

# Hi-LED 55

Seamless, modular  
LED video walls

**alu**vision 

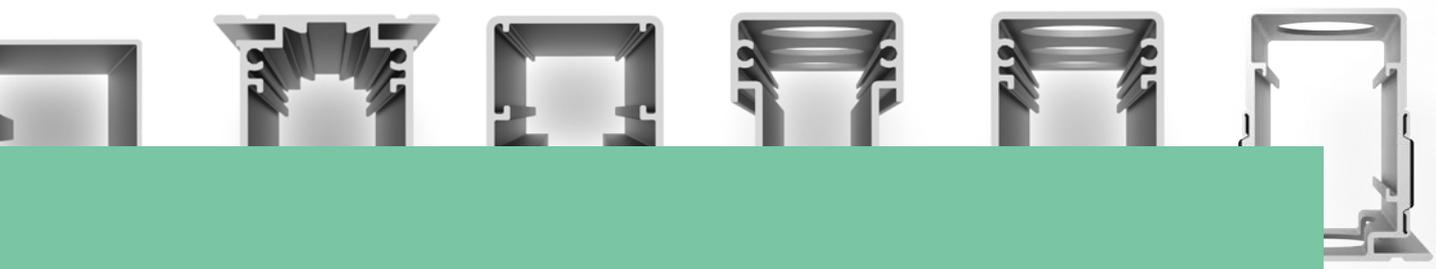


Our mission  
is **imagineering** .  
We **inspire** &  
**connect** partners  
on their creative  
journey to design  
& build **modular**  
environments.

As an innovative developer and worldwide supplier of high quality modular systems for indoor and outdoor environments and events, Aluvision combines bold imagination with unmatched engineering and manufacturing expertise. The Aluvision frame system offers solutions for straight and curved walls, LED video walls, hanging signs, lightboxes, displays and retail environments. Sustainability, reusability, precision, flexibility, and modularity are the core features.

Aluvision is a first-generation manufacturing company where passion and drive are core elements. A family business started by a strong couple, Ann Vancouillie and Dirk Deleu, Aluvision tells a story of ambition, challenge, and growth. We dare to dream, but with a 'no-nonsense' approach.

Founded in Belgium in 2003, Aluvision currently employs over 170 people and services more than 3,500 partners worldwide. As the original manufacturer of the Aluvision system, the company has large production facilities and inspiring showrooms in Deinze (BE) and Atlanta (USA), with a specialty showroom and parts depot in Las Vegas (USA).



## Create a powerful visual experience

Boost your presence! With Aluvision's integrated LED video walls, an extra dimension has been added to the renowned, original Aluvision frame system. The Hi-LED 55 is the most versatile tile that can be incorporated into a modular building system. Its unique dimensions of 496x496x55 mm allow a seamless integration of LED screens into the modular constructions. The combination of the Hi-LED 55 and the Aluvision frames offers a light-weight, sleek, easy-to-install, yet very solid end result. Enjoy a brilliant visual experience guaranteed by the 2.8, 2.5 and 1.9 pixel pitch, CrystalView technology and premium level flatness. Hi-LED 55 is also available in an outdoor 3.9 pixel pitch version, 496x496x62 mm.

## Why choose Hi-LED 55?

- ✓ Straight and curved LED tiles for walls, ceilings, and floors
  - ✓ Advanced all-in-one design
  - ✓ Quick, easy, and toolless installation
  - ✓ Full front and rear maintenance (both LED modules and power box)
  - ✓ Raised flooring system
  - ✓ One tile, endless solutions: Hi-LED 55+
  - ✓ Endless possibilities for assembly, including concave and convex mounting
  - ✓ Specially developed flight cases for secure transportation
  - ✓ Indoor and outdoor applications
- 

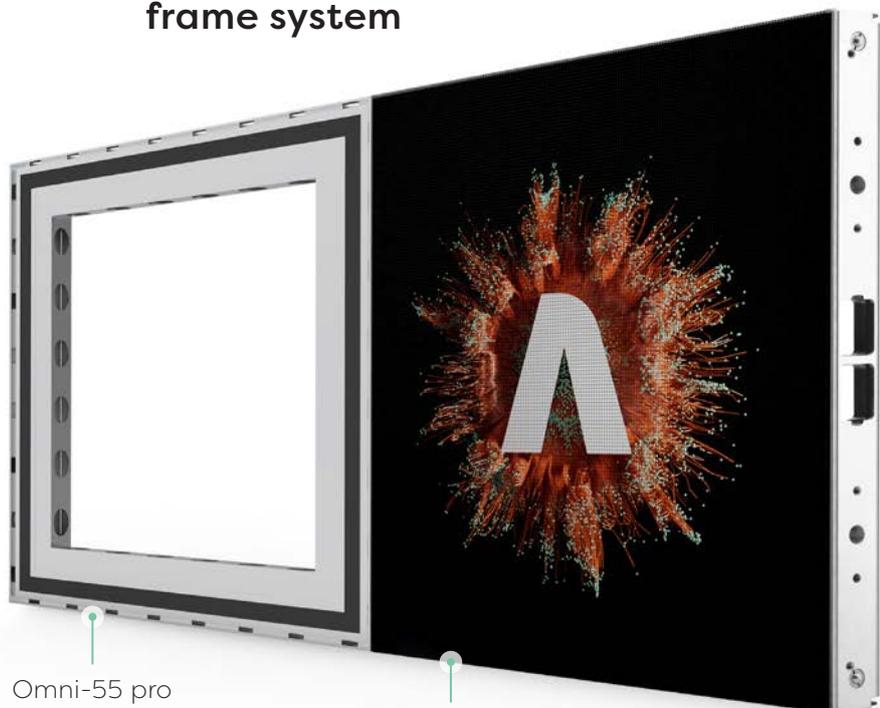


# Straight tiles, bright smiles

The most versatile LED tile available for seamless integration in a modular system. The patented, matte black click mask and black faced LEDs guarantee optimal contrast, ensuring vivid, crisp images and a supreme image quality.



**Flush integration with  
the original Aluvision  
frame system**



Omni-55 pro

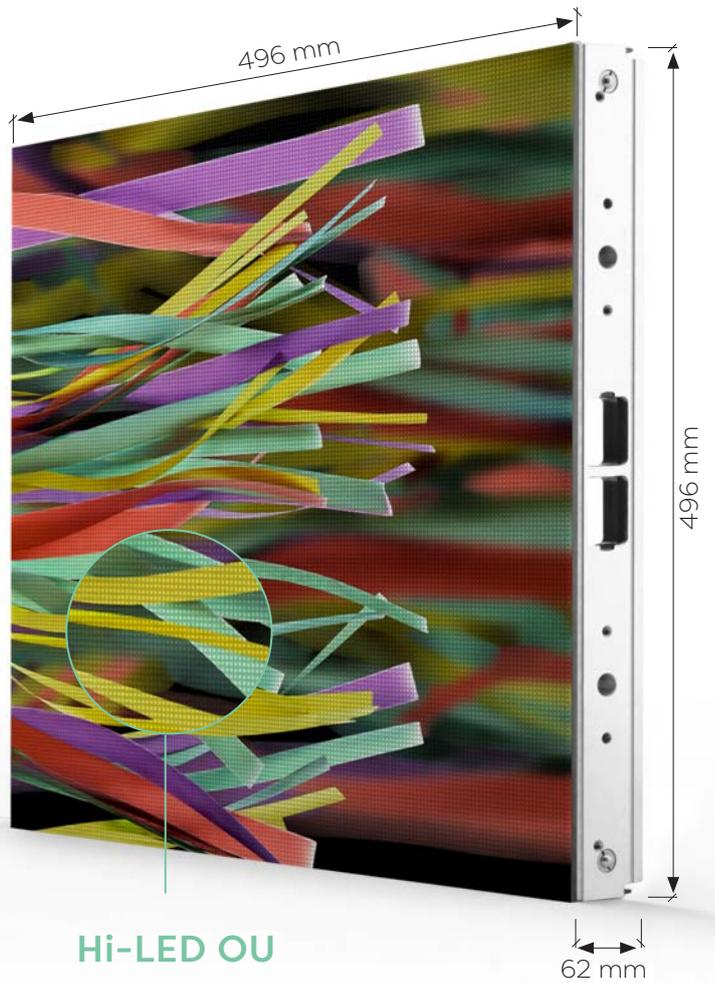
Hi-LED 55

## Discover the unique dimensions of our straight LED tiles



### Hi-LED 55

- ✓ Pixel pitch: 2.8, 2.5 and 1.9 mm
- ✓ Dimensions: 496x496x55 mm
- ✓ Usage: indoor



### Hi-LED OU

- ✓ Pixel pitch: 3.9 mm
- ✓ Dimensions: 496x496x62 mm
- ✓ Usage: outdoor

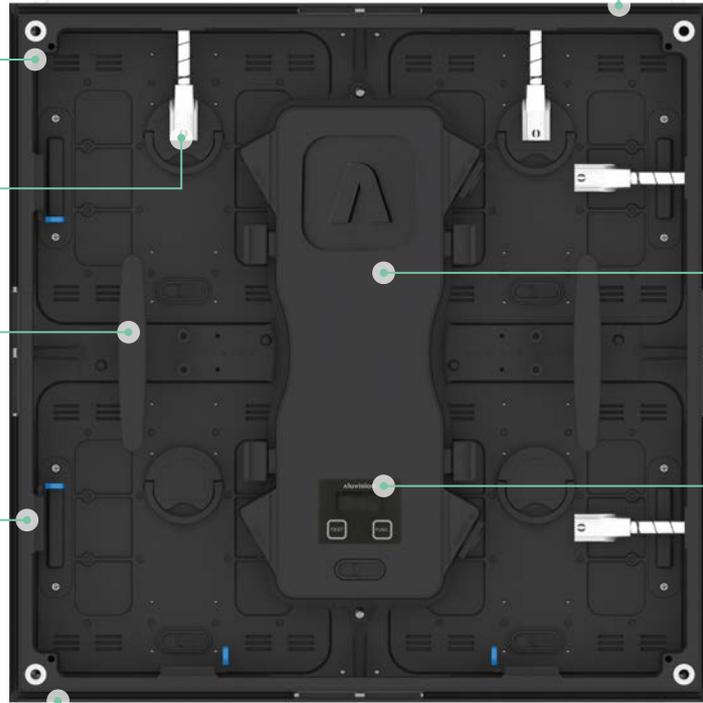
# Advanced all-in-one design

Cast aluminum cabinet frame

Quick Lock system for toolless connection

Easy Grip handles allow ergonomic one-person setup

Slot for SEG fabric to cover the back with fabric infill



Magnetic alignment and positioning pins guarantee precise mounting

Toolless interchangeable cast aluminum power box

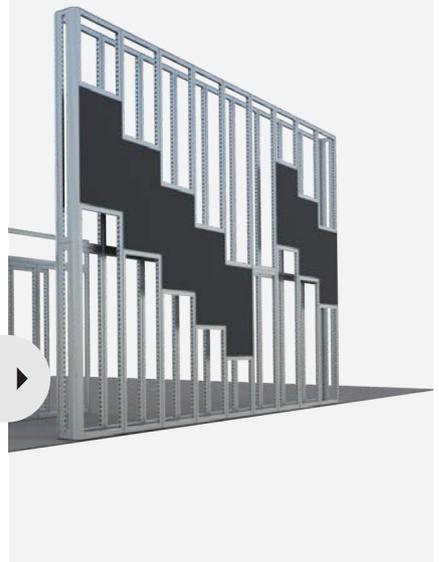
LCD information display shows operating hours, current, temperature, and software version

Edge protection prevents direct contact with the ground



EXPLORE MORE DETAILS ON OUR WEBSITE

Discover the structure behind the design.



# Be clearly present!



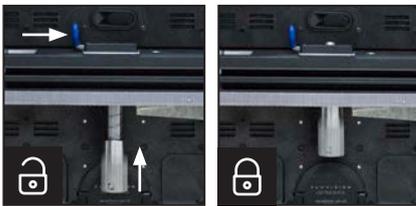
## Hi-LED 1.9

- ✓ Pixel pitch: 1.9 mm
- ✓ Brightness: 1000 nits
- ✓ Dimensions: 496x496x55 mm
- ✓ 2.5x higher strength
- ✓ Maintenance friendly
- ✓ Ideal for film studios
- ✓ 4-in-one IMD (Integrated Mounted Device)



# Quick and easy installation

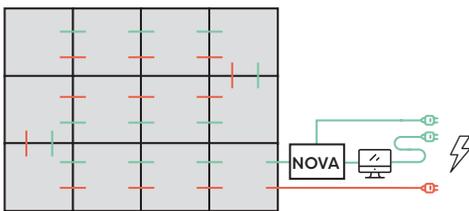
- ① Magnetic alignment and positioning pins ensure **precise mounting**
- ② **Easy Grip handles** allow ergonomic one-person setup
- ③ Outdoor-ready and interchangeable **power box**
- ④ **Quick Lock system** for toolless fixation



- ⑤ **Effortless wiring** with silicone rubber Super Flex power cable

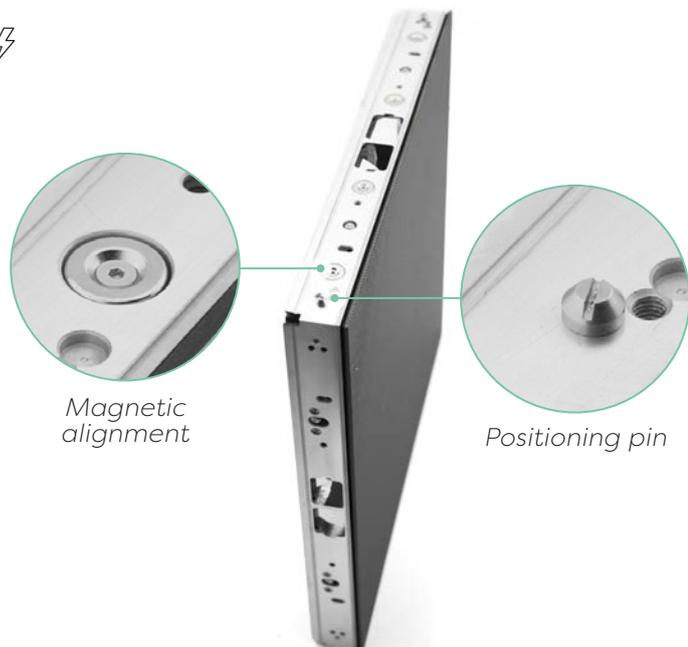


— signal/data — power



Hi-LED 55 chain

Both cables are **outdoor-proof**.



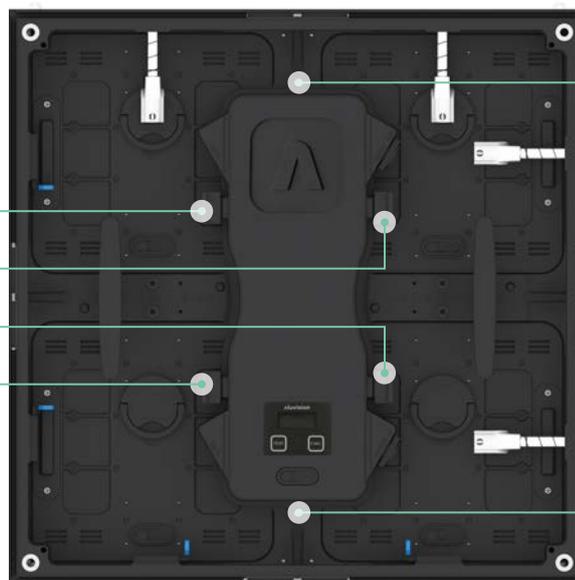
# Full front and rear maintenance



Front and rear access to interchangeable power box and LED modules



Toolless tighteners for quick and easy attachment of the power box



Positioning pins

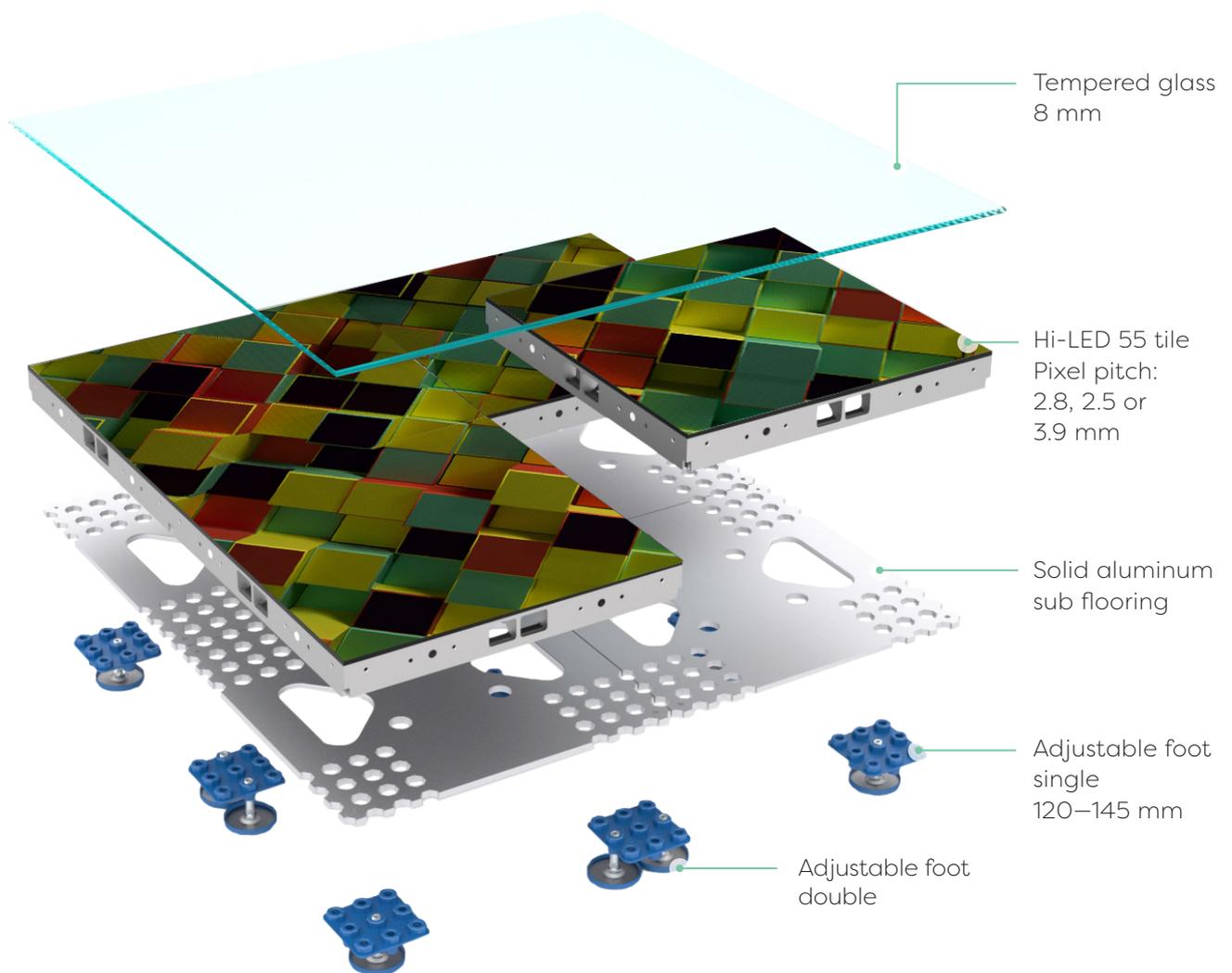


# Raised flooring system

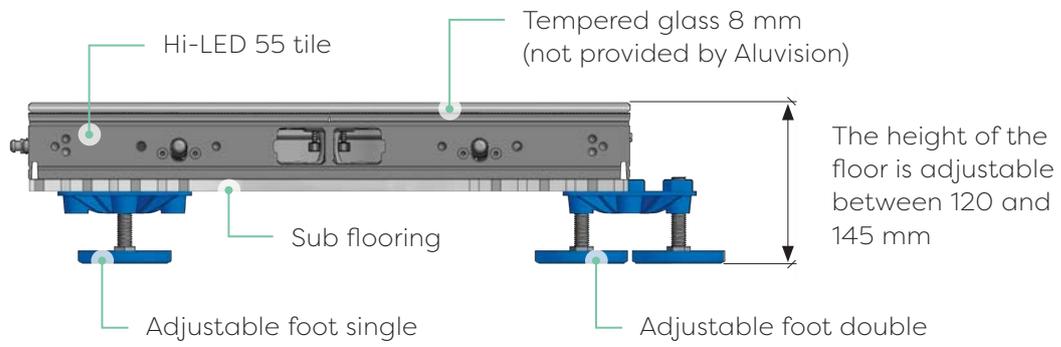
From a dynamic floor at tradeshows, to an eye-catcher at your corporate event, anything is possible with this raised LED flooring system. This floor is built out of a solid aluminum subflooring and tempered glass to protect the LED units. Thanks to the adjustable foot, you can level the floor between 120 and 145 mm.



## Hi-LED 55 for floors



# The world is at your feet



# Secure transportation



Stackable flight case for 10 straight Hi-LED(+) tiles and accessories



Save space and effort with practical tipping wheels

↙ ↘ Size: 1191x585x763 mm (LxWxH)



Gross weight 3.9 mm: 166 kg  
Gross weight 2.8 mm: 153 kg  
Gross weight 2.5 mm: 165,8 kg  
Gross weight 1.9 mm: 161 kg  
Net weight: 55 kg



Hi-LED 55 module packaging box. Can hold 12 spare modules

↙ ↘ Size: 600x400x320 mm (LxWxH)



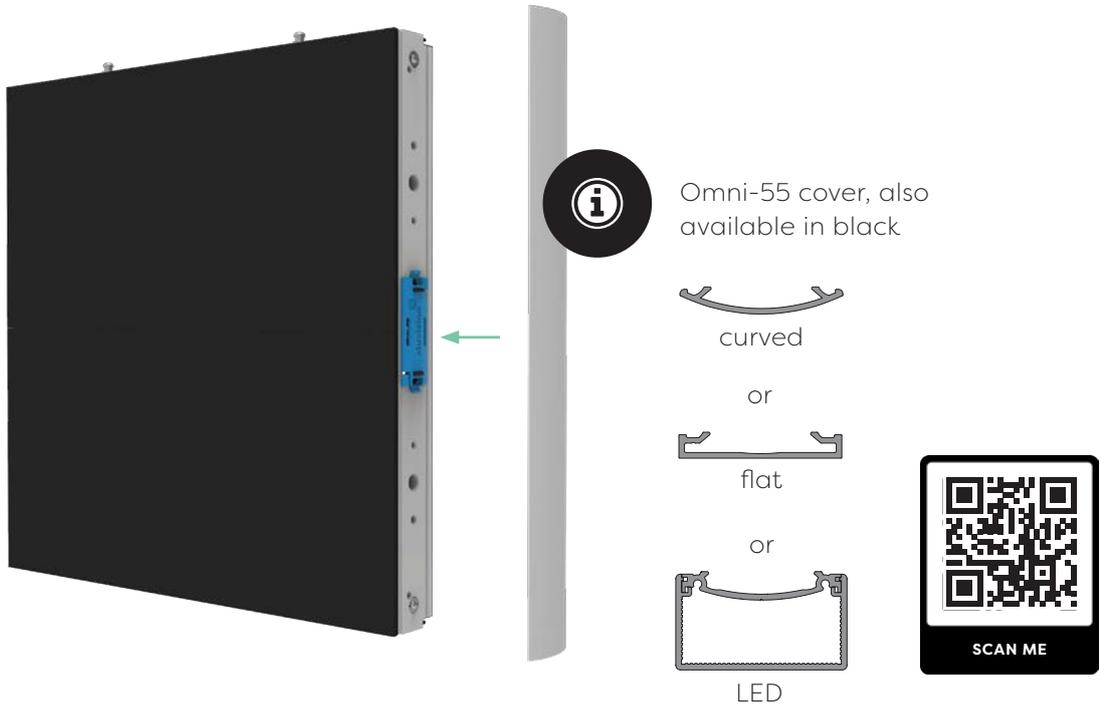
Net weight: 4,33 kg



Protective cover included with every LED tile

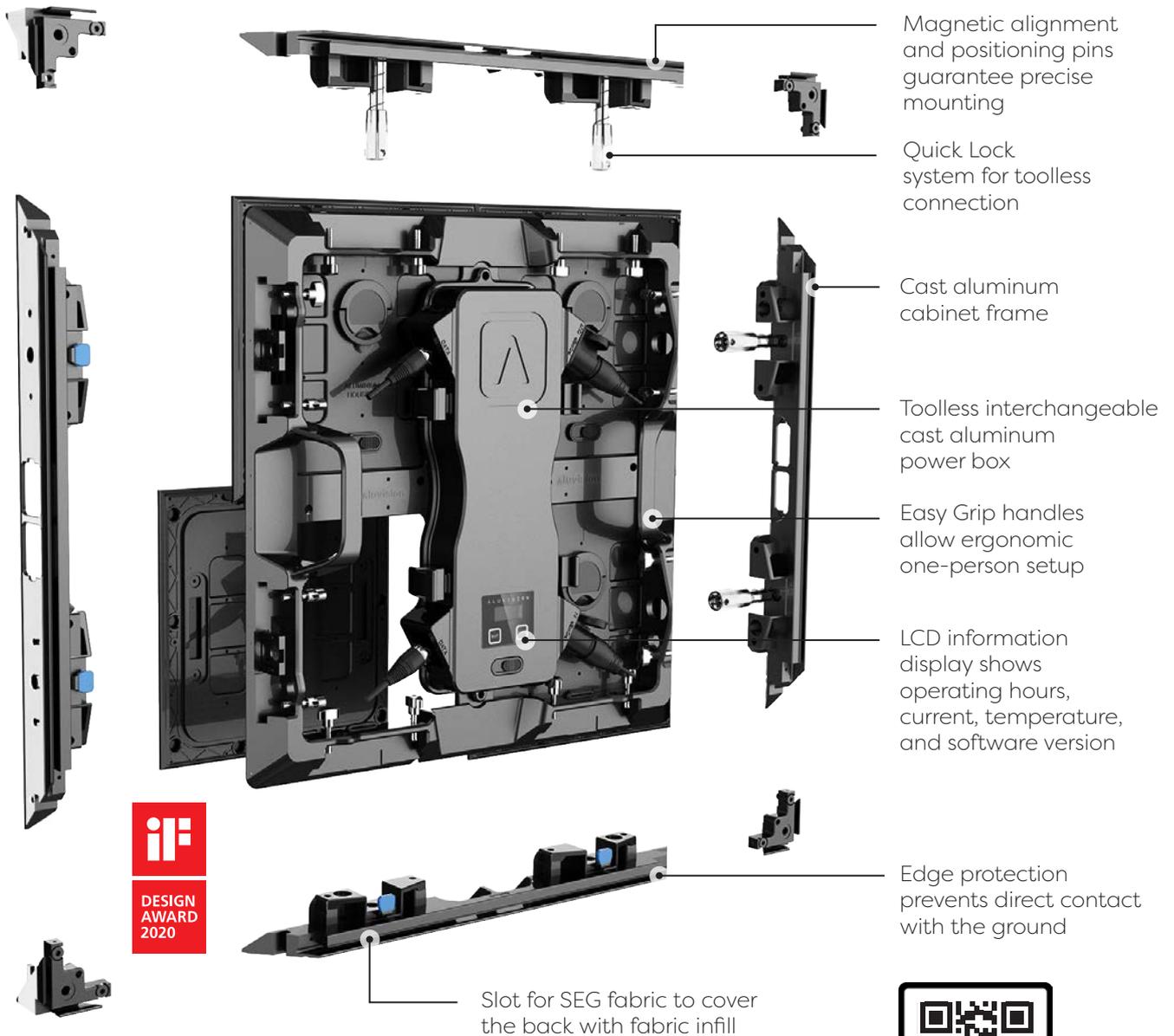


# Decorative finishing options



# One tile, endless solutions

Create an immersive visual masterpiece with the award-winning Hi-LED 55+, boasting unparalleled pitches of 3.9mm for outdoor use and 2.8, 2.5 and 1.9mm for indoor use. Every module, with its sleek four chamfered sides, merges cutting-edge design with optimal clarity. Edge-to-edge viewability over 90-degree angles aren't just a dream but vivid reality. Seamless compatibility with Hi-LED 55 ensures limitless possibilities, all backed by patented technology. Elevate your display experience with perfection in every pixel.



# Transform the most versatile LED tile into 5 different configurations with the Hi-LED 55+

1

## Straight tile

This is where it all begins. A convertible LED tile, fully compatible with the Aluvision frame system and Hi-LED 55.



2

## Corner

Let's get the magic started and convert two tiles into a seamless 90° corner.

3

## 3D corner

Let's add a little extra, and create a 3D corner. Don't forget, all of this with just one building block.



4

## Cube

Let's go all the way and create a cube. This tile is able to seamlessly finish up to 6 sides. Combine more Hi-LED 55+ tiles to create different sizes.

5

## Concave & convex

Think waves, curved walls, or basically any curved construction. Just go wild!



# Endless options for assembly

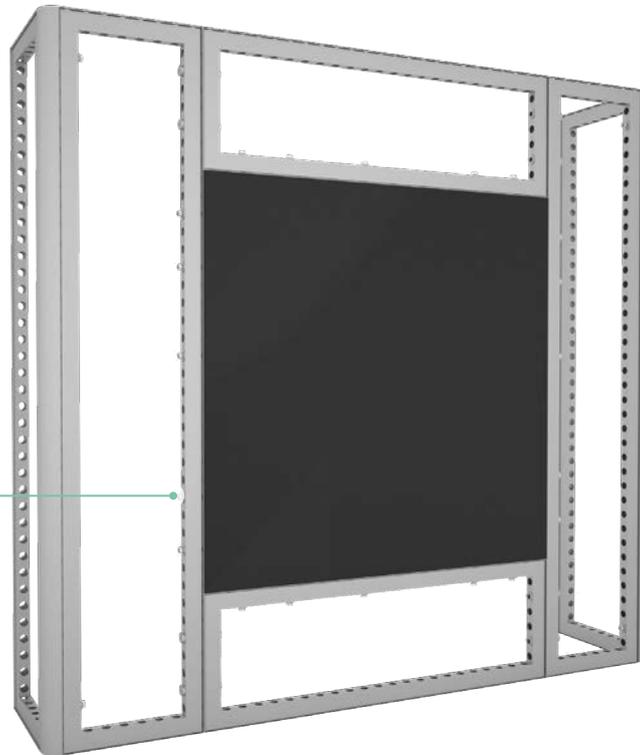


## In line

Flush integration of the video wall. Fasten with standard quick tighteners "LS M6/D30 x 80".



Quick tightener  
"LS M6/D30 x 80  
quickfix A"



## Corner

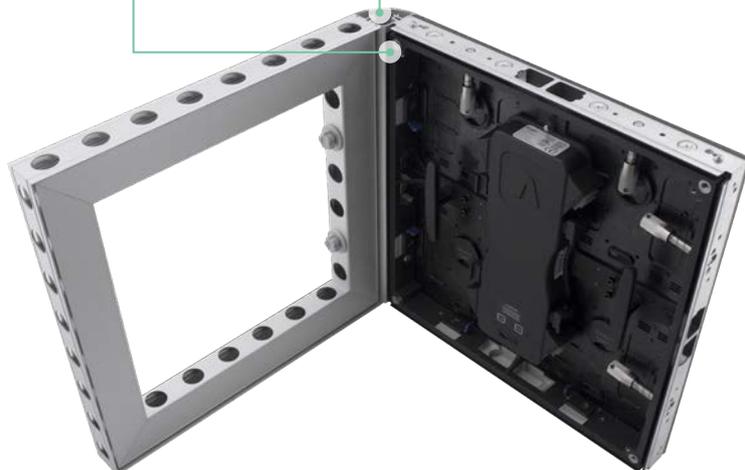
Compatible with all Aluvision corner profiles. Fasten with standard quick tighteners "M6\*30".



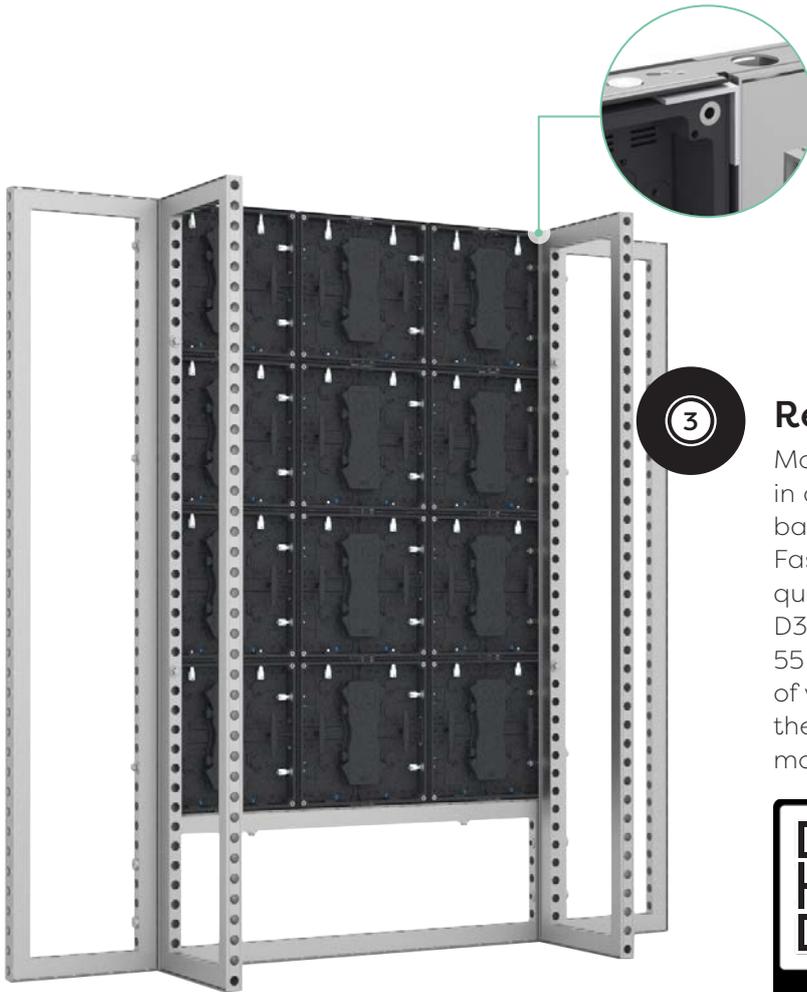
Quick tightener  
"M6\*30"



C90-corner, also  
available in black



Hi-LED 55 X spacer



3

### Rear support

Mount support frames in a 90° position to the back of the video wall. Fasten with standard quick tighteners “LS M6/ D30\*80”. Place the Hi-LED 55 X Spacers in the corners of your LED tiles to keep the support frames in our modular grid.

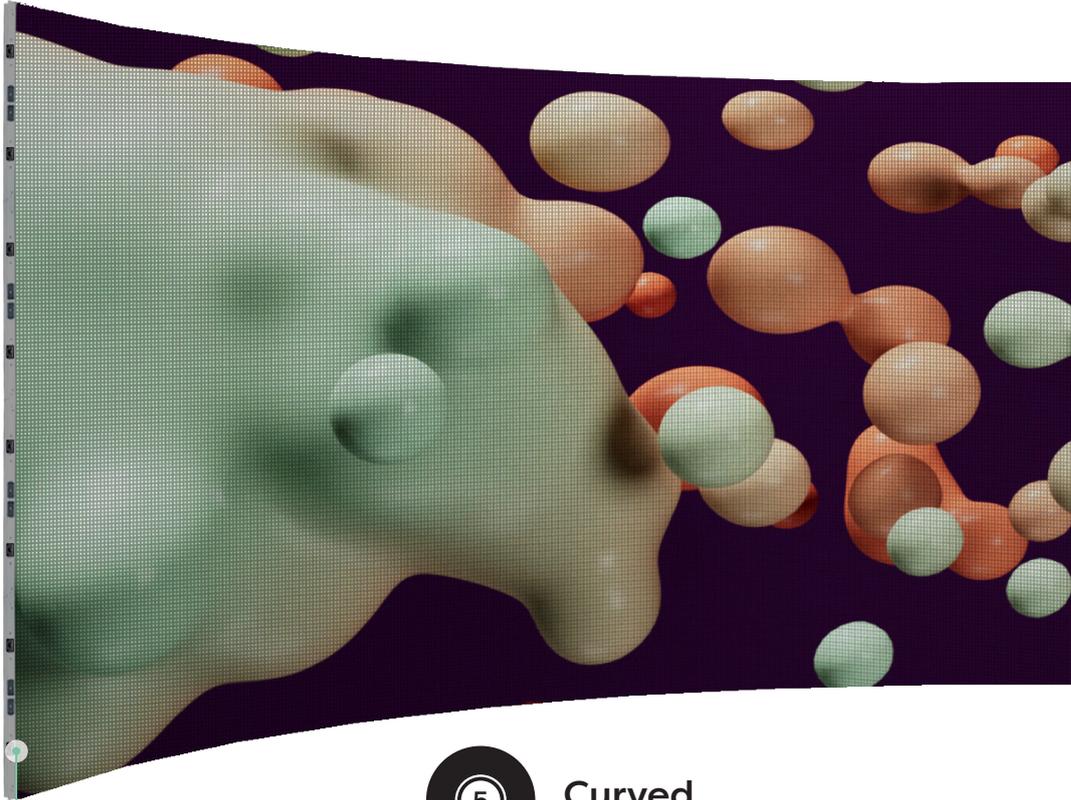


Omni-186 cover, also available in black

4

### Back-to-back

Flawless finish with Omni-186 cover or Omni-248 cover. Fasten with standard quick tighteners “M6\*30”.



## Curved

Use standard straight Hi-LED 55 tiles in combination with color-coded magnetic wedges to create a concave wall.



5°= R 5685 mm  
White wedge



7.5°= R 3792 mm  
Grey wedge



10°= R 2845 mm  
Black wedge





## Suspended

Rigging bar for suspended wall and signage constructions; fixation with standard Quick Lock system.

↙ ↗ Standard lengths: 496, 992, 1488 and 1984 mm

⚡ Magnetic connection for an easy positioning onto the hanging beam

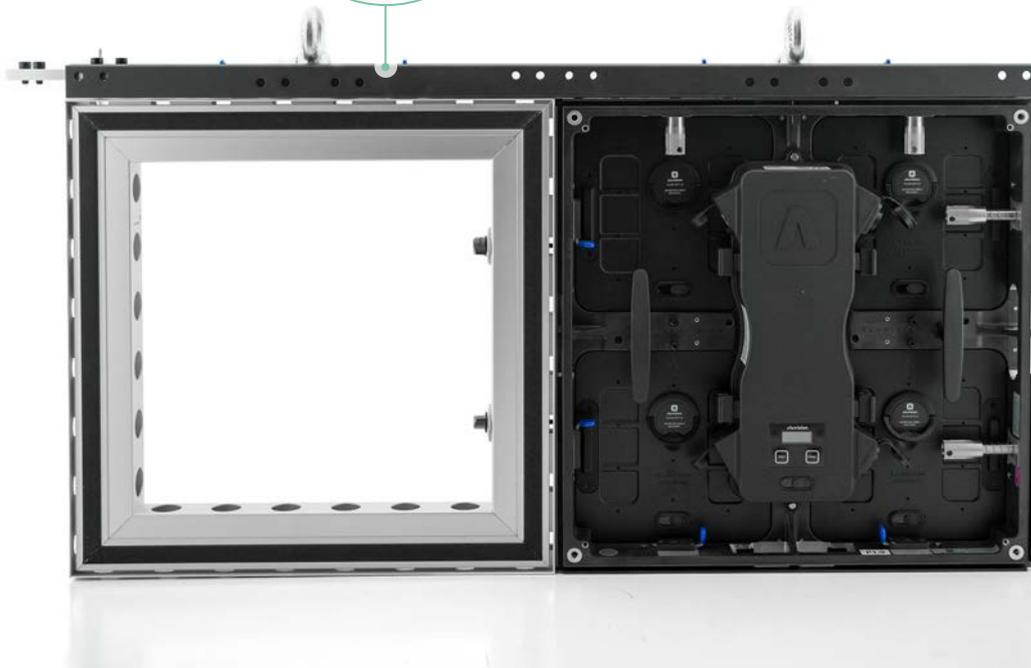


Rigging bar used for ceiling constructions (hanging + reinforcement)

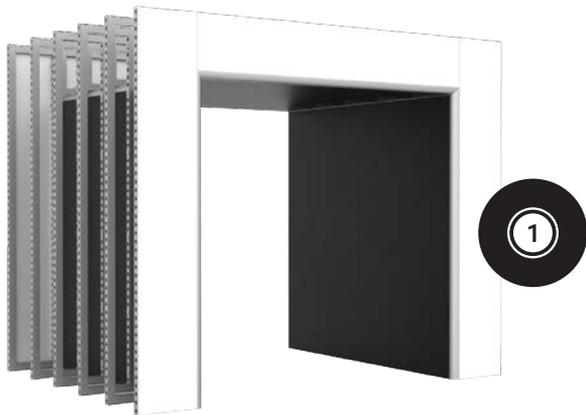


Extra opening for cable management

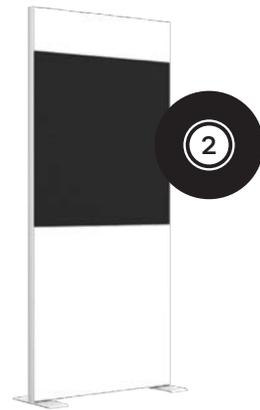
Extra opening to attach an Omni-55 frame



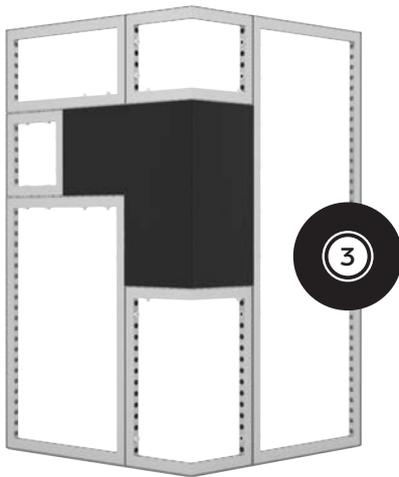
# Assembly options



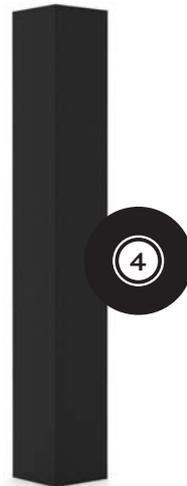
1 Tunnel configuration walls and ceiling



2 Display configuration



3 Corner



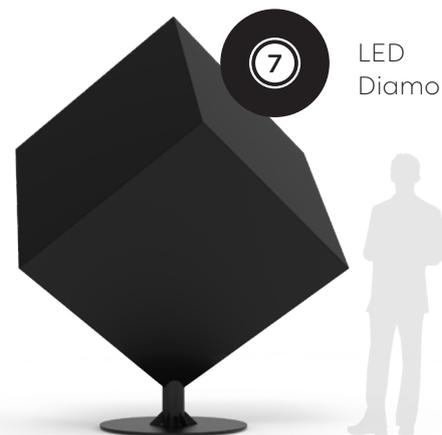
4 Column



5 Stacked cubes

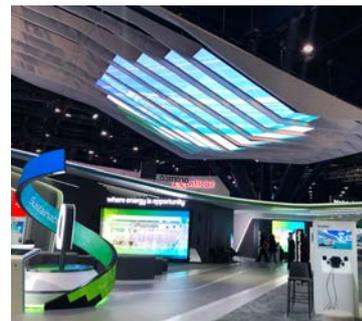
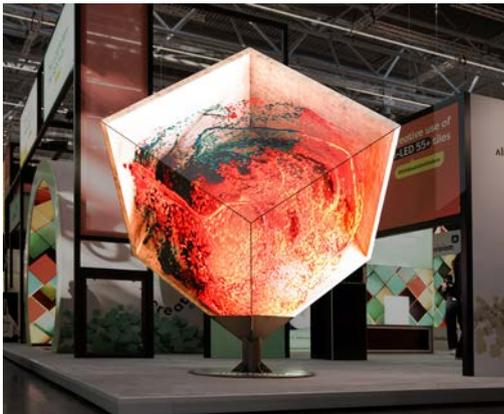


6 Immersive cube



7 LED Diamond

# Dive into a world of creativity; unveil the possibilities



# Accessories straight LED tiles



**Power cable  
(Super Flex 10 m)**  
3G2,5 mm



**Signal/data cable  
(20 m)**  
CAT5



**NOVA sending box**  
(300, 660, 660 pro or 4K)



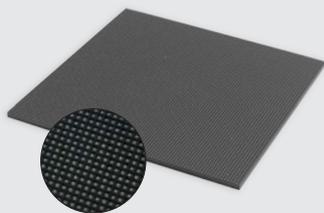
**Interlink power cable  
(Super Flex)**  
(1, 3, 6 or 10 m)



**Interlink signal cable**  
(1, 3, 6 or 10 m)



**Power box**  
(2.5: Nova A8S/A8S-N, 2.8: Nova A4S,  
1.9: Nova A10S Pro, 3.9: Nova A5S-plus)



**LED module**  
(248x248 mm)



**Click mask**  
(62x124 mm)



**Magnetic wedges**  
(5°, 7.5° or 10°, not compatible  
with batch B121, B122, B123, B124)



**Rigging bar**  
(496, 992, 1488 or 1984 mm)



**Protective cover**  
(513x513x30 mm)



**Hi-LED 55 vacuum tool**

# Technical specifications



## PIXEL PITCH

2.8: 2.82 mm  
2.5: 2.58 mm  
1.9: 1.90 mm  
3.9: 3.88 mm



## VIEWING ANGLE (H/V)

2.8: 140°/120°  
2.5: 140°/120°  
1.9: 140°/140°  
3.9: 140°/120°



## VIEWING DISTANCE

2.8: ≥ 2,8 m  
2.5: ≥ 2,5 m  
1.9: ≥ 1.9 m  
3.9: ≥ 3.9 m



## HI-LED TILE DIMENSIONS

2.8: 496x496x55 mm  
2.5: 496x496x55 mm  
1.9: 496x496x55 mm  
3.9: 496x496x62 mm



## USAGE

2.8: indoor  
2.5: indoor  
1.9: indoor  
3.9: indoor/outdoor



## SCREEN RESOLUTION

2.8: 176x176 px  
2.5: 192x192 px  
1.9: 256x256 px  
3.9: 128x128 px



## CABINET WEIGHT

2.8: 9,0 kg  
2.5: 9,5 kg  
1.9: 9,5 kg  
3.9: 9,1 kg



## CERTIFICATION

CE/TUV/EMC/LVD/  
RoHS/ETL/FCC/  
Static Calculation



## SENDING BOX (\*)

Nova 300, 660,  
660 pro, Nova  
4K



## POWER BOX

2.8: Nova A4S  
2.5: Nova A8S/A85-N  
1.9: Nova A10S Pro  
3.9: Nova A5S-plus



## OPERATING SYSTEM

Windows



## REFRESH RATE

2.8: 3840 Hz  
2.5: 3840 Hz  
1.9: 7680 Hz  
3.9: 3840 Hz



## GRAYSACLE

2.8: 14 bits  
2.5: 14 bits  
1.9: 16 bits  
3.9: 16 bits



## CONTRAST RATIO

2.8: 5000:1  
2.5: 7000:1  
1.9: 6000:1  
3.9: 3500:1



## BRIGHTNESS

2.8: 1000 nits  
2.5: 1000 nits  
1.9: 1000 nits  
3.9: 4500 nits



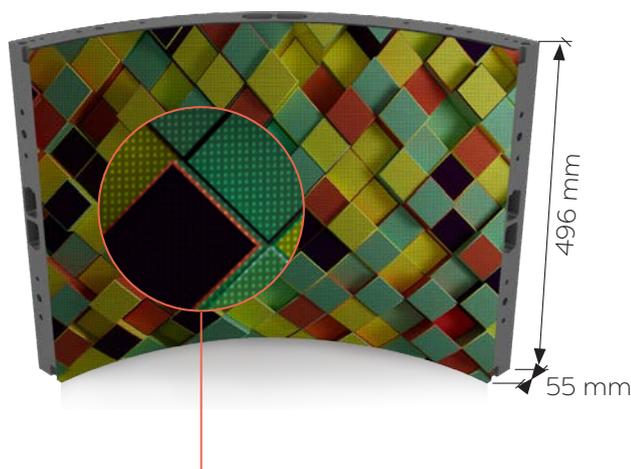
## CONSUMPTION

2.8: 145/49 W/tile  
2.5: 150/50 W/tile  
1.9: 120/40 W/tile  
3.9: 130/43 W/tile  
(max/average)

(\*) Nova 300 has 2 data ports. Nova 660 has 4 data ports and allows easy adjustment of most basic functions. Nova 660 pro has 6 data ports and is advised for rental use. Nova 4K has 16 data ports.

# Curved grace, LED's embrace

Be ahead of the curve with the Hi-LED 55 convex and concave tiles. Available in three different radii, these curved tiles can give your design a new twist.

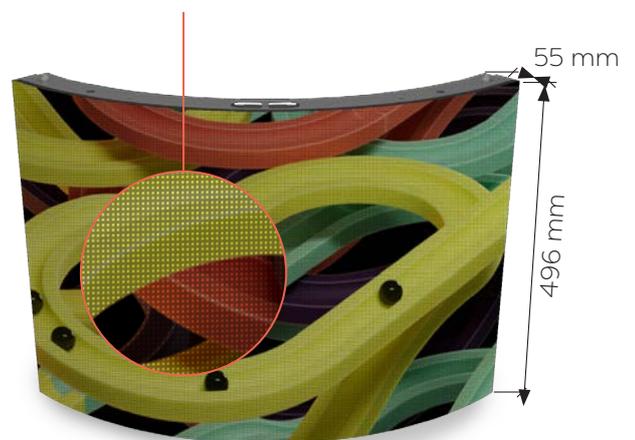


## Hi-LED R437 convex

- ✓ ¼ circle segment
- ✓ Pixel pitch: 2.8 and 2.5 mm
- ✓ Matches a standard Omni-55 A3 R437 frame v2

## Hi-LED R437 concave

- ✓ ¼ circle segment
- ✓ Pixel pitch: 2.8 and 2.5 mm
- ✓ Matches a standard Omni-55 A3 R437 frame v2



## Discover the unique dimensions of our curved LED tiles



### Hi-LED R1476 concave

- ✓ ½ circle segment
- ✓ Pixel pitch: 2.8 and 2.5 mm
- ✓ Matches a standard Omni-55 A3 R1476 frame v2



### Hi-LED R1421 convex

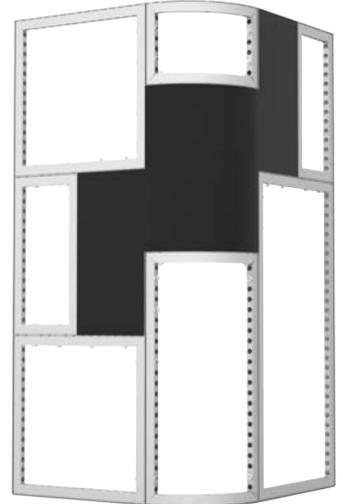
- ✓ ½ circle segment
- ✓ Pixel pitch: 2.8 and 2.5 mm
- ✓ Matches a standard Omni-55 A3 R1421 frame

# Assembly options



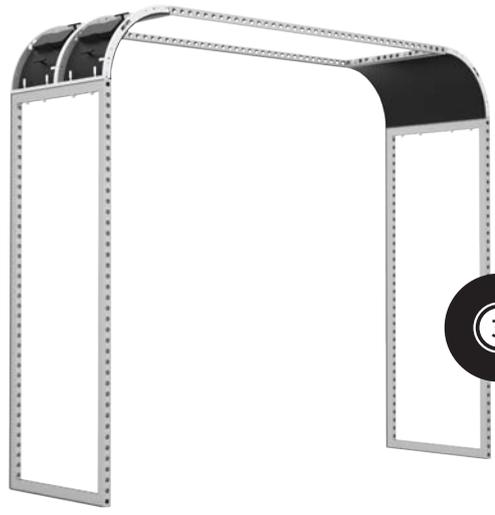
1

Tunnel configuration walls & ceiling



2

Curved frame convex  
Create convex or concave curved walls with the Hi-LED R437 tiles



3

Curved frame concave



Hi-LED R1476 concave



Hi-LED 55



Hi-LED R437 convex

Hi-LED 55+

# Decorative finishing options



Omni-55 cover, also available in black



curved

or



flat

or



LED



Cover the back with panel (convex) or with panel and SEG fabric (concave)

# Secure transportation



Stackable flight case for 5 R437 concave/convex LED tiles

↗ Size: 1178x769x753 mm (LxWxH)

📏 Gross weight 2.5 mm: 132 kg  
Net weight: 56 kg



Stackable flight case for 7 R1476 concave or 7 R1421 convex LED tiles

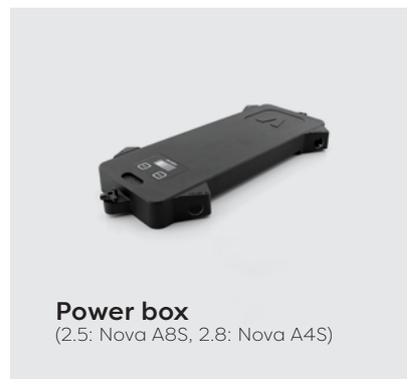
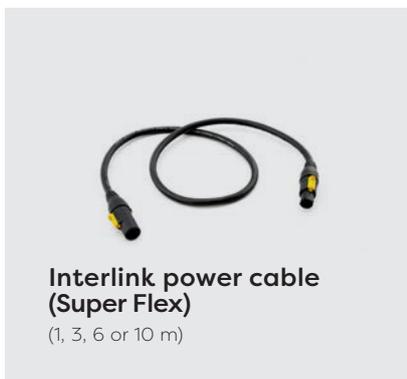
↗ Size: 1178x873x753 mm (LxWxH)

📏 Gross weight 2.5 mm: 165 kg  
Net weight: 67 kg



Protective cover included with every LED tile

# Accessories curved LED tiles



# Technical specifications

## R437 concave (CC) R437 convex (CV)



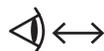
### PIXEL PITCH

2.82 mm  
2.58 mm



### VIEWING ANGLE (H/V)

120°/120°



### VIEWING DISTANCE

2.8: ≥ 2,8 m  
2.5: ≥ 2,5 m



### Hi-LED TILE DIMENSIONS

CC: 689x496x55 mm  
CV: 772x496x55 mm



### PIXEL DENSITY

2.8 CC: 125 661 px/m<sup>2</sup>  
2.8 CV: 125 940 px/m<sup>2</sup>  
2.5 CC: 149 445 px/m<sup>2</sup>  
2.5 CV: 150 426 px/m<sup>2</sup>



### SCREEN RESOLUTION

2.8 CC: 244x176 px  
2.8 CV: 274x176 px  
2.5 CC: 266x192 px  
2.5 CV: 300x192 px



### CABINET WEIGHT

14 kg



### CERTIFICATION

CE/TUV/EMC/LVD/  
RoHS/ETL/FCC



### SENDING BOX (\*)

Nova 300, 660,  
660 pro, 4K



### POWER BOX

2.8: Nova A4S  
2.5: Nova A8S



### OPERATING SYSTEM

Windows 2000/  
XP/Vista/10



### REFRESH RATE

3840 Hz



### GRAYSCALE

14 Bit



### CONTRAST RATIO

2.8: 5000:1  
2.5: 6000:1



### BRIGHTNESS

1000 nits



### CONSUMPTION

2.8 CC: 181/61 W/tile  
2.8 CV: 203/68 W/tile  
2.5 CC: 209/70 W/tile  
2.5 CV: 243/78 W/tile  
(max/average)

(\*) Nova 300 has 2 data ports. Nova 660 has 4 data ports and allows easy adjustment of most basic functions.

## R1476 concave (CC) R1421 convex (CV)



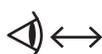
### PIXEL PITCH

2.8: 2.82 mm  
2.5: 2.58 mm



### VIEWING ANGLE (H/V)

140°/120°



### VIEWING DISTANCE

2.8: ≥ 2,8 m  
2.5: ≥ 2,5 m



### Hi-LED TILE DIMENSIONS

772x496x55 mm



### PIXEL DENSITY

2.8: 125910 px/m<sup>2</sup>  
2.5: 149844 px/m<sup>2</sup>



### SCREEN RESOLUTION

2.8: 274x176 px  
2.5: 300x192 px



### CABINET WEIGHT

14 kg



### CERTIFICATION

CE/TUV/EMC/LVD/  
RoHS/ETL/FCC



### SENDING BOX (\*)

Nova 300, 660,  
660 pro, 4K



### POWER BOX

2.8: Nova A4S  
2.5: Nova ABS



### OPERATING SYSTEM

Windows 2000/  
XP/Vista/10



### REFRESH RATE

3840 Hz



### GRAYSCALE

14 Bit



### CONTRAST RATIO

2.8: 5000:1  
2.5: 6000:1



### BRIGHTNESS

1000 nits



### CONSUMPTION

2.8: 203/68 W/tile  
2.5: 243/78 W/tile  
(max/average)

(\*) Nova 300 has 2 data ports. Nova 660 has 4 data ports and allows easy adjustment of most basic functions. Nova 660 pro has 6 data ports and is advised for rental use. Nova 4K has 16 data ports.

# Contact

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