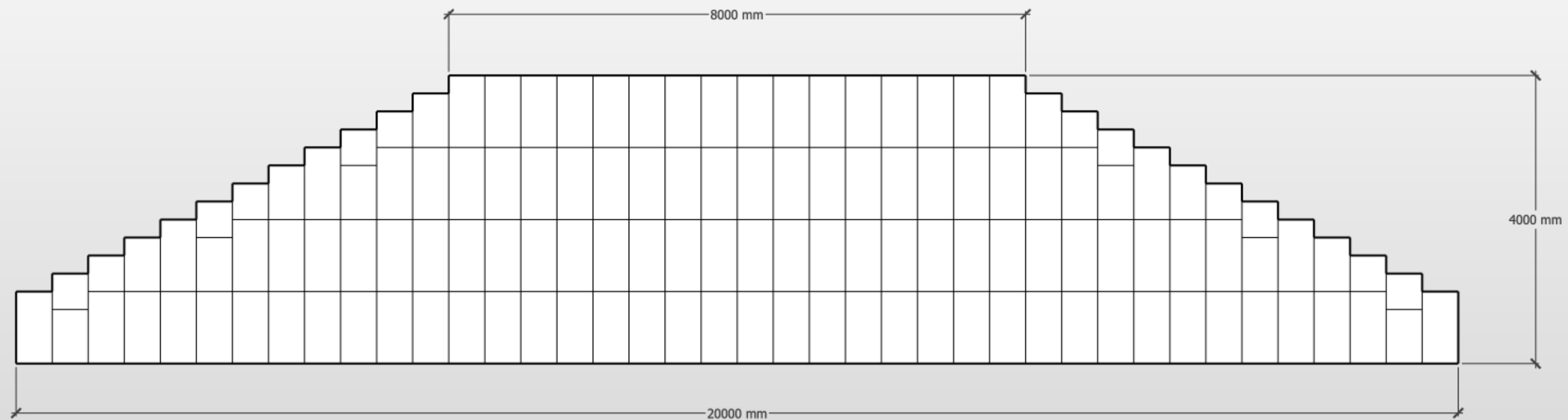
| | |
|-------------------|-------------------------------|
| Temperature Range | -20°C up to +45°C |
| IP Rating | IP65 |
| Pixel Pitch | 2.976mm |
| LEDs | SMD 1415 |
| Cabinet Size | 1000/750/500x500 mm |
| Module Site | 250x500 mm |
| Brightness | 4,000 nits |
| Power | 850W max., 320W average / sqm |
| Material | Aluminum, stainless steel |





Front View - Isometric





Curved Screen

| | |
|---------------------------|--|
| Shape: | Curved 2.5° for each 500m cabinet |
| Size: | 60.5 sqm |
| Pixel Pitch: | 2.9mm |
| Resolution (HxV): | 6,720 x 1,344 Pixel |
| Size (Vflat/VfrontxH): | 20,000/17,558 x 4,000 mm |
| Viewing Distance: | 8-50m |
| Mounting: | Frame with front & back cover |
| Day time operation: | Yes |
| Environmental Conditions: | Salt water, extreme sun light exposure |



NOVASTAR H2 - LED Screen Controller

H Series is NovaStar's flagship all-in-one video splicing processor, designed specifically for fine-pitch LED applications. It is the first All-in-One splicer and controller in the industry, which greatly simplifies system integration. With the leading image processing technology in the industry, H series can give you an astonishing visual effect, truly making it the perfect solution for fine-pitch LED applications.



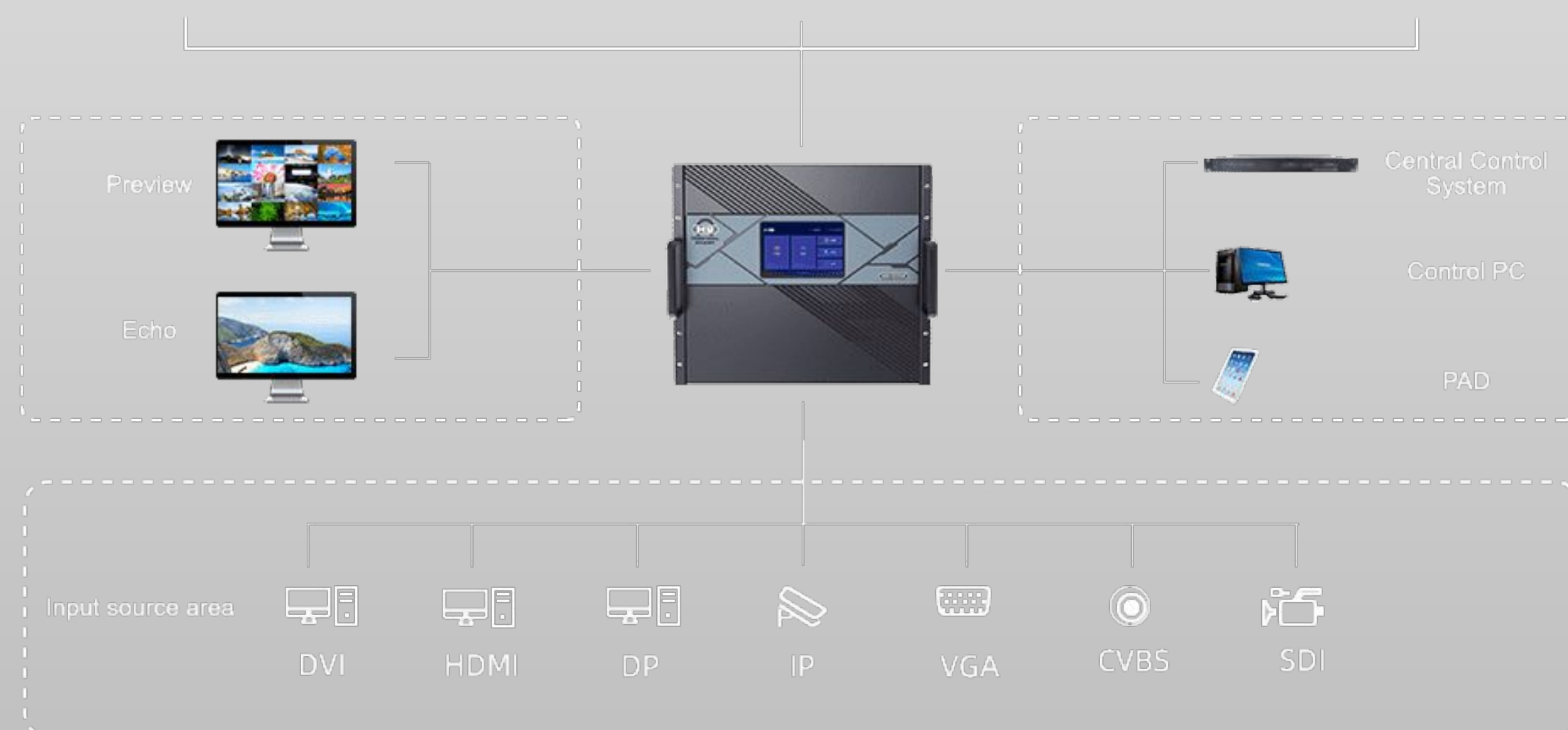
Side Screen



Main Screen



Side Screen



NOVASTAR H2 - Specs

| | |
|--------------------|---|
| Loading Capacity | 6.5 million pixels |
| Max Width & Height | 10240 x 8192 pixels |
| Layers | 3 x 4Kx1K |
| Inputs | 1x3G-SDI, 2xHDMI 1.4, 2xDVI 1.4, 1xOPT1 |
| Outputs | 10xEthernet, HDMI, DVI, 3G-SDI, OPT |
| Presets | 10 |

Wireless Communication Equipment



The entire Microphone Section will be controlled via the Show Servers and rack-mount mixer.

Wireless Equipment - Configuration

| | |
|------------------|---|
| Intercom Set | Hollyland Solidcom C1 Pro HUB-8S (8 Set) |
| Lavalier Mic Set | Sennheiser EW-DX MKE2 (total 2 Mics) |
| Handheld Mic Set | 2 x Sennheiser EW-DX 835-S (total 4 Mics) |
| Audio Interface | RME Fireface UFX III |
| Analog Mixer | YAMAHA TF Rack |

Wireless Intercom for technicians and show control communication



Wireless Lavalier Microphone set for main actors



Wireless Handheld Microphone set for live announcements





Advanced Show Control - with Depence and CCTV Monitoring

We leave nothing to chance: with the world's most advanced show control solution, we can not only control all fixtures of the installation, but also visualize the entire performance with all trades.

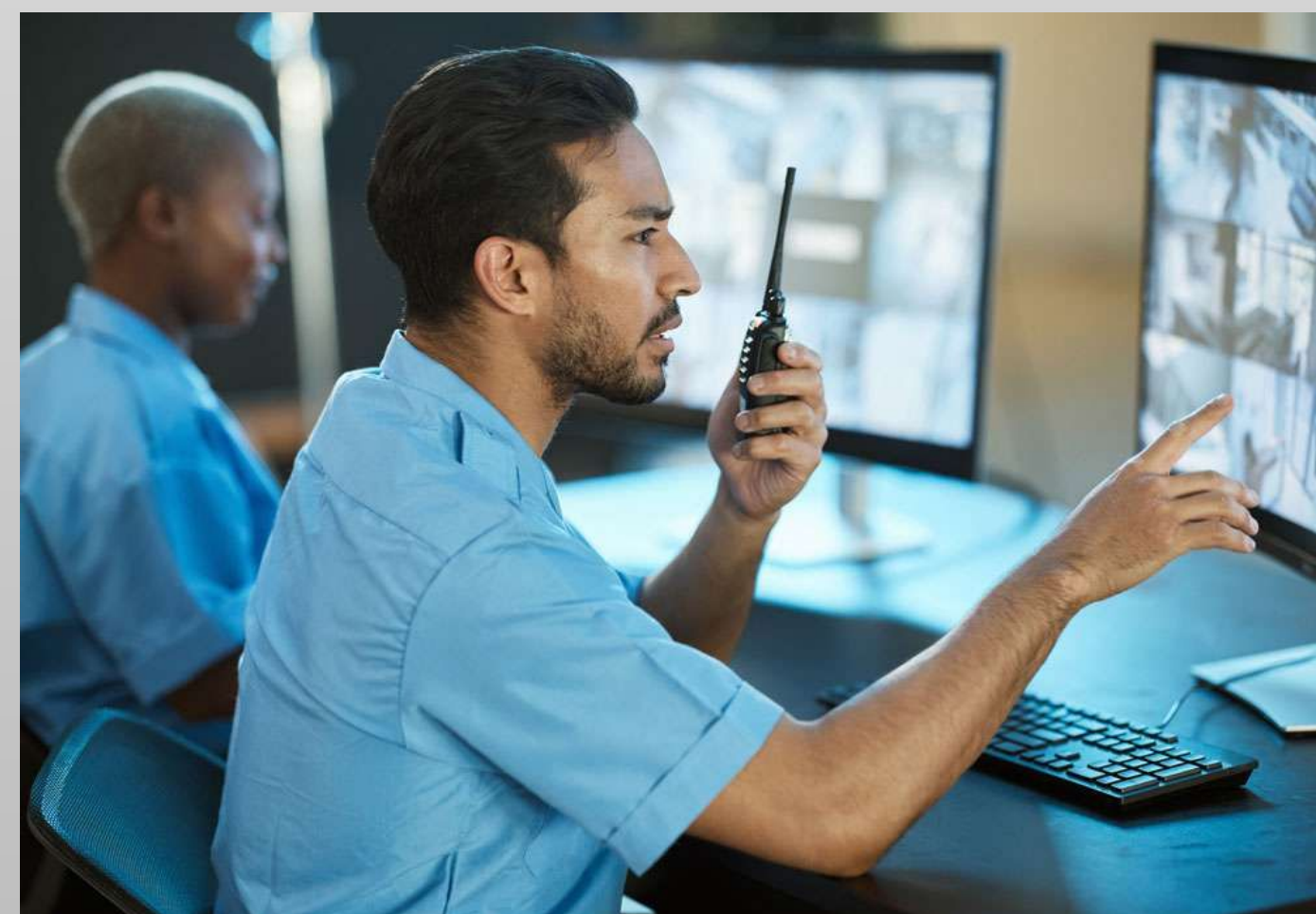
A camera-based surveillance system allows the control room to be placed outside the guest area. A dedicated show server then controls the entire show with only one button click. This ensures an extreme failsafe and operator friendly playback of the entire show.

For live performances, an access point with all the necessary control lines for the FOH is provided, so that consoles can take over control.

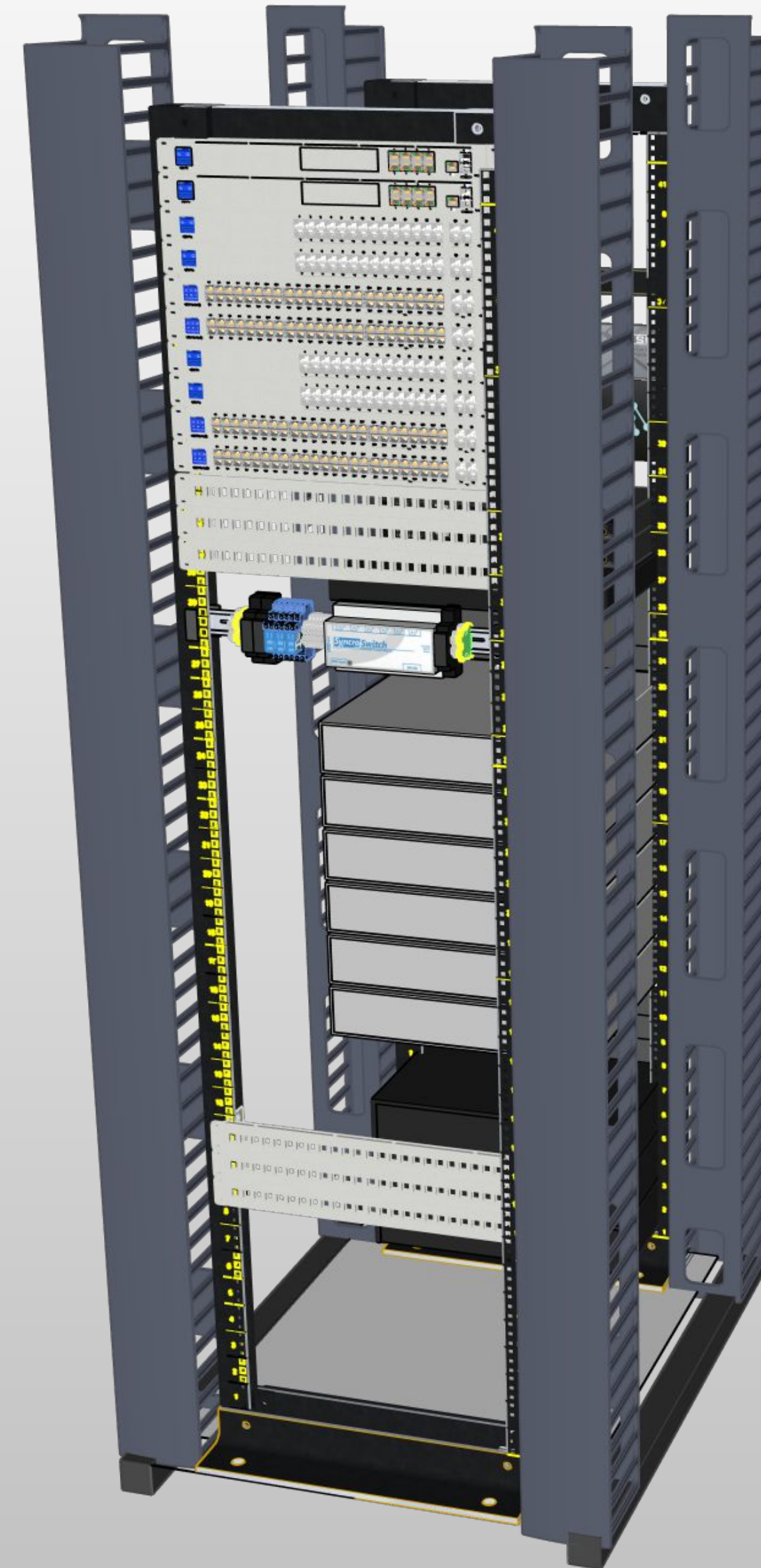
The FOH access point will be used for programming and rehearsals as well.

MEEN Show Control - Configuration

| | |
|------------------|--|
| Show Control | V:Server 4, 48 universes, ArtNet nodes, DMX splitter & merger |
| Monitoring | 2 x 4k Outdoor Cameras, Control Monitors |
| FOH Access Point | ArtNet for all fixtures, AES/Dante audio input, CAT lines for stage boxes |
| Audio | Dante audio interface, monitors, additional lines for optional audio system and stage monitors |
| Power Supply | 3 x UPS buffered power lines |



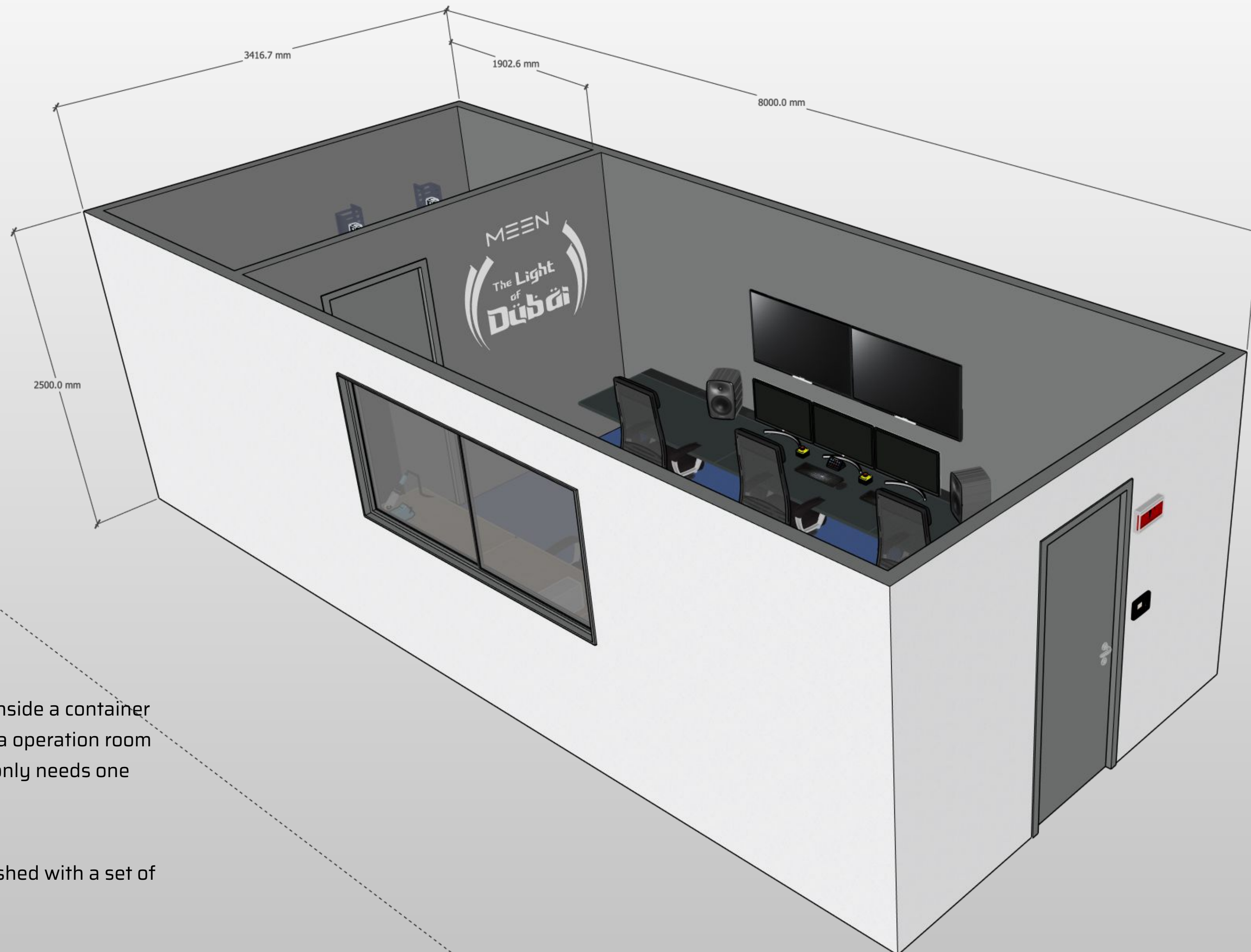
Advanced Show Control - Control Rack



Control Room



Control Room



The entire show control will be placed inside a container located behind the stage. It consists of a operation room and one server room. The entire show only needs one experienced technician for operation.

Observation of the show will be established with a set of CCTV cameras.

Control Room



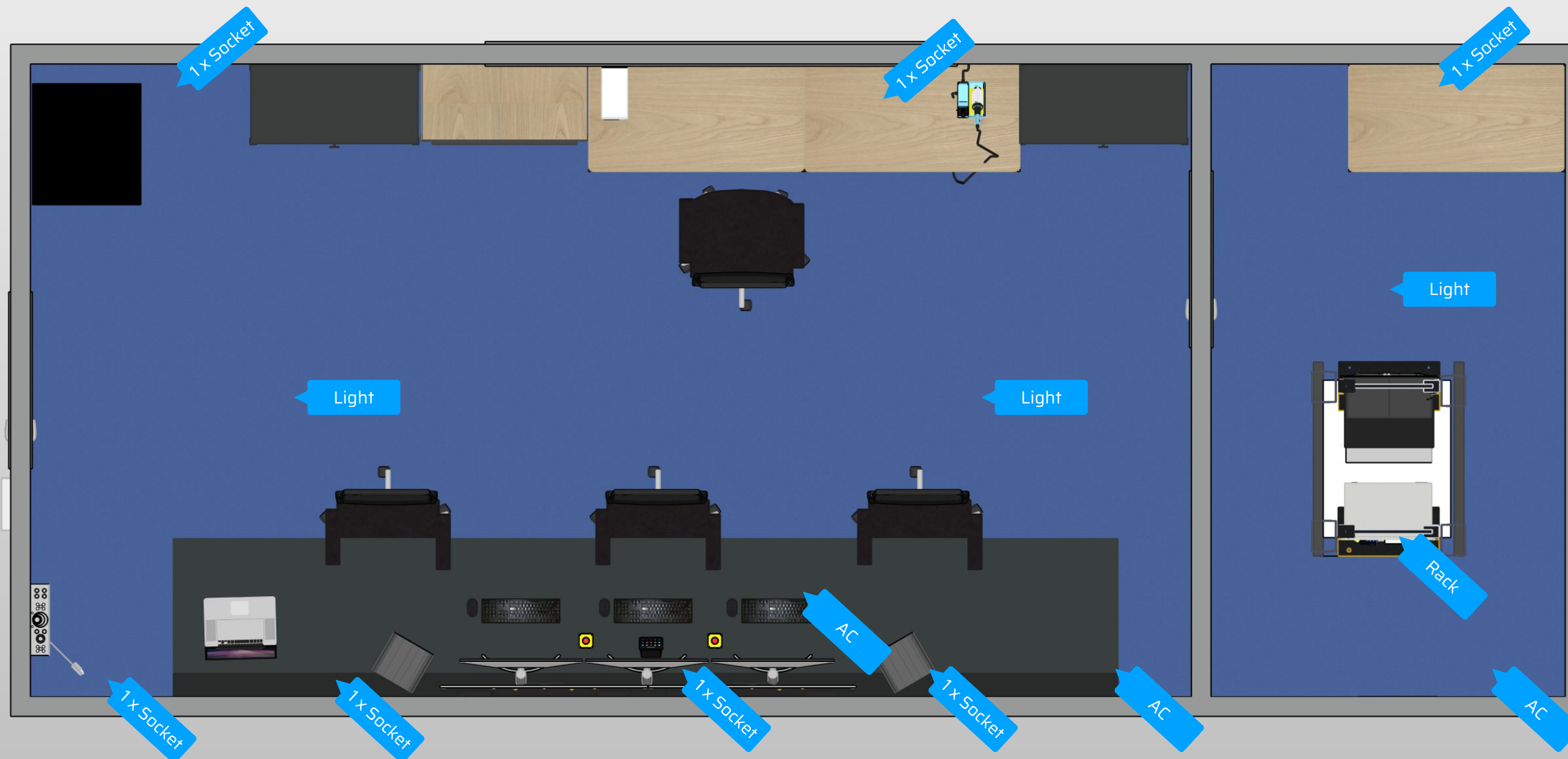
Control Room



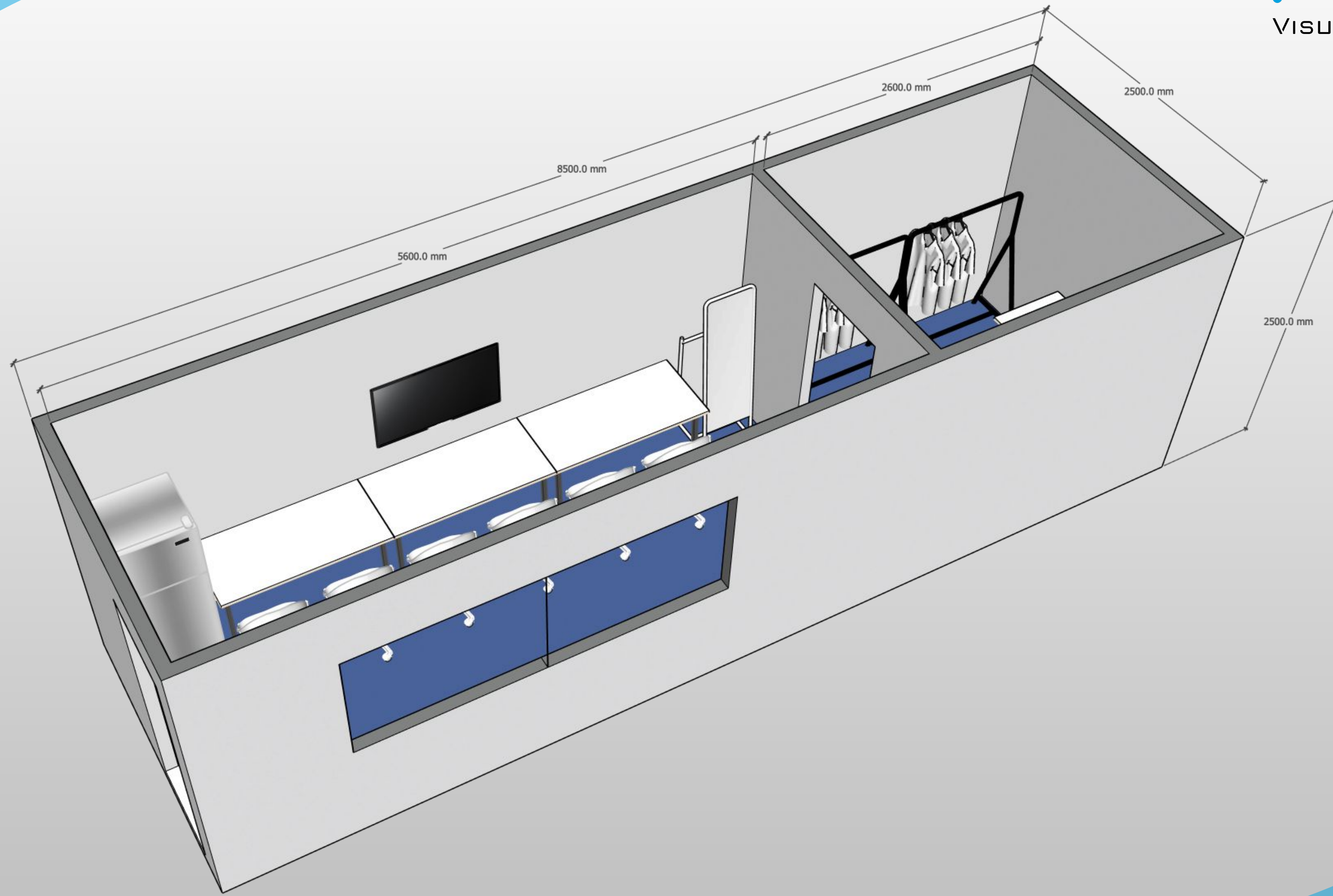
Power Distribution Control Room

Control Room

| | Amount | Power / Unit | kW |
|-------------------------|--------|--------------|-----------|
| AC | 2 | 3,000 | 6.0 |
| Socket (1 outdoor) | 7 | 2,300 | 16.1 |
| Rack | 1 | 5,000 | 5.0 |
| Room Lighting | 3 | 100 | 0.3 |
| Total kW | | | 27 |
| Amps / 3 x Phase | | | 40 |



Acteurs Room



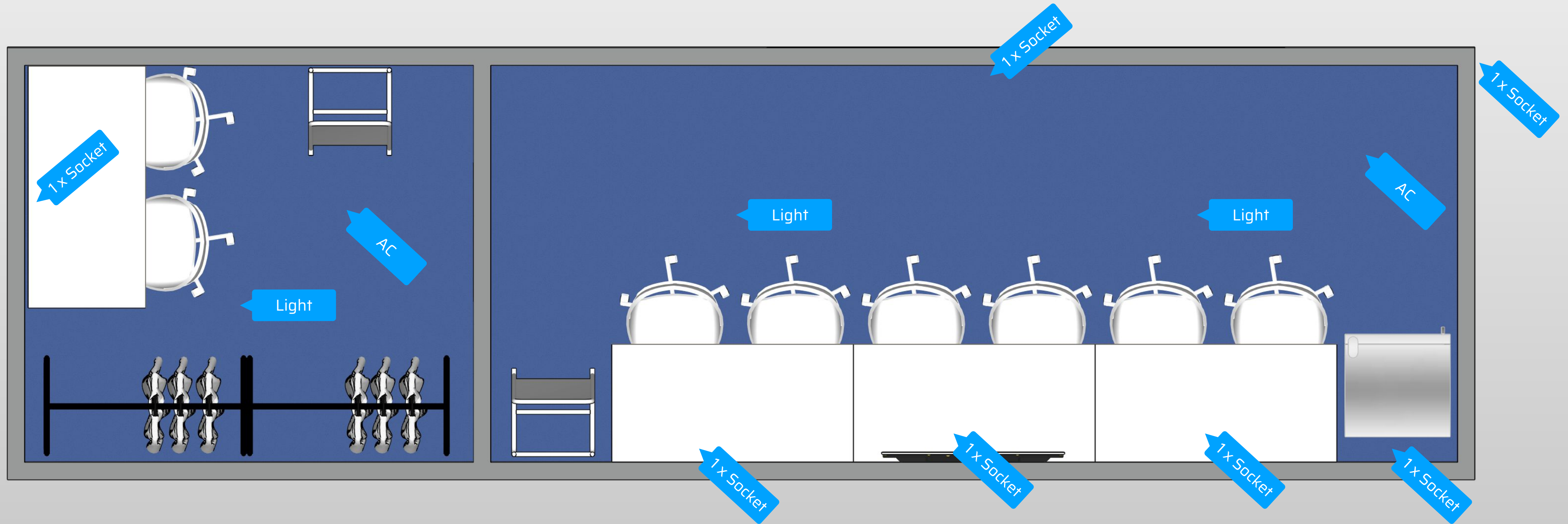
Acteurs Room



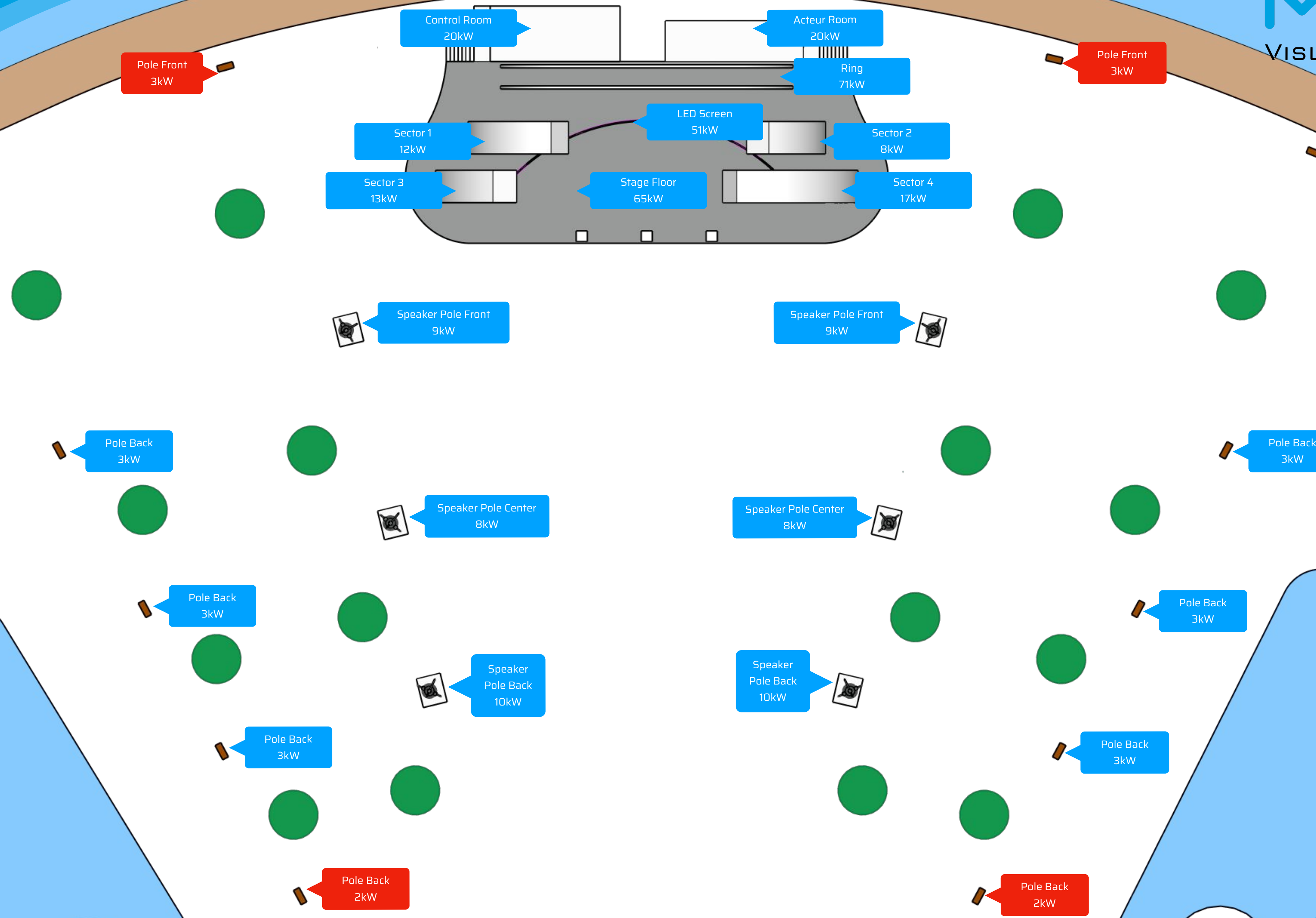
Power Distribution Acteurs Room

Control Room

| | Amount | Power / Unit | kW |
|-------------------------|--------|--------------|-----------|
| AC | 2 | 3,000 | 6.0 |
| Socket (1 outdoor) | 7 | 2,300 | 16.1 |
| Room Lighting | 3 | 100 | 0.3 |
| Total kW | | | 22 |
| Amps / 3 x Phase | | | 32 |



Power Distribution



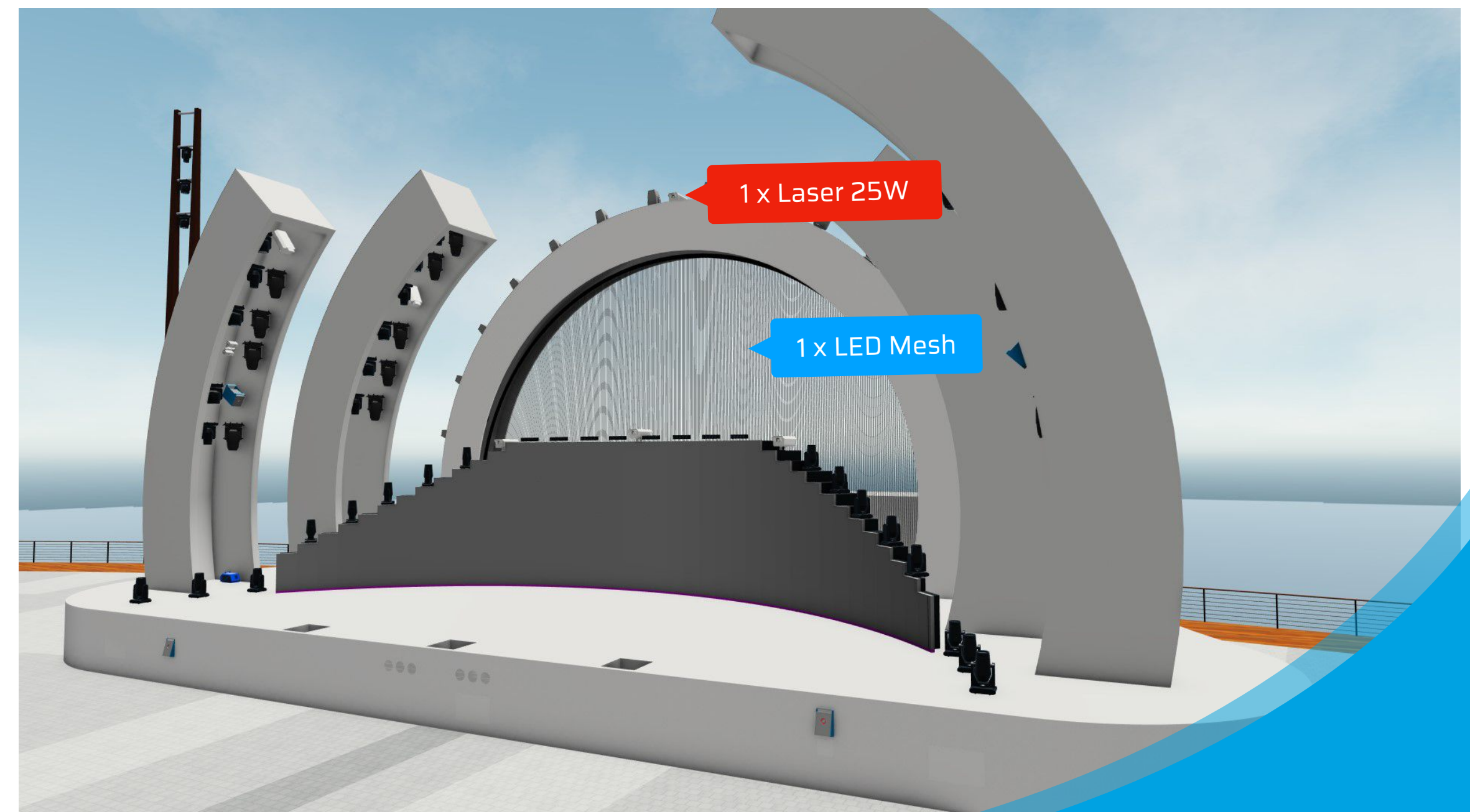
Power Distribution Ring

Ring

| | Amount | Power / Unit | kW | Max. / unit | kW max. |
|-------------------------|--------|--------------|-----------|-------------|------------|
| LED Mesh | 117 | 192 | 22.5 | 550 | 64.4 |
| MH Beam RGB | 14 | 420 | 5.9 | 440 | 6.2 |
| Laser 25W | 1 | 450 | 0.5 | 450 | 0.5 |
| Total kW | | | 29 | | 71 |
| Amps / 3 x Phase | | | 42 | | 103 |

Fixture Weight

| Fixture | Net Weight | Shipping Weight | Fixture Dimension | | |
|---------------------------|------------|-------------------|-------------------|--------|--------|
| | Kg | Kg | W (mm) | D (mm) | H (mm) |
| MH Beam | 28.5 | 32.0 | 393 | 343 | 745 |
| Laser 13/25W | 24.0 | | 260 | 800 | 370 |
| LED Mesh / m ² | 10.0 | Total 1,170kg net | | | |



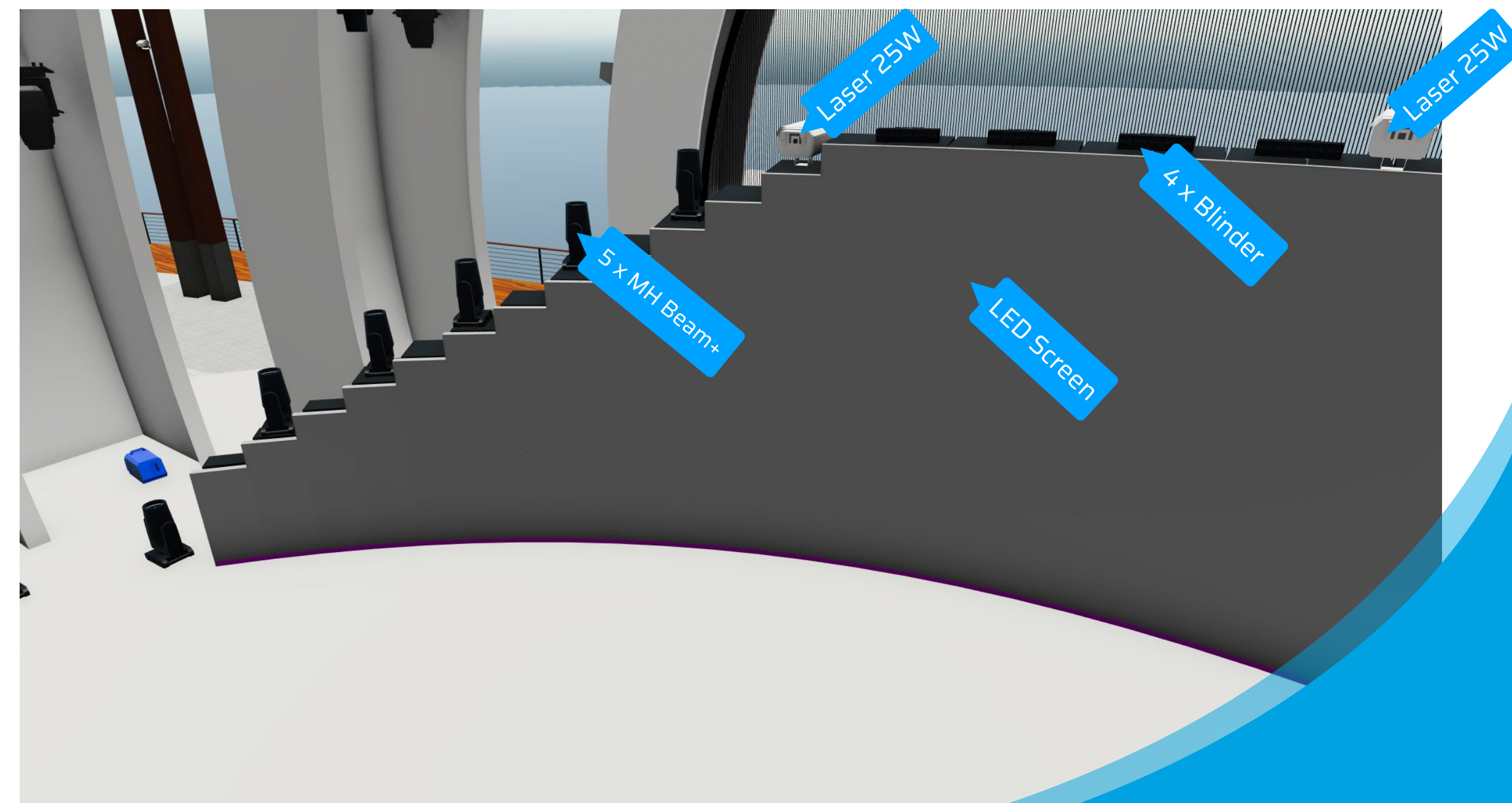
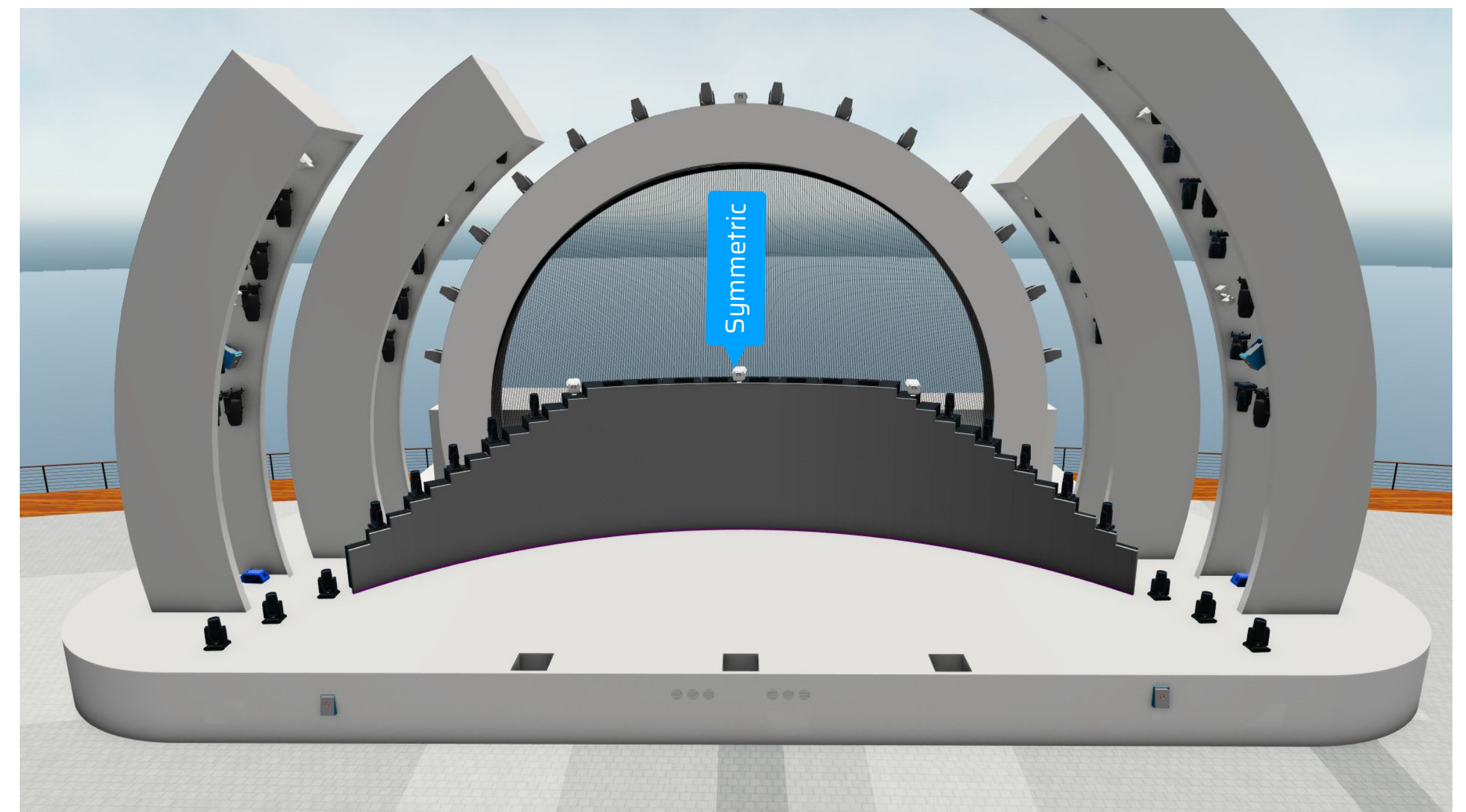
Power Distribution LED Screen

LED Screen

| | Amount | Power / Unit | kW | Max. / unit | kW max. |
|-------------------------|--------|--------------|-----------|-------------|-----------|
| LED Screen | 60.5 | 245 | 14.8 | 700 | 42.4 |
| MH Beam RGB+ | 10 | 420 | 4.2 | 440 | 4.4 |
| Laser 25W | 3 | 450 | 1.4 | 450 | 1.4 |
| Blinder | 8 | 350 | 2.8 | 350.0 | 2.8 |
| Total kW | | | 23 | | 51 |
| Amps / 3 x Phase | | | 34 | | 74 |

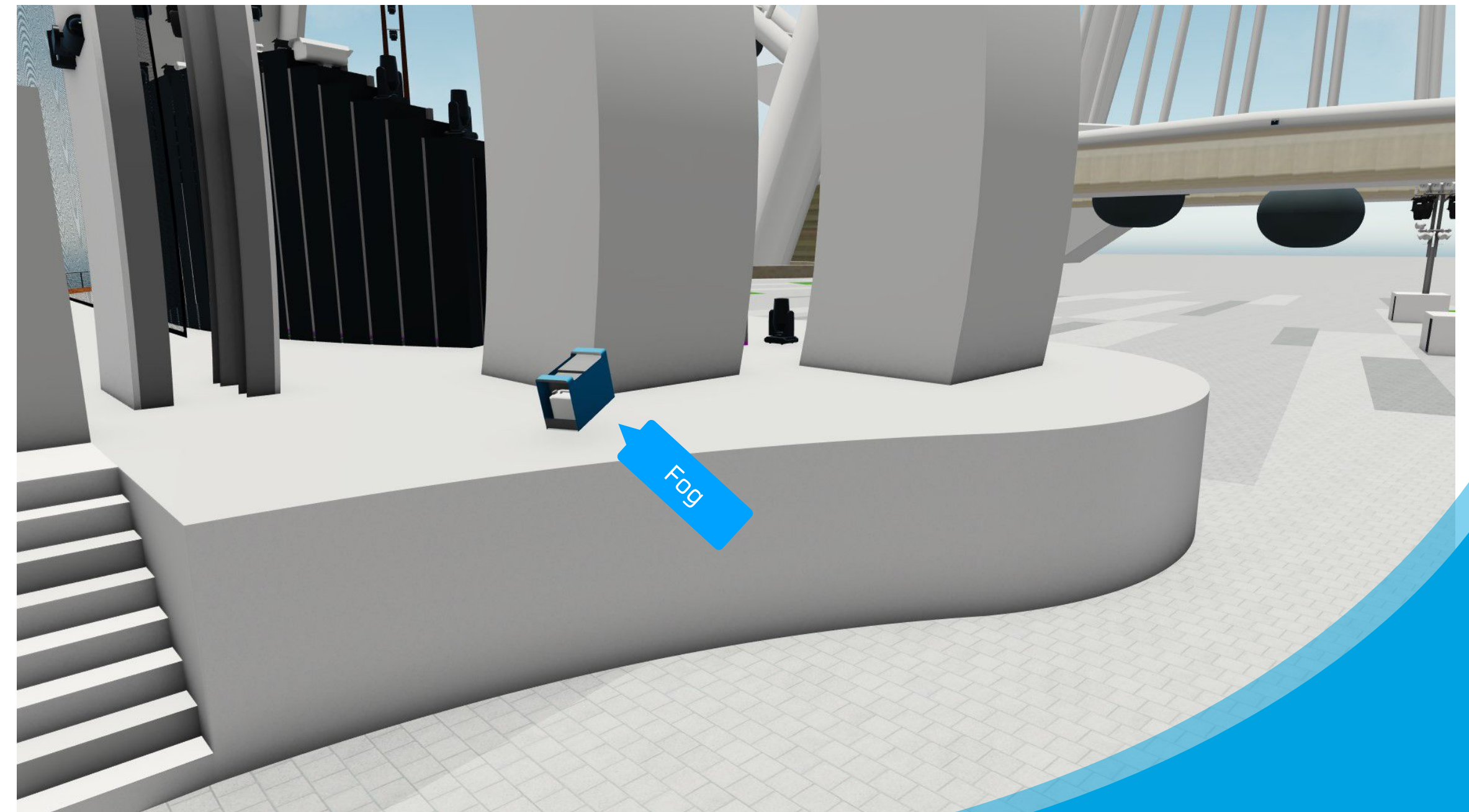
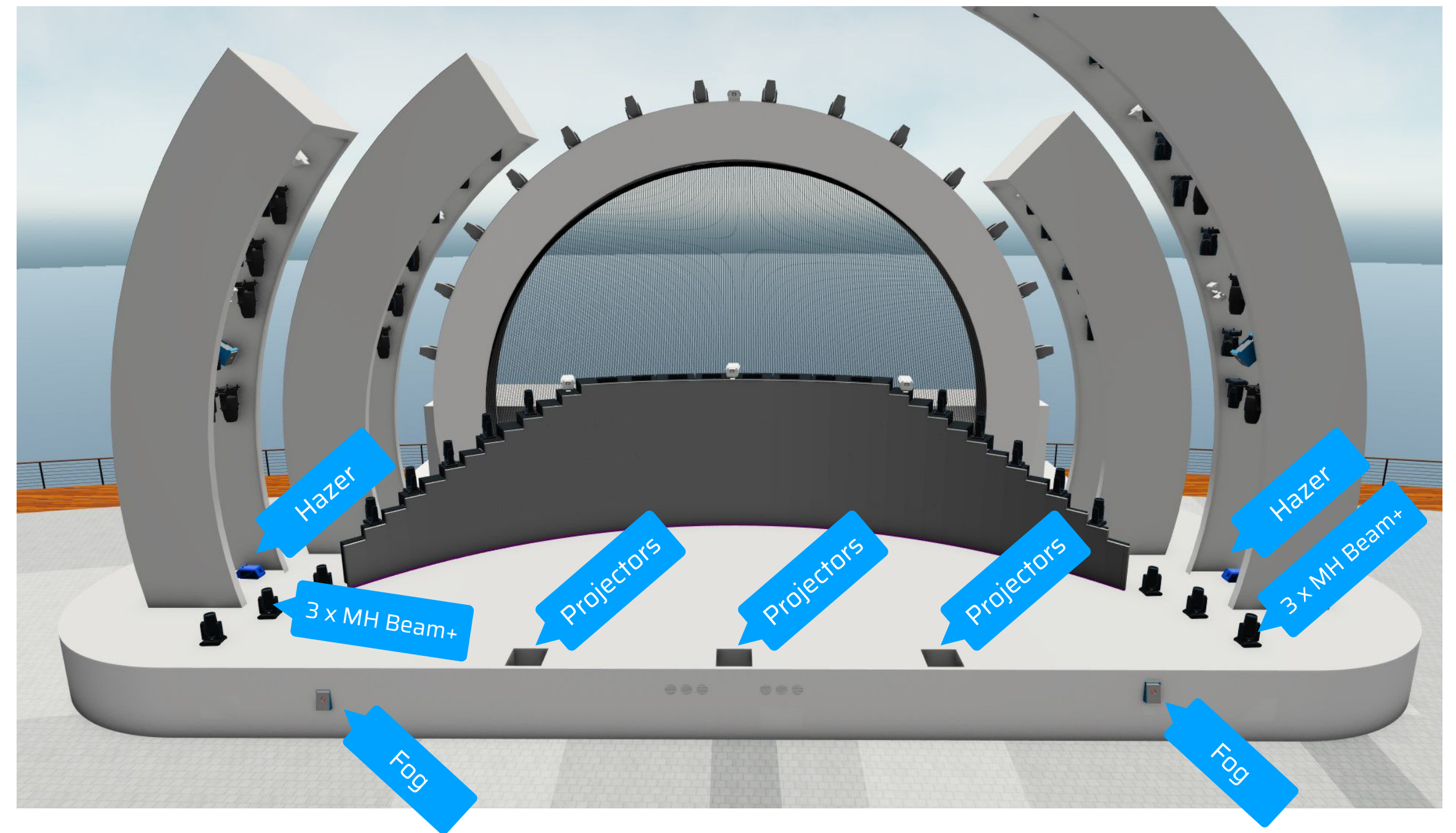
Fixture Weight

| Fixture | Net Weight | Shipping Weight | Fixture Dimension | | |
|-----------------------------|------------|-------------------|-------------------|--------|--------|
| | Kg | Kg | W (mm) | D (mm) | H (mm) |
| MH Beam+ | 28.5 | 32.0 | 393 | 343 | 745 |
| Blinder | 8.5 | 10 | 550 | 110 | 256 |
| Laser 13/25W | 24.0 | | 260 | 800 | 370 |
| LED Curved / m ² | 26.0 | Total 1,573kg net | | | |



Power Distribution Stage Floor

| Stage Floor | | | | | |
|-------------------------|--------|--------------|-----------|-------------|-----------|
| | Amount | Power / Unit | kW | Max. / unit | kW max. |
| Accessories | 2 | 0 | 0.0 | 22,000 | 44.0 |
| MH Beam RGB+ | 6 | 420 | 2.5 | 440 | 2.6 |
| Projectors | 3 | 450 | 1.4 | 450 | 1.4 |
| Speaker | 3 | 600 | 1.8 | 600.0 | 1.8 |
| Fog | 4 | 1,500 | 6.0 | 3,000.0 | 12.0 |
| Haze | 2 | 1,000 | 2.0 | 1,500.0 | 3.0 |
| Total kW | | | 14 | | 65 |
| Amps / 3 x Phase | | | 20 | | 94 |



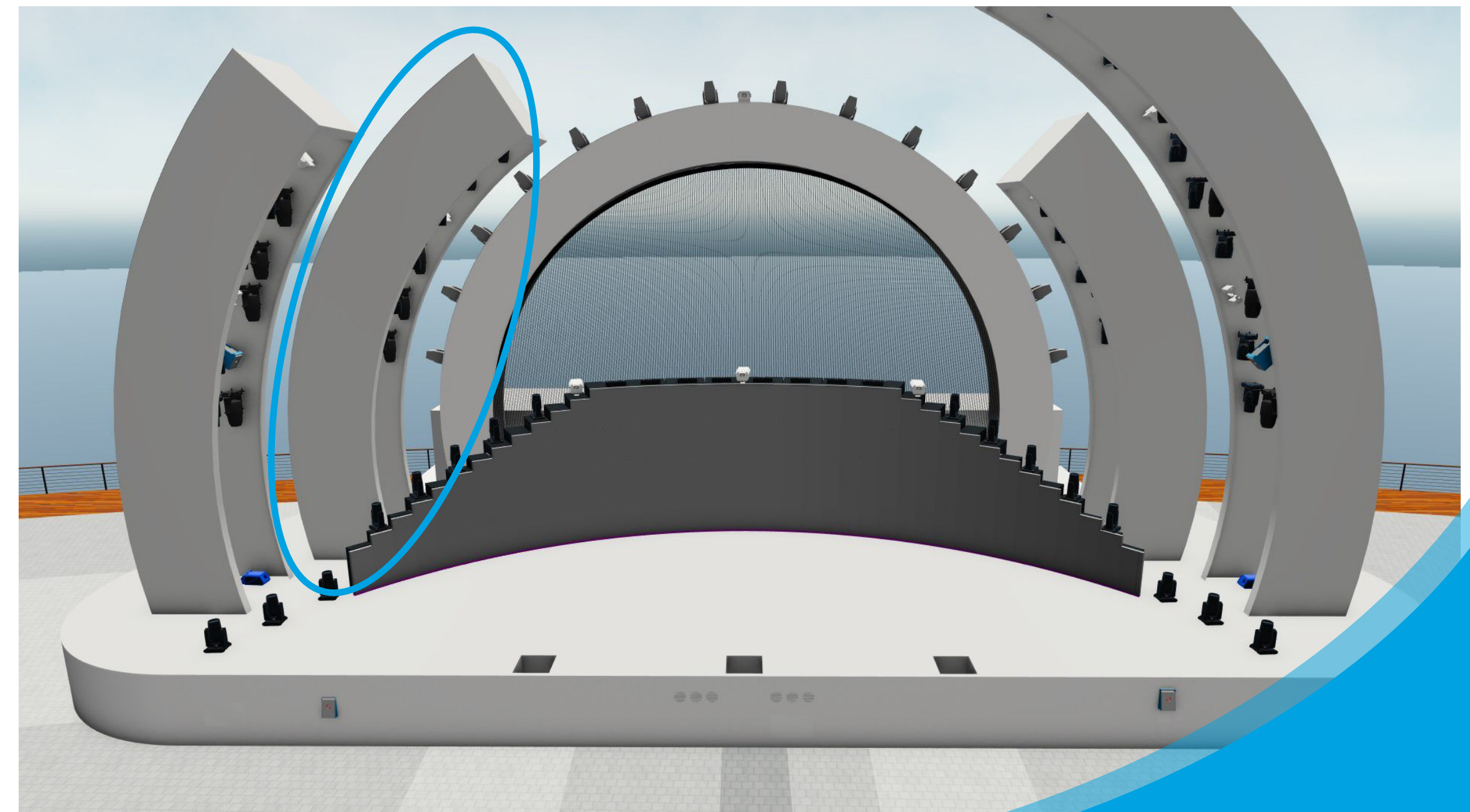
Power Distribution Sector 1

Sector 1

| | Amount | Power / Unit | kW | Max. / unit | kW max. |
|-------------------------|--------|--------------|-----------|-------------|-----------|
| MH Profile | 5 | 1,530 | 7.7 | 1,530 | 7.7 |
| MH Beam RGB+ | 3 | 420 | 1.3 | 420 | 1.3 |
| MH Wash | 3 | 450 | 1.4 | 850 | 2.6 |
| Fog | 0 | 1,500 | 0.0 | 3,000.0 | 0.0 |
| Laser 25W | 1 | 450 | 0.5 | 450.0 | 0.5 |
| Total kVA | | | 11 | | 12 |
| Amps / 3 x Phase | | | 16 | | 17 |

Fixture Weight

| Fixture | Net Weight | Shipping Weight | Fixture Dimension | | |
|--------------|------------|-----------------|-------------------|--------|--------|
| | Kg | Kg | W (mm) | D (mm) | H (mm) |
| MH Profile | 55.0 | 61.5 | 509 | 303 | 844 |
| MH Beam+ | 28.5 | 32.0 | 393 | 343 | 745 |
| MH Wash | 29.0 | 32.8 | 530 | 395 | 563 |
| Laser 13/25W | 24.0 | | 260 | 800 | 370 |



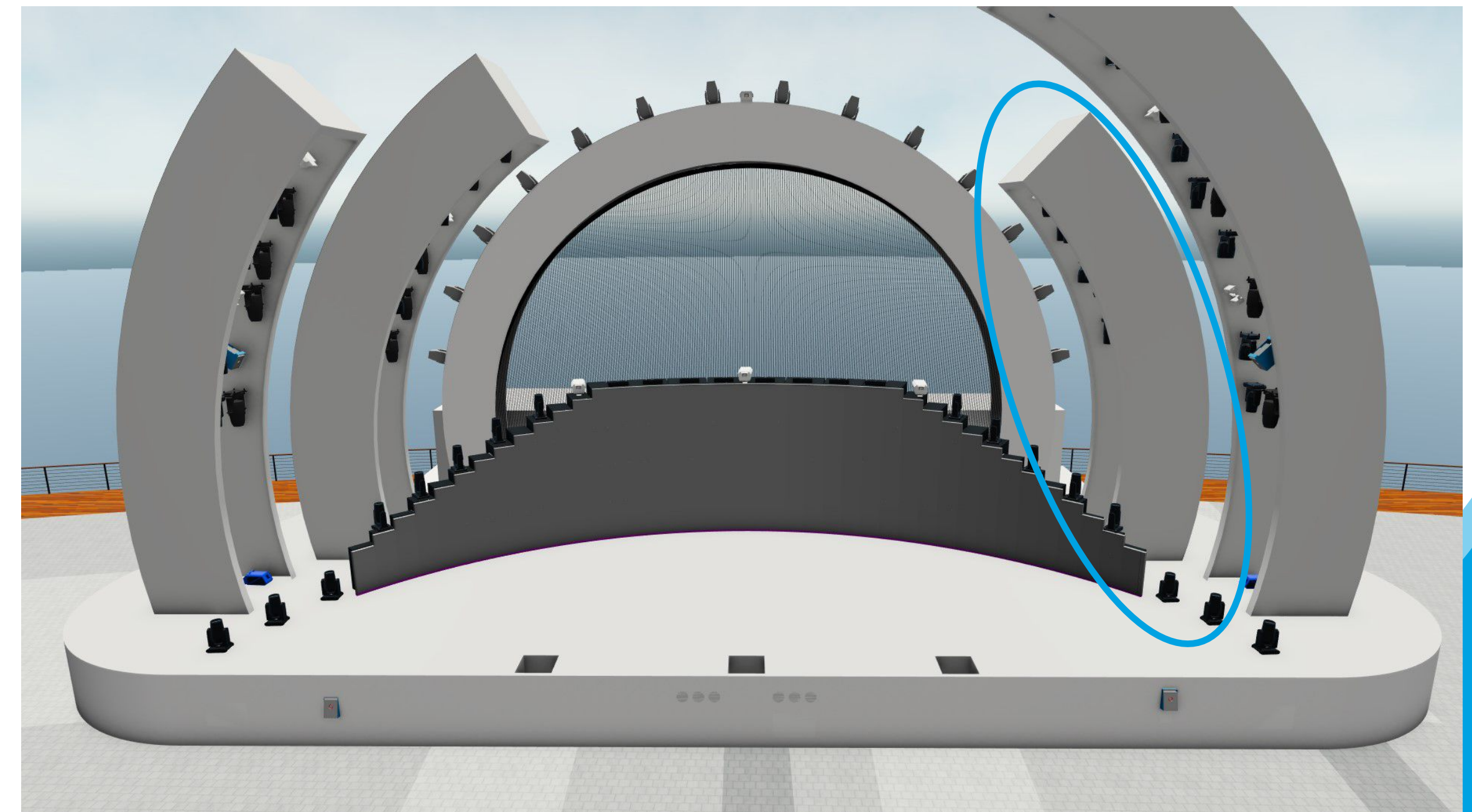
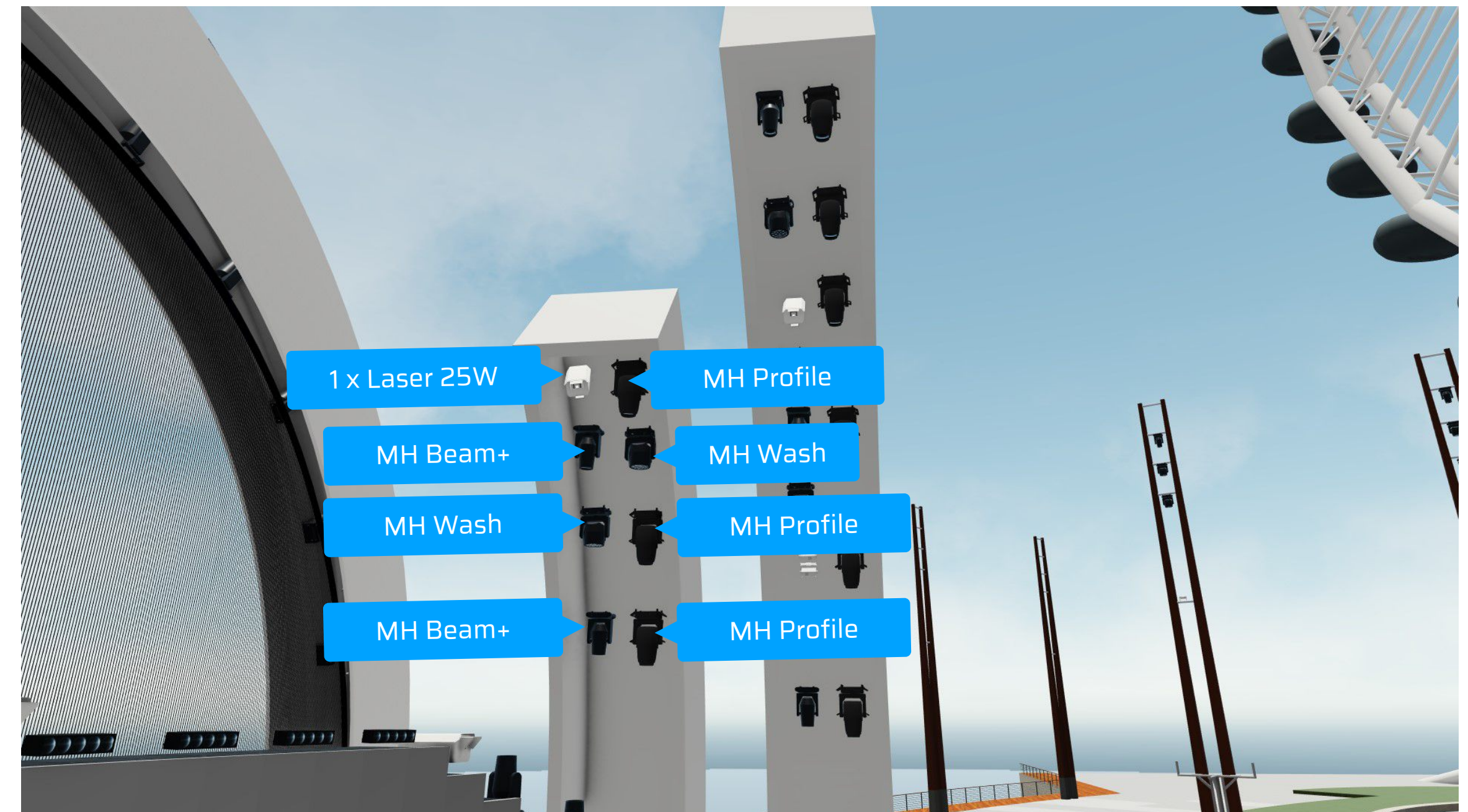
Power Distribution Sector 2

Sector 2

| | Amount | Power / Unit | kW | Max. / unit | kW max. |
|-------------------------|--------|--------------|-----------|-------------|-----------|
| MH Profile | 3 | 1,530 | 4.6 | 1,530 | 4.6 |
| MH Beam RGB+ | 2 | 420 | 0.8 | 420 | 0.8 |
| MH Wash | 2 | 450 | 0.9 | 850 | 1.7 |
| Fog | 0 | 1,500 | 0.0 | 3,000.0 | 0.0 |
| Laser 25W | 1 | 450 | 0.5 | 450.0 | 0.5 |
| Total kVA | | | 7 | | 8 |
| Amps / 3 x Phase | | | 10 | | 11 |

Fixture Weight

| Fixture | Net Weight | Shipping Weight | Fixture Dimension | | |
|--------------|------------|-----------------|-------------------|--------|--------|
| | Kg | Kg | W (mm) | D (mm) | H (mm) |
| MH Profile | 55.0 | 61.5 | 509 | 303 | 844 |
| MH Beam+ | 28.5 | 32.0 | 393 | 343 | 745 |
| MH Wash | 29.0 | 32.8 | 530 | 395 | 563 |
| Laser 13/25W | 24.0 | | 260 | 800 | 370 |



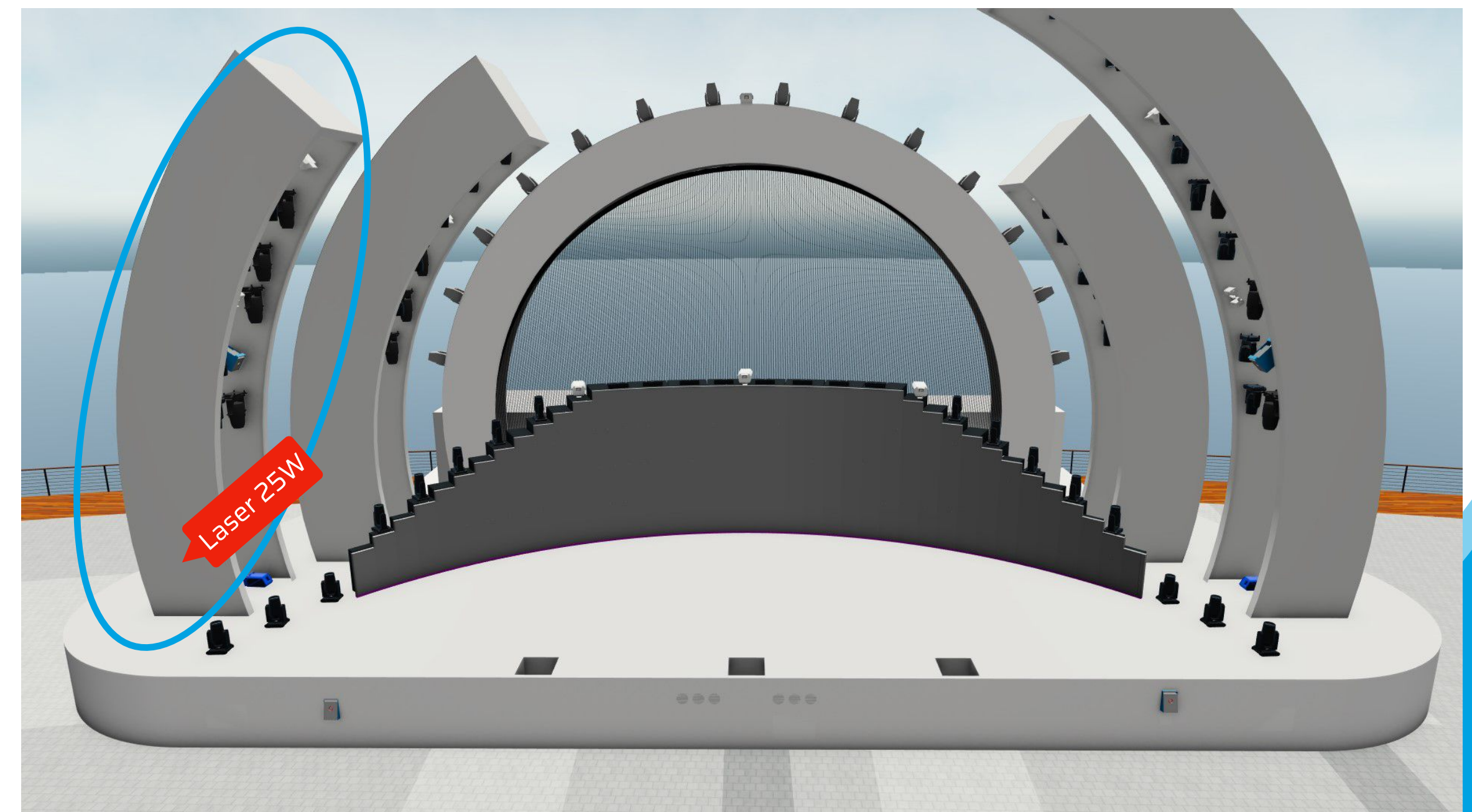
Power Distribution Sector 3

Sector 3

| | Amount | Power / Unit | kW | Max. / unit | kW max. |
|-------------------------|--------|--------------|-----------|-------------|-----------|
| MH Profile | 4 | 1,530 | 6.1 | 1,530 | 6.1 |
| MH Beam RGB+ | 2 | 420 | 0.8 | 420 | 0.8 |
| MH Wash | 3 | 450 | 1.4 | 850 | 2.6 |
| Fog | 1 | 1,500 | 1.5 | 3,000.0 | 3.0 |
| Laser 13/25W | 2 | 450 | 0.9 | 450.0 | 0.9 |
| FireFly | 2 | 50 | 0.1 | 50.0 | 0.1 |
| Total kVA | | | 11 | | 13 |
| Amps / 3 x Phase | | | 16 | | 19 |

Fixture Weight

| Fixture | Net Weight | Shipping Weight | Fixture Dimension | | |
|------------|------------|-----------------|-------------------|--------|--------|
| | Kg | Kg | W (mm) | D (mm) | H (mm) |
| MH Profile | 55.0 | 61.5 | 509 | 303 | 844 |
| MH Beam+ | 28.5 | 32.0 | 393 | 343 | 745 |
| MH Wash | 29.0 | 32.8 | 530 | 395 | 563 |
| Fog | 32.0 | | 260 | 566 | 400 |



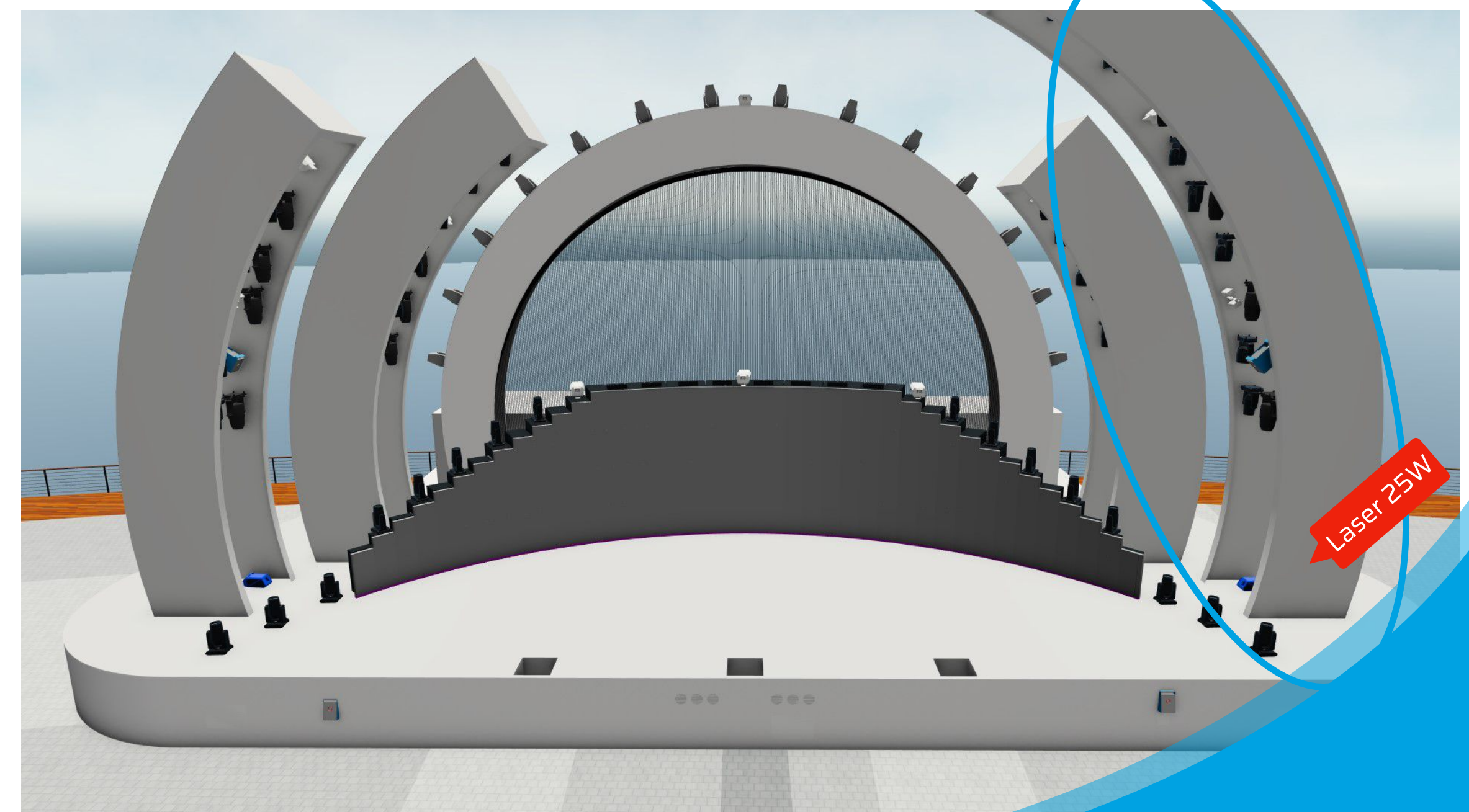
Power Distribution Sector 4

Sector 4

| | Amount | Power / Unit | kW | Max. / unit | kW max. |
|-------------------------|--------|--------------|-----------|-------------|-----------|
| MH Profile | 6 | 1,530 | 9.2 | 1,530 | 9.2 |
| MH Beam RGB+ | 3 | 420 | 1.3 | 420 | 1.3 |
| MH Wash | 4 | 450 | 1.8 | 850 | 3.4 |
| Fog | 1 | 1,500 | 1.5 | 3,000.0 | 3.0 |
| Laser 13/25W | 2 | 450 | 0.9 | 450.0 | 0.9 |
| FireFly | 2 | 50 | 0.1 | 50.0 | 0.1 |
| Total kW | | | 15 | | 18 |
| Amps / 3 x Phase | | | 21 | | 26 |

Fixture Weight

| Fixture | Net Weight | Shipping Weight | Fixture Dimension | | |
|------------|------------|-----------------|-------------------|--------|--------|
| | Kg | Kg | W (mm) | D (mm) | H (mm) |
| MH Profile | 55.0 | 61.5 | 509 | 303 | 844 |
| MH Beam+ | 28.5 | 32.0 | 393 | 343 | 745 |
| MH Wash | 29.0 | 32.8 | 530 | 395 | 563 |
| Fog | 32.0 | | 260 | 566 | 400 |



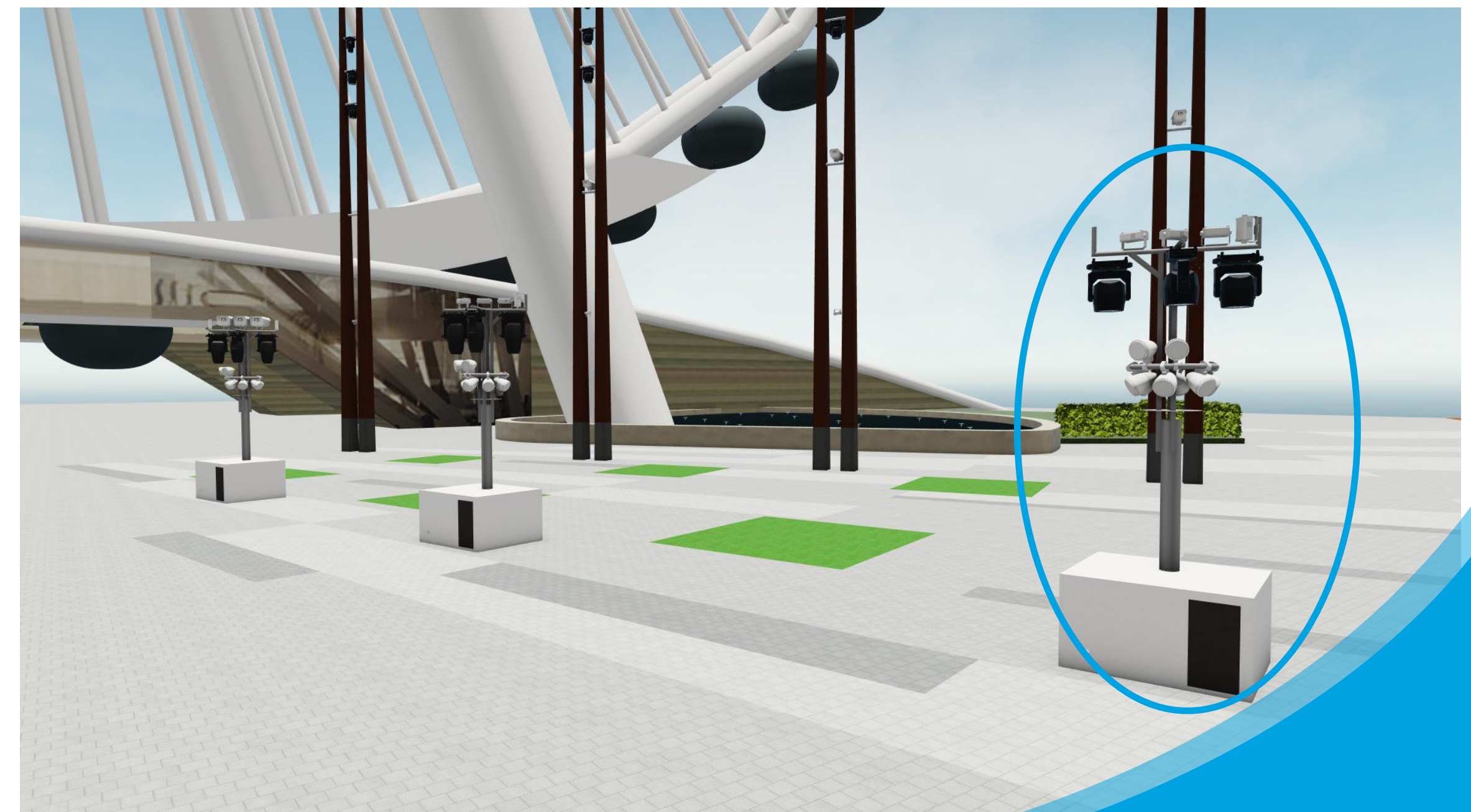
Power Distribution Speaker Poles Front

Speaker Poles Front (2)

| | Amount | Power / Unit | kW | Max. / unit | kW max. |
|-------------------------|--------|--------------|----------|-------------|-----------|
| MH Profile | 0 | 1,530 | 0.0 | 1,530 | 0.0 |
| MH Wash | 3 | 450 | 1.4 | 850 | 2.6 |
| Fog | 1 | 1,500 | 1.5 | 3,000.0 | 3.0 |
| Laser 13W | 0 | 450 | 0.0 | 450.0 | 0.0 |
| Laser Firefly | 4 | 50 | 0.2 | 50.0 | 0.2 |
| Speaker | 2 | 600 | 1.2 | 800.0 | 1.6 |
| Total kW | | | 4 | | 7 |
| Amps / 3 x Phase | | | 6 | | 11 |

Fixture Weight

| Fixture | Net Weight | Shipping Weight | Fixture Dimension | | |
|-------------------|------------|-----------------|-------------------|--------|--------|
| | Kg | Kg | W (mm) | D (mm) | H (mm) |
| MH Wash | 29.0 | 32.8 | 530 | 395 | 563 |
| Laser Firefly | 3.2 | | 290 | 190 | 155 |
| Fog | 32.0 | | 260 | 566 | 400 |
| Speaker Top units | 5.9 | 9 pcs. | 222 | 292 | 298 |



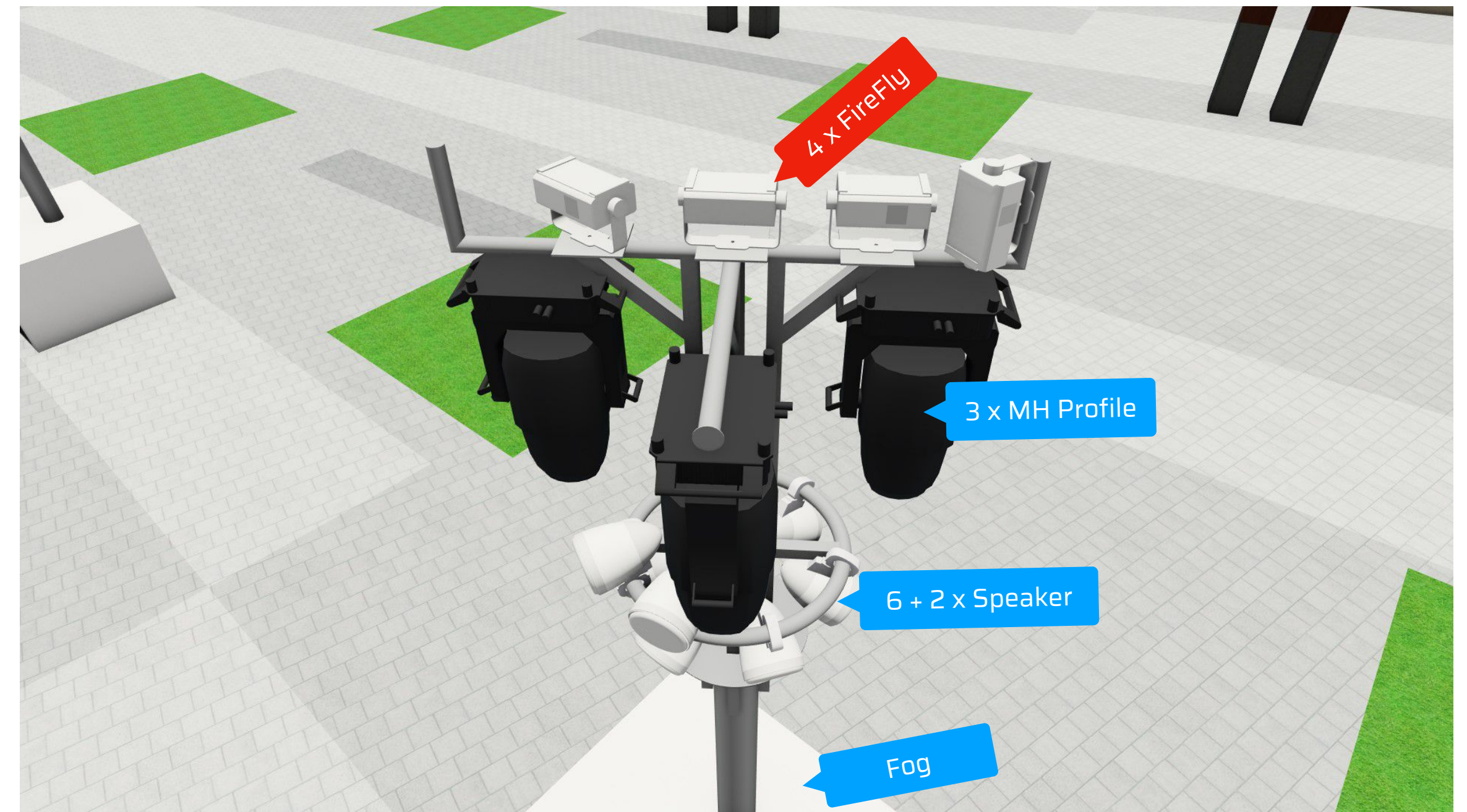
Power Distribution Speaker Poles Center

Speaker Poles Center (2)

| | Amount | Power / Unit | kW | Max. / unit | kW max. |
|-------------------------|--------|--------------|-----------|-------------|-----------|
| MH Profile | 3 | 1,530 | 4.6 | 1,530 | 4.6 |
| MH Wash | 0 | 450 | 0.0 | 850 | 0.0 |
| Fog | 2 | 1,500 | 3.0 | 3,000.0 | 6.0 |
| Laser 13W | 0 | 450 | 0.0 | 450.0 | 0.0 |
| Laser Firefly | 4 | 50 | 0.2 | 50.0 | 0.2 |
| Speaker | 3 | 600 | 1.8 | 800.0 | 2.4 |
| Total kW | | | 10 | | 13 |
| Amps / 3 x Phase | | | 14 | | 19 |

Fixture Weight

| Fixture | Net Weight | Shipping Weight | Fixture Dimension | | |
|-------------------|------------|-----------------|-------------------|--------|--------|
| | Kg | Kg | W (mm) | D (mm) | H (mm) |
| MH Profile | 55.0 | 61.5 | 509 | 303 | 844 |
| Fog | 32.0 | | 260 | 566 | 400 |
| Speaker Top units | 5.9 | 9 pcs. | 222 | 292 | 298 |



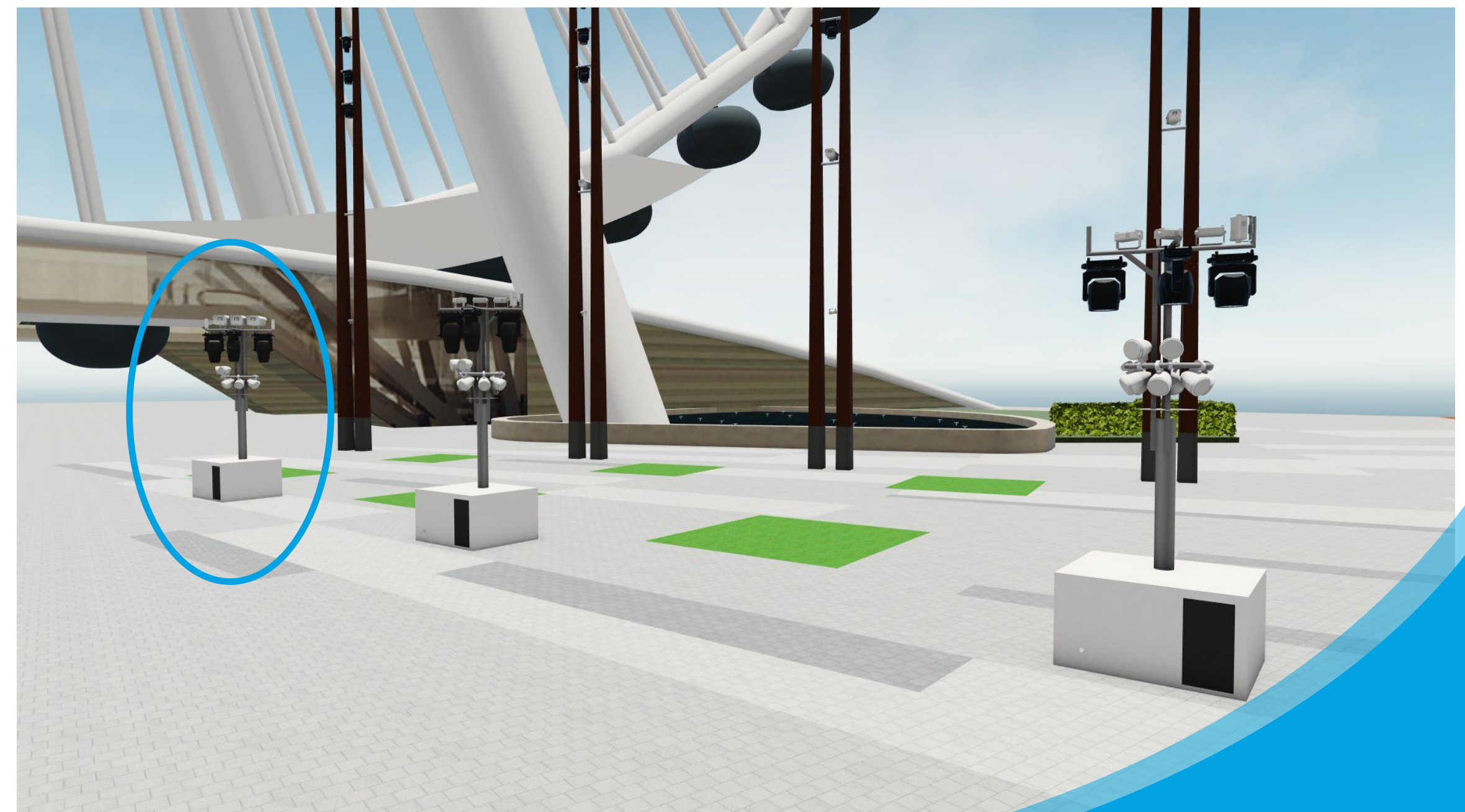
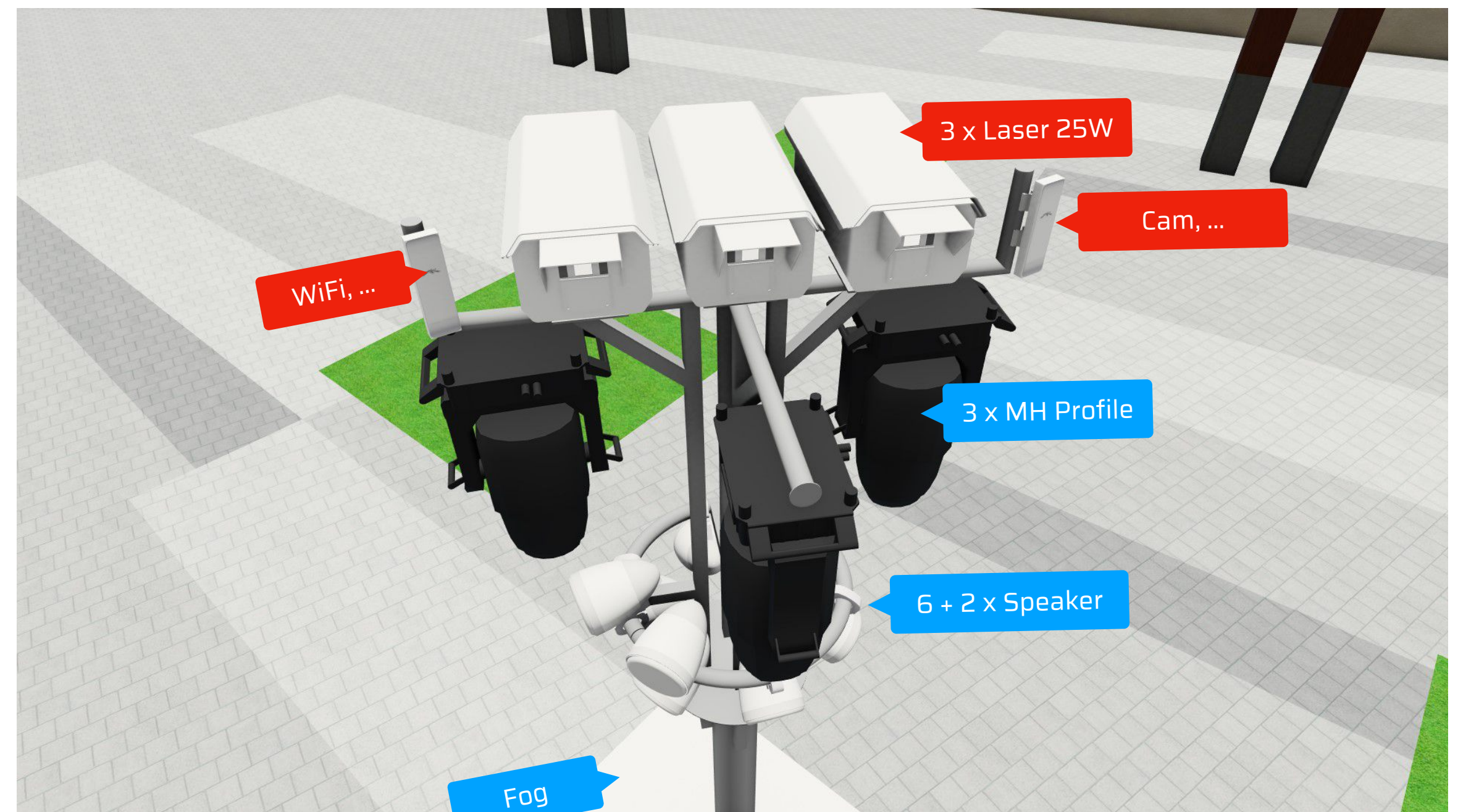
Power Distribution Speaker Poles Back

Speaker Poles Back (2)

| | Amount | Power / Unit | kW | Max. / unit | kW max. |
|-------------------------|--------|--------------|-----------|-------------|-----------|
| MH Profile | 3 | 1,530 | 4.6 | 1,530 | 4.6 |
| MH Wash | 0 | 450 | 0.0 | 850 | 0.0 |
| Fog | 1 | 1,500 | 1.5 | 3,000.0 | 3.0 |
| Laser 13W | 3 | 450 | 1.4 | 450.0 | 1.4 |
| Laser Firefly | 0 | 50 | 0.0 | 50.0 | 0.0 |
| Speaker | 2 | 600 | 1.2 | 800.0 | 1.6 |
| Total kW | | | 9 | | 11 |
| Amps / 3 x Phase | | | 13 | | 15 |

Fixture Weight

| Fixture | Net Weight | Shipping Weight | Fixture Dimension | | |
|-------------------|------------|-----------------|-------------------|--------|--------|
| | Kg | Kg | W (mm) | D (mm) | H (mm) |
| MH Profile | 55.0 | 61.5 | 509 | 303 | 844 |
| Laser 13/25W | 24.0 | | 260 | 800 | 370 |
| Fog | 32.0 | | 260 | 566 | 400 |
| Speaker Top units | 5.9 | 9 pcs. | 222 | 292 | 298 |



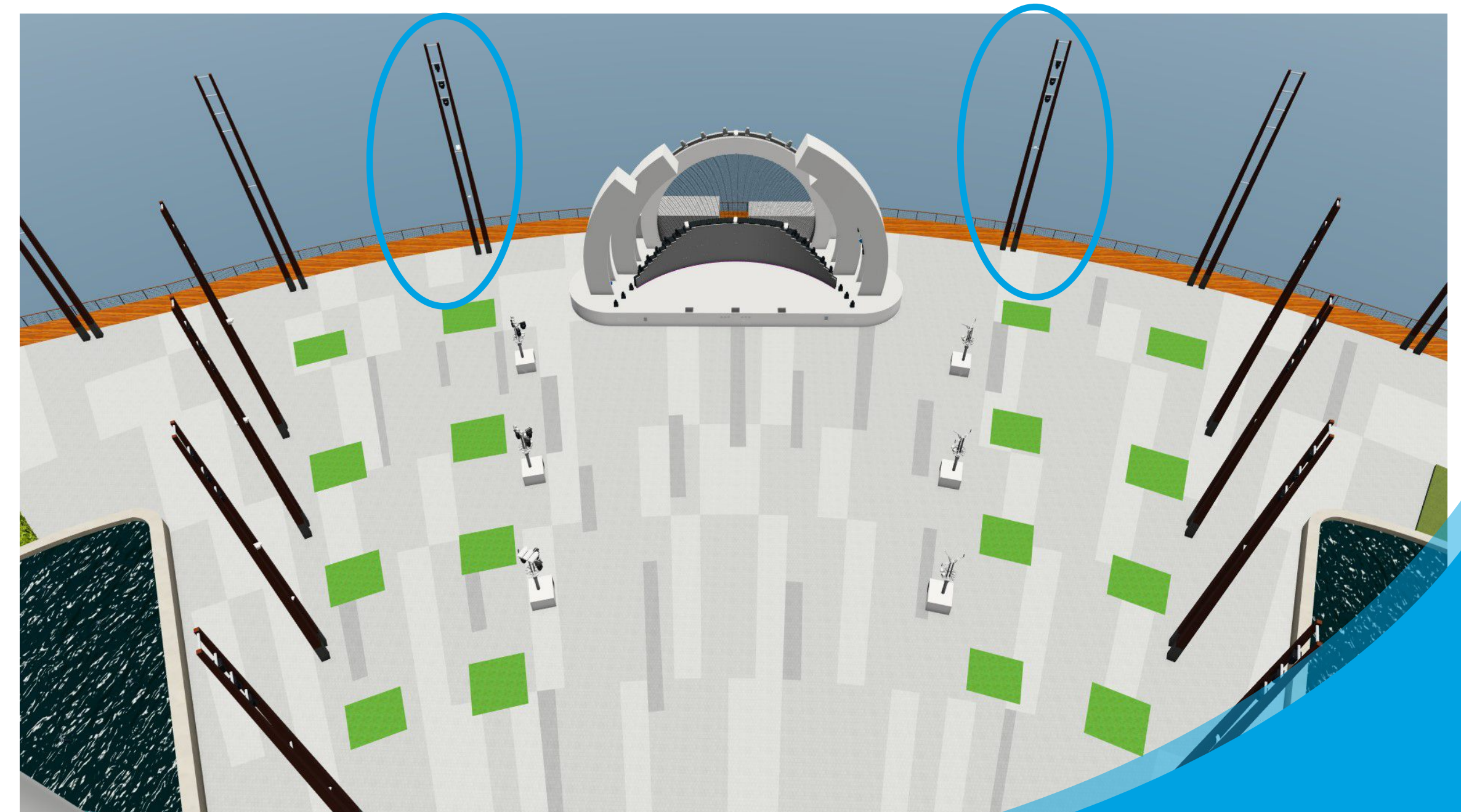
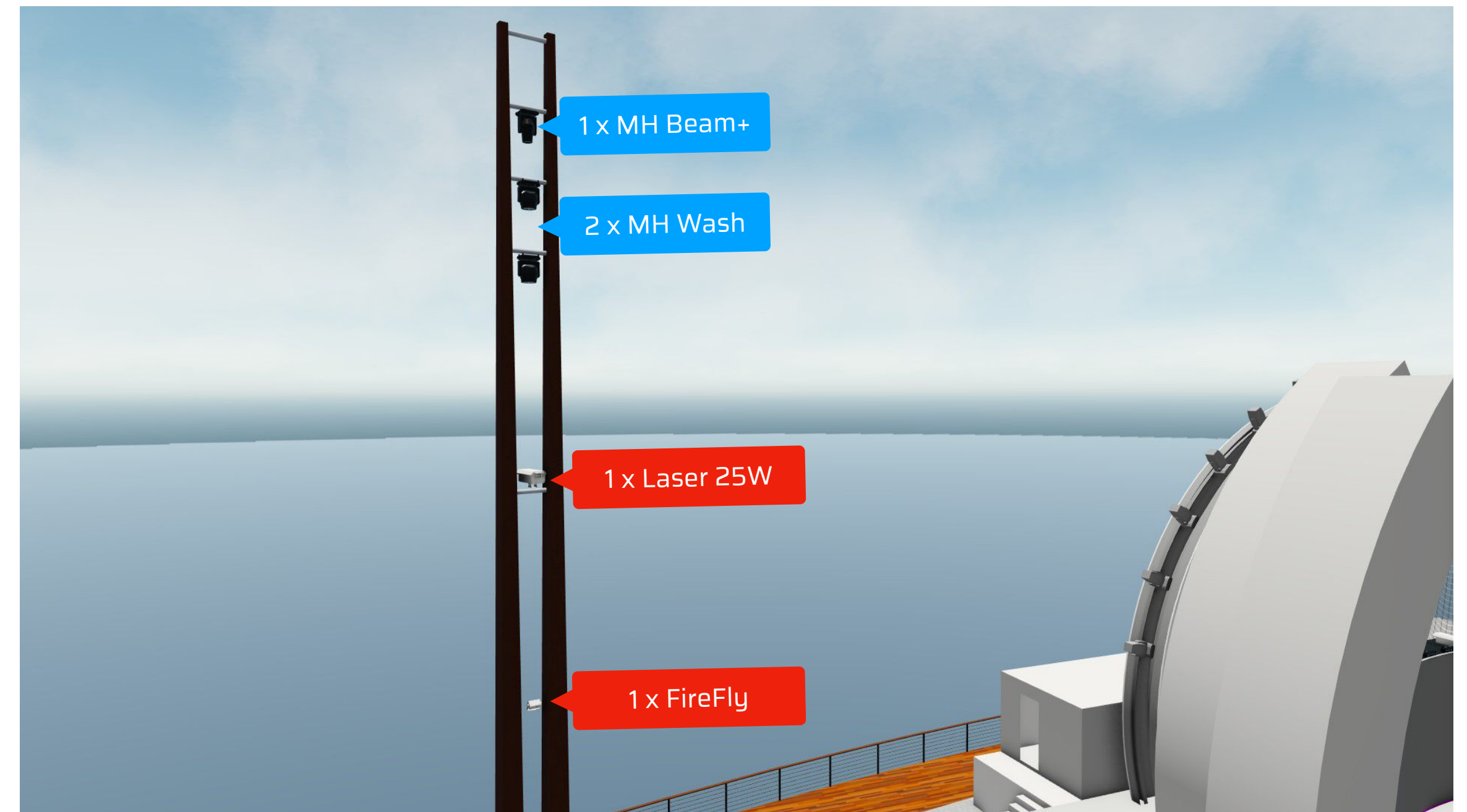
Power Distribution Poles Front

Poles front (2)

| | Amount | Power / Unit | kW | Max. / unit | kW max. |
|-------------------------|--------|--------------|----------|-------------|-----------|
| MH Beam RGB+ | 1 | 420 | 0.4 | 420 | 0.4 |
| MH Wash | 2 | 450 | 0.9 | 850 | 1.7 |
| Laser 25W | 1 | 450 | 0.5 | 450.0 | 0.5 |
| Laser Firefly | 1 | 50 | 0.1 | 50.0 | 0.1 |
| Total kVA | | | 2 | | 3 |
| Amps / 1 x Phase | | | 8 | | 11 |

Fixture Weight

| Fixture | Net Weight | Shipping Weight | Fixture Dimension | | |
|---------------|------------|-----------------|-------------------|--------|--------|
| | Kg | Kg | W (mm) | D (mm) | H (mm) |
| MH Beam | 28.5 | 32.0 | 393 | 343 | 745 |
| MH Wash | 29.0 | 32.8 | 530 | 395 | 563 |
| Laser Firefly | 3.2 | | 290 | 190 | 155 |



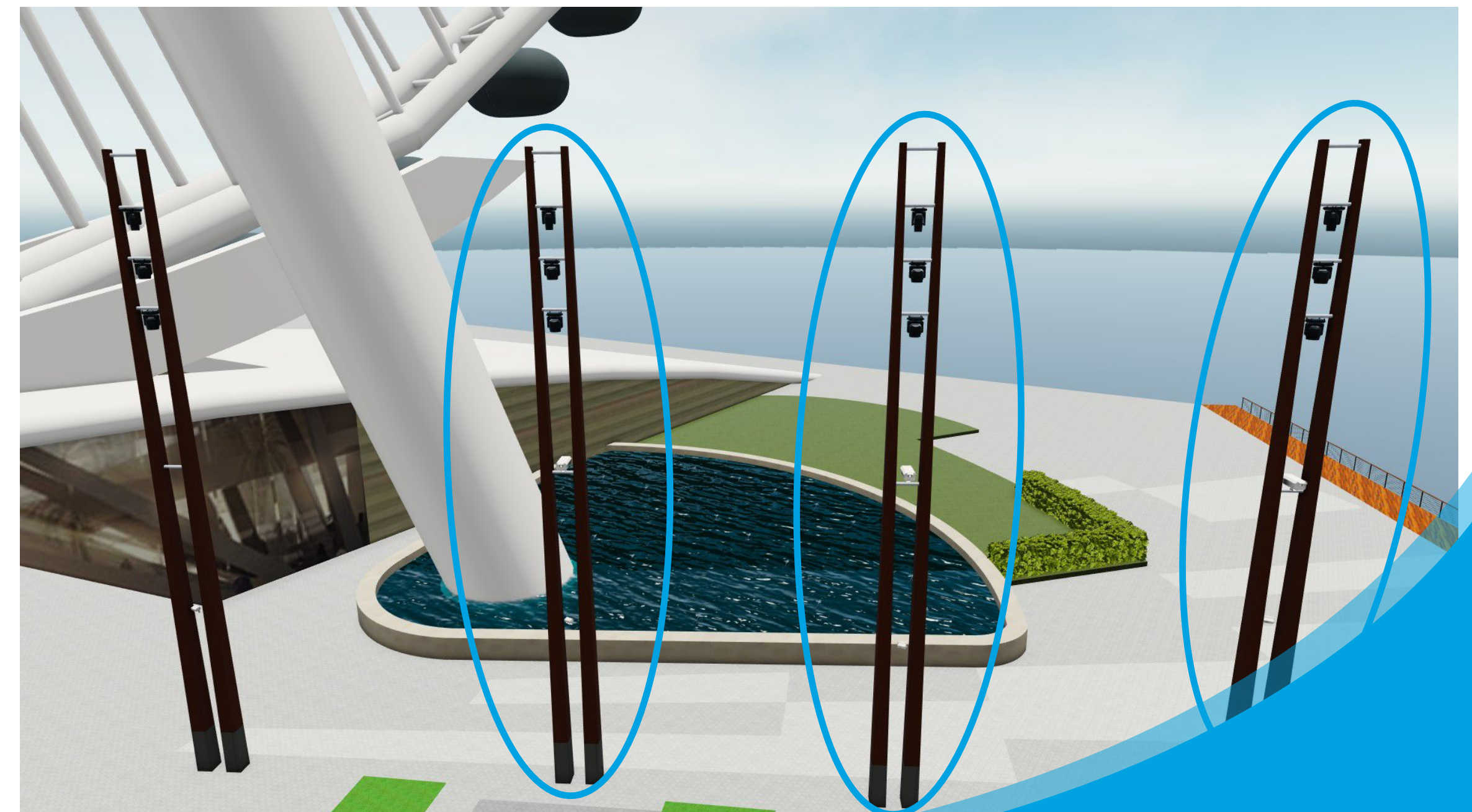
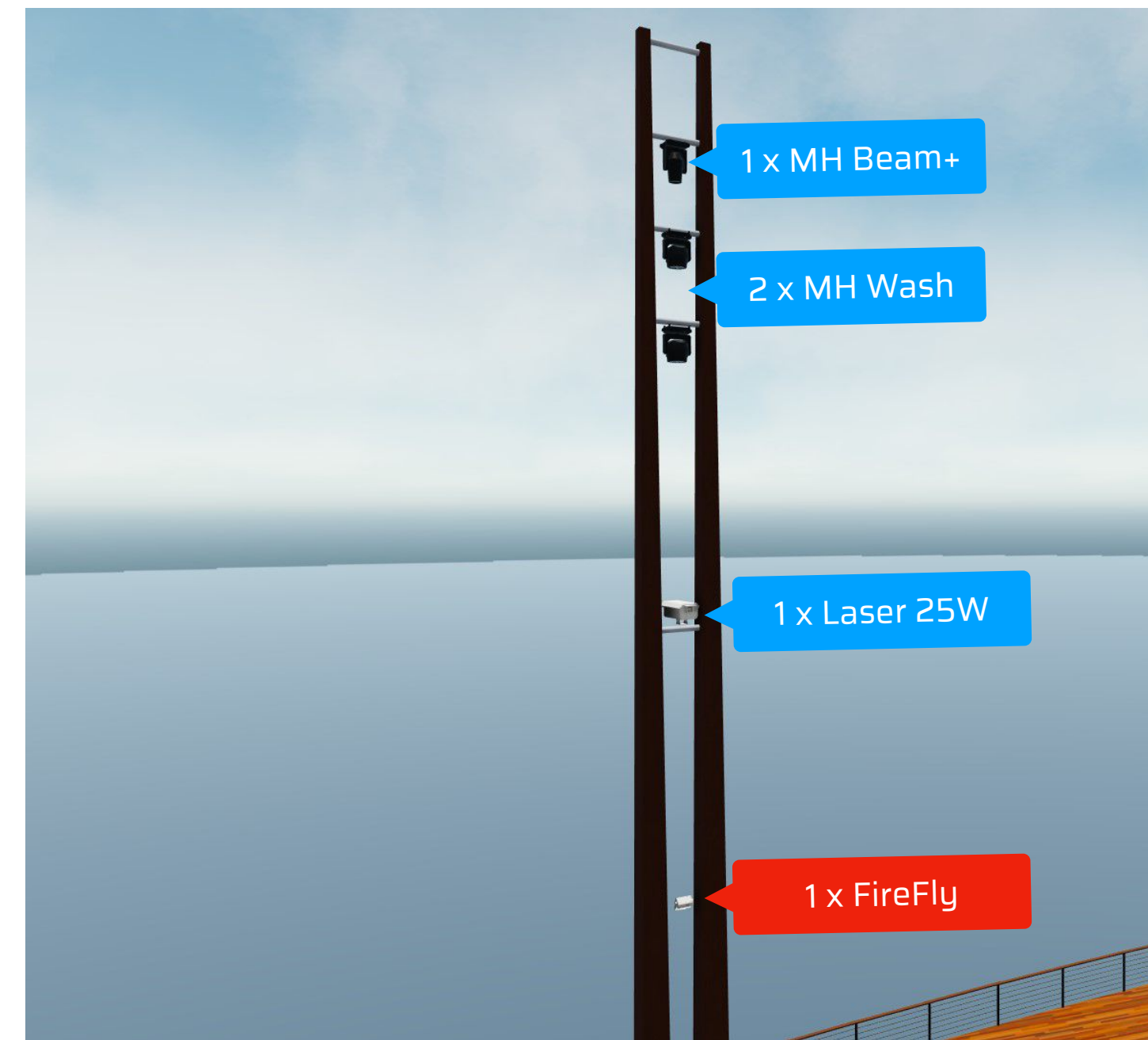
Power Distribution Poles Sides

Poles front (2)

| | Amount | Power / Unit | kW | Max. / unit | kW max. |
|-------------------------|--------|--------------|----------|-------------|-----------|
| MH Beam RGB+ | 1 | 420 | 0.4 | 420 | 0.4 |
| MH Wash | 2 | 450 | 0.9 | 850 | 1.7 |
| Laser 25W | 1 | 450 | 0.5 | 450.0 | 0.5 |
| Laser Firefly | 1 | 50 | 0.1 | 50.0 | 0.1 |
| Total kW | | | 2 | | 3 |
| Amps / 1 x Phase | | | 8 | | 11 |

Fixture Weight

| Fixture | Net Weight | Shipping Weight | Fixture Dimension | | |
|---------------|------------|-----------------|-------------------|--------|--------|
| | Kg | Kg | W (mm) | D (mm) | H (mm) |
| MH Beam | 28.5 | 32.0 | 393 | 343 | 745 |
| MH Wash | 29.0 | 32.8 | 530 | 395 | 563 |
| Laser Firefly | 3.2 | | 290 | 190 | 155 |



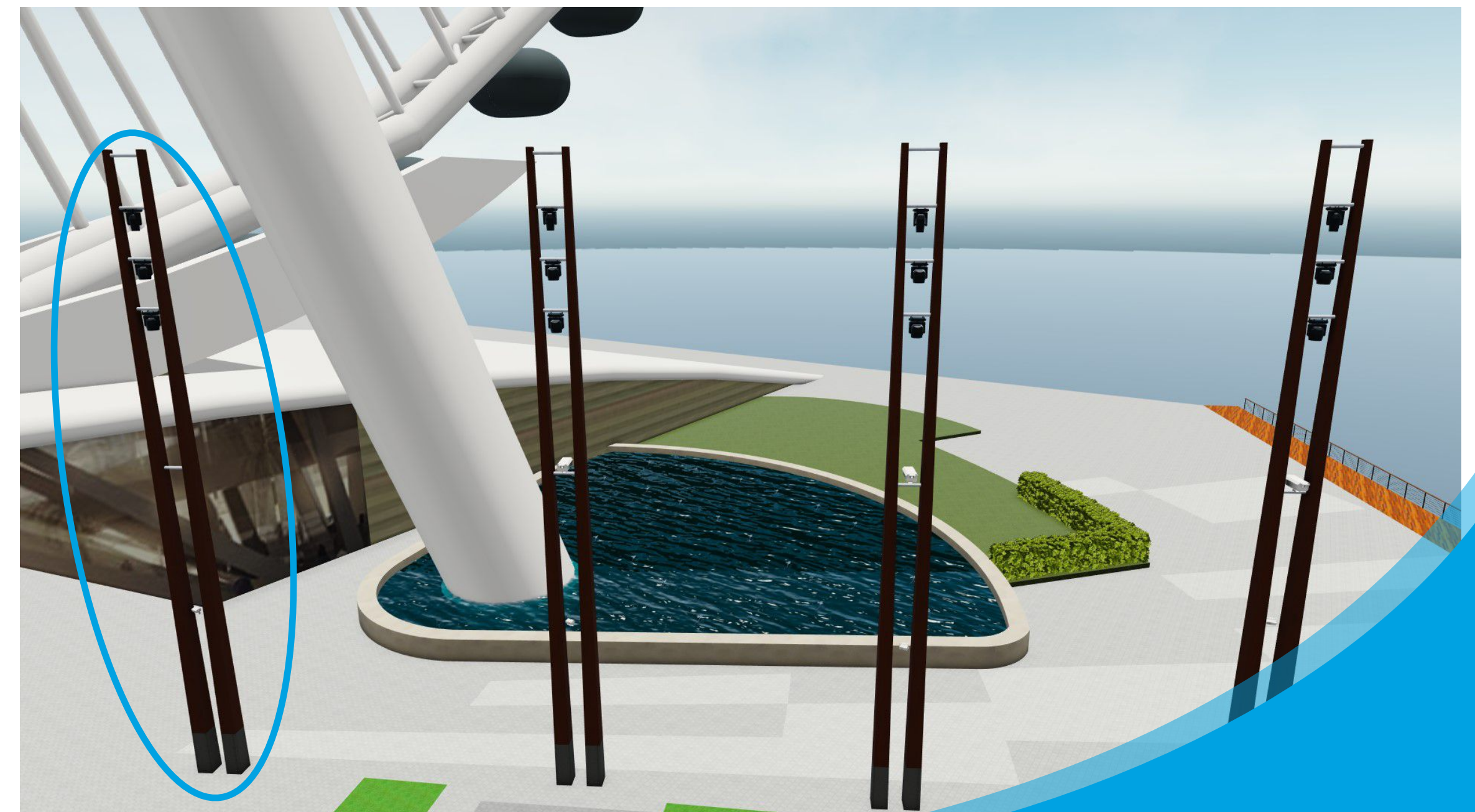
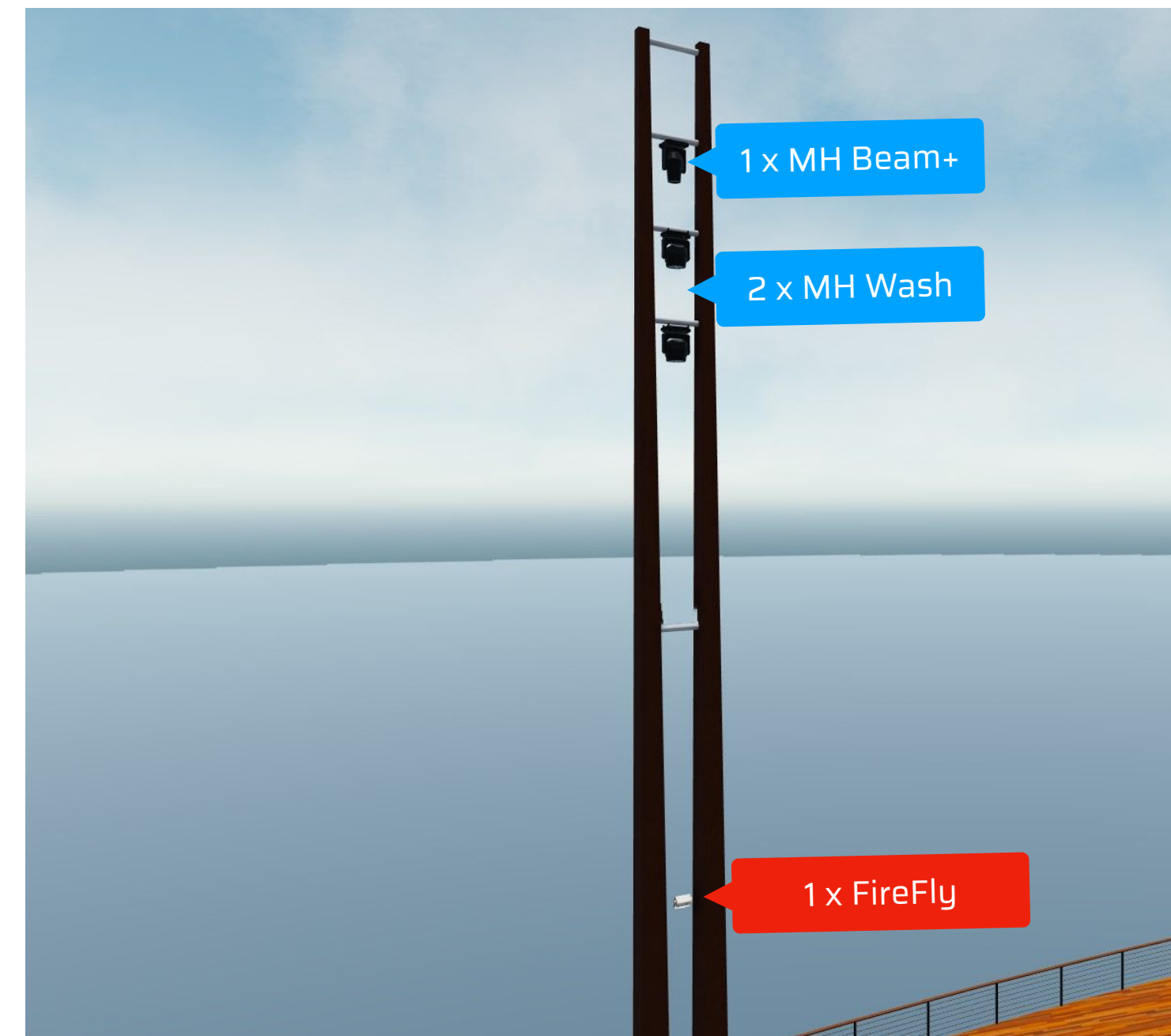
Power Distribution Poles Sides

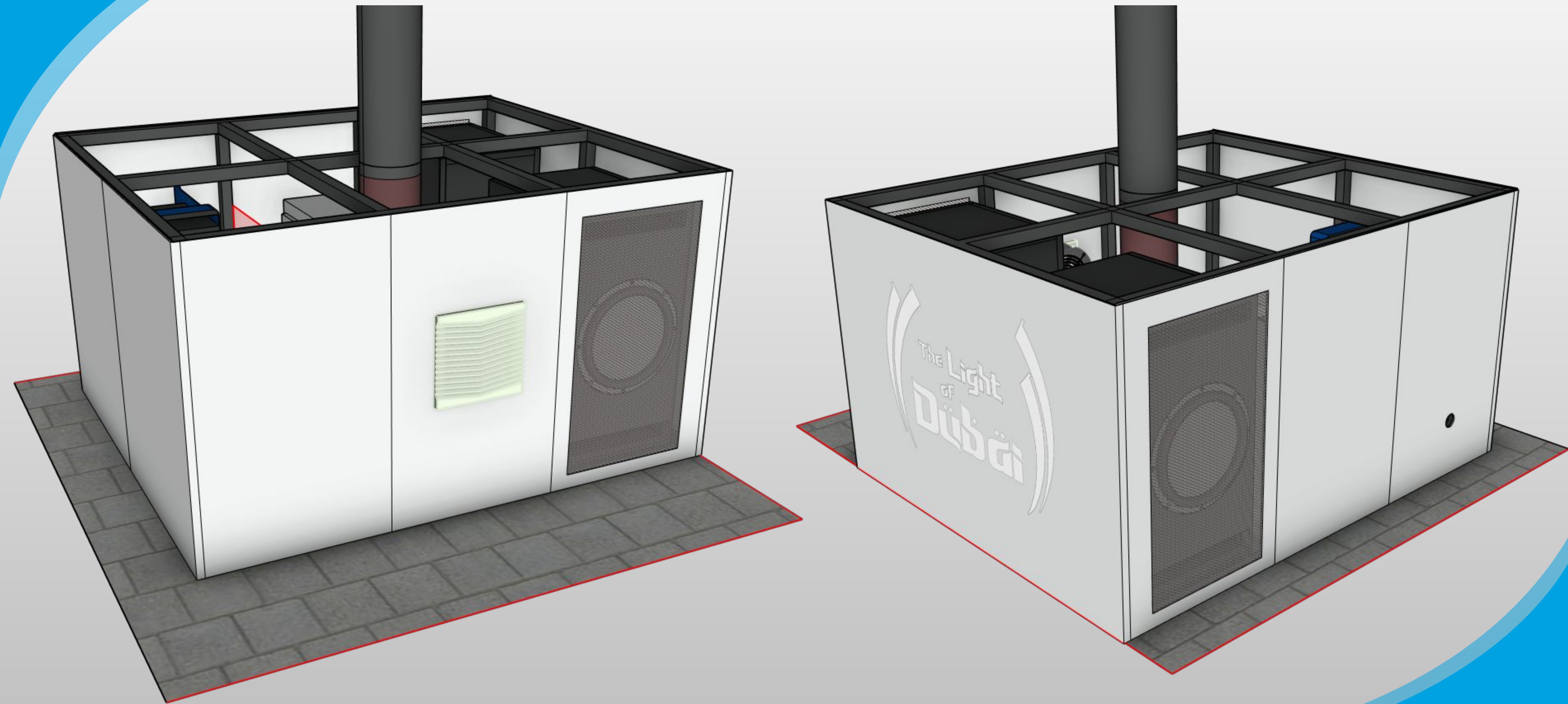
Poles front (2)

| | Amount | Power / Unit | kW | Max. / unit | kW max. |
|-------------------------|--------|--------------|----------|-------------|----------|
| MH Beam RGB+ | 1 | 420 | 0.4 | 420 | 0.4 |
| MH Wash | 2 | 450 | 0.9 | 850 | 1.7 |
| Laser 25W | 0 | 450 | 0.0 | 450.0 | 0.0 |
| Laser Firefly | 1 | 50 | 0.1 | 50.0 | 0.1 |
| Total kW | | | 1 | | 2 |
| Amps / 1 x Phase | | | 6 | | 9 |

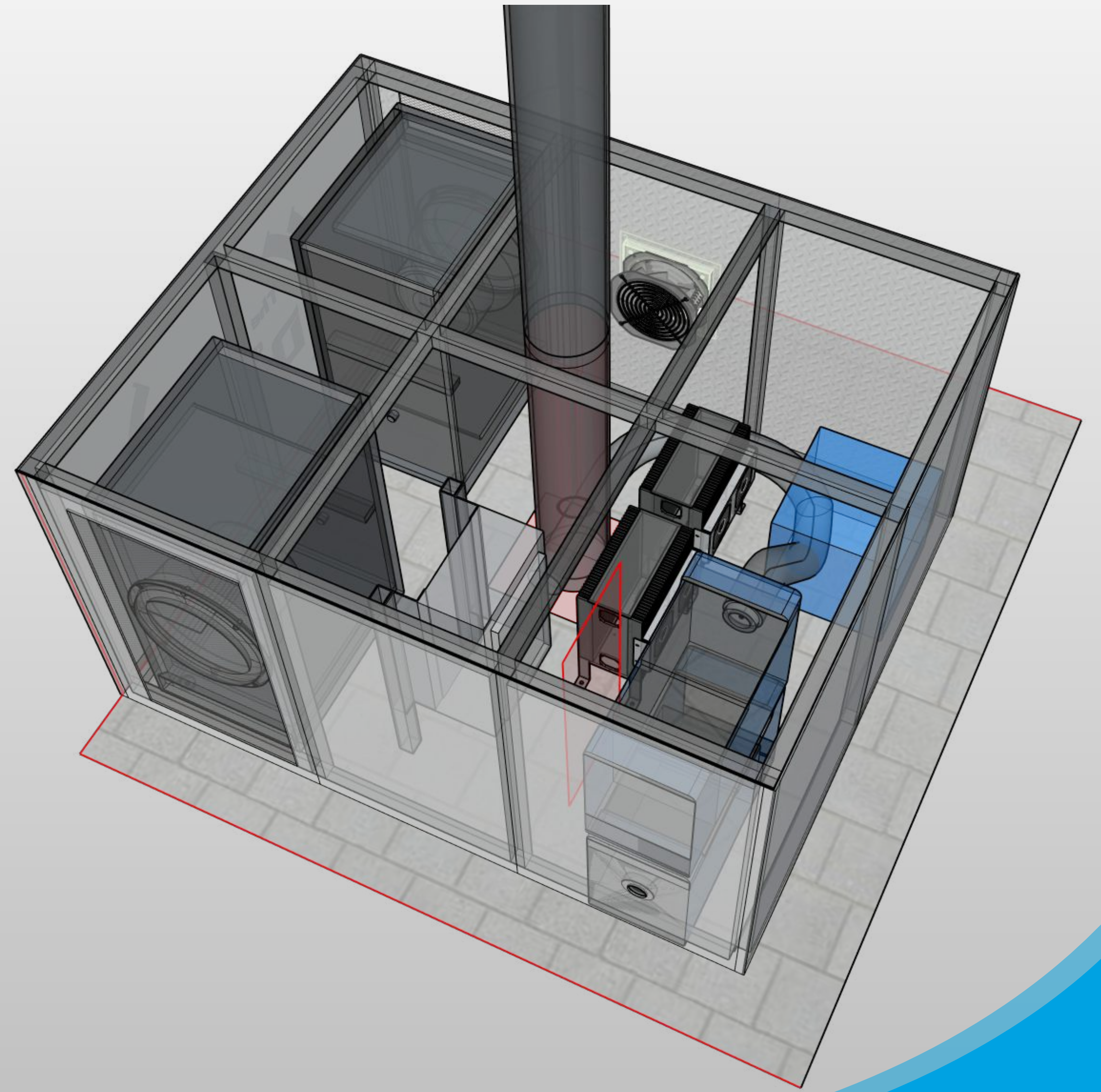
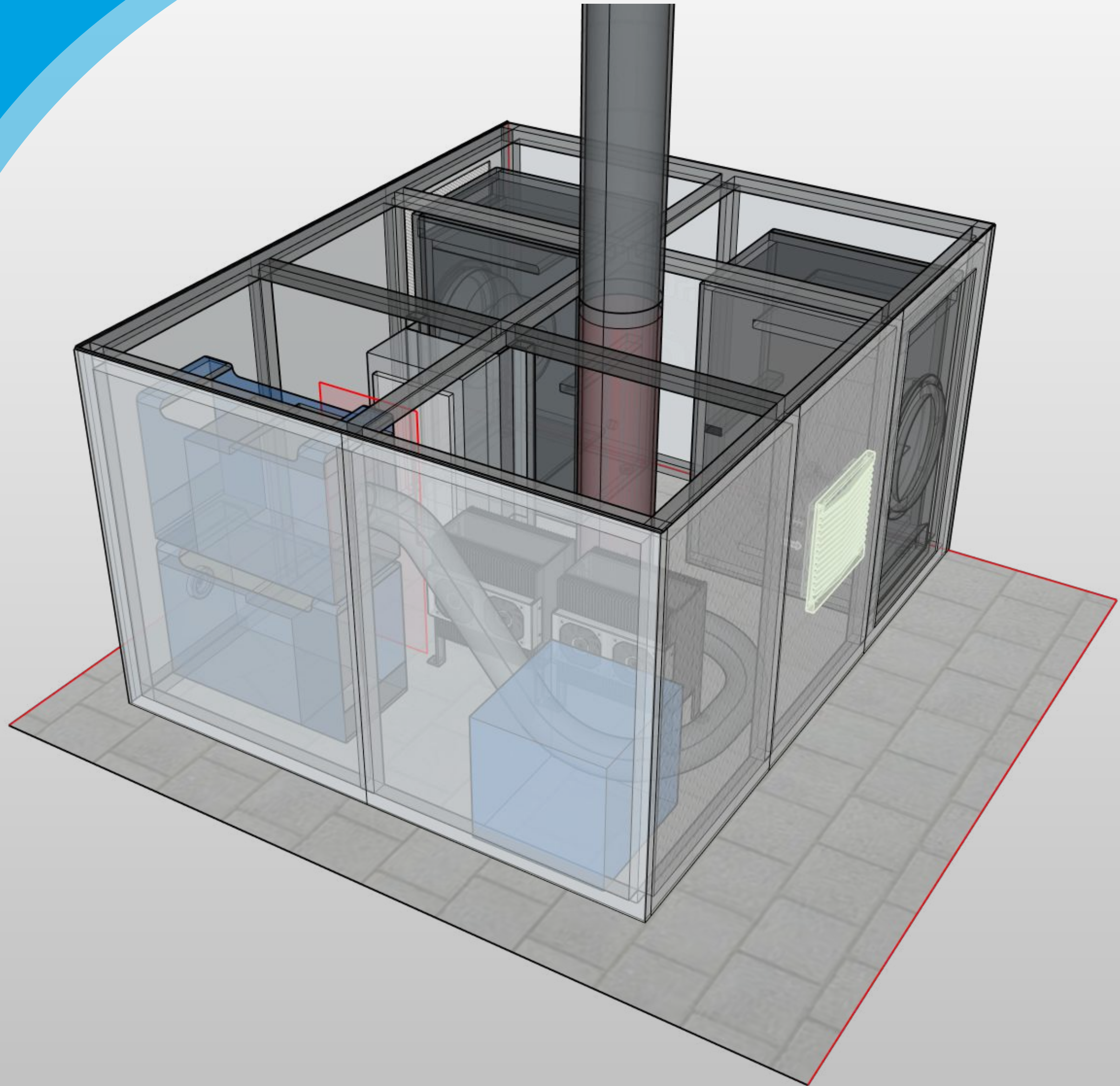
Fixture Weight

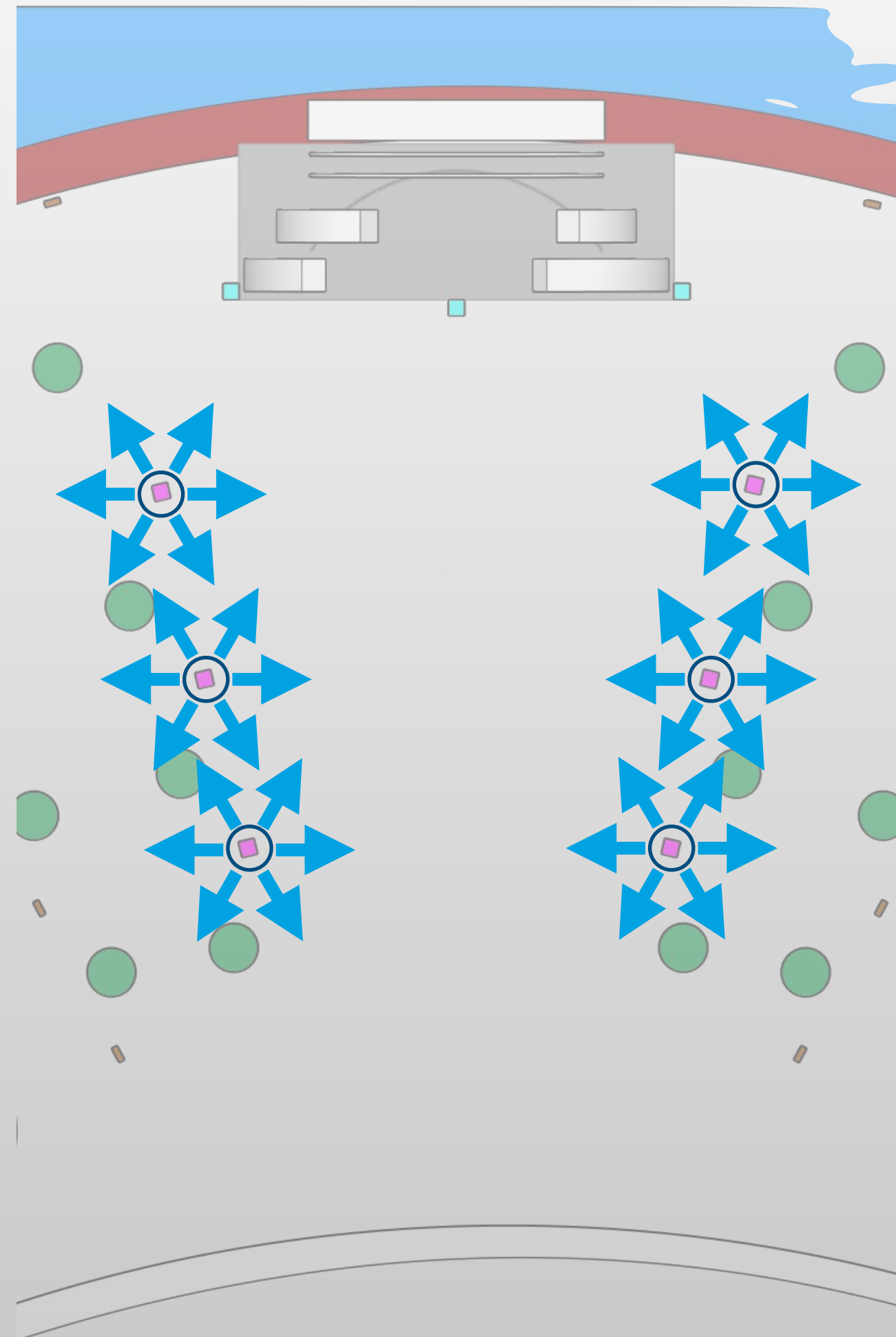
| Fixture | Net Weight | Shipping Weight | Fixture Dimension | | |
|---------------|------------|-----------------|-------------------|--------|--------|
| | Kg | Kg | W (mm) | D (mm) | H (mm) |
| MH Beam | 28.5 | 32.0 | 393 | 343 | 745 |
| MH Wash | 29.0 | 32.8 | 530 | 395 | 563 |
| Laser Firefly | 3.2 | | 290 | 190 | 155 |



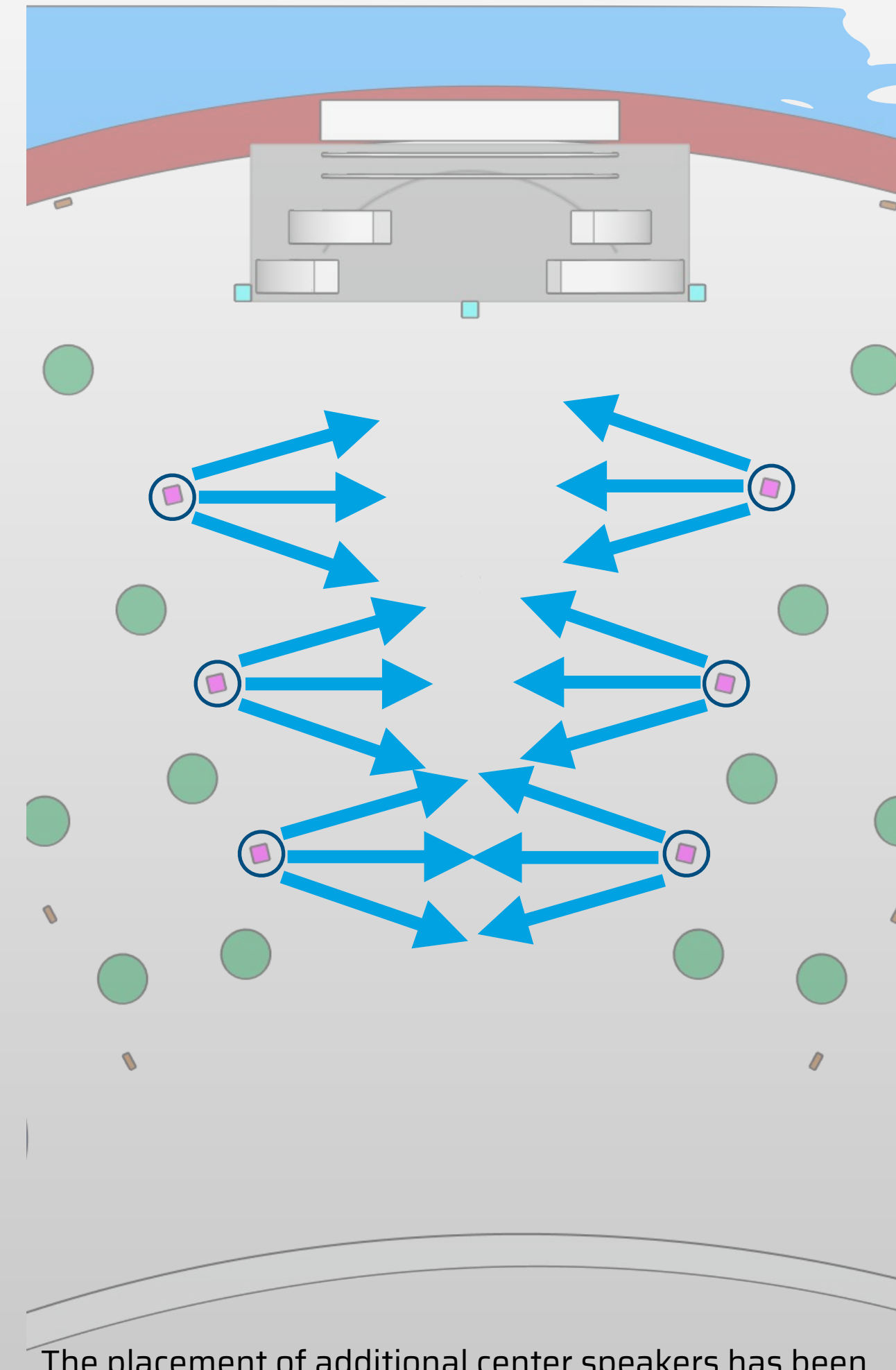


Speaker Poles





For the immersive sound experience 6 top speaker units will be used to distribute the sound natively in a 360° field.



The placement of additional center speakers has been rejected by the client. To have good sound distribution for the important center area we added 2 top units and direct to that area. The subwoofers with its electronics will be added to the poles cabinets.