Hi-LED 55

Seamless, modular LED video walls

Aluvision

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

As innovative developer & worldwide supplier of high quality modular systems for indoor & outdoor environments, Aluvision combines bold imagination with unmatched engineering and manufacturing expertise. The Aluvision frame system offers solutions for straight and curved walls, LED videowalls, hanging signs, light walls, displays & 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 Vancoillie and Dirk Deleu. Aluvision tells a story of ambition, challenge and growth. We dare to dream, but at the same time we like a 'no-nonsense' approach.

Founded in Belgium in 2003, Aluvision currently employs over 120 people and services more than 3,000 partners worldwide. The company has large production facilities and inspiring showrooms in Deinze (BE) and Atlanta (USA).

Original manufacturer of the Aluvision system.

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 19.53"x19.53" x2.17" (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 and 2.5 pixel pitch, CrystalView technology & premium level flatness.

Why choose Hi-LED 55?

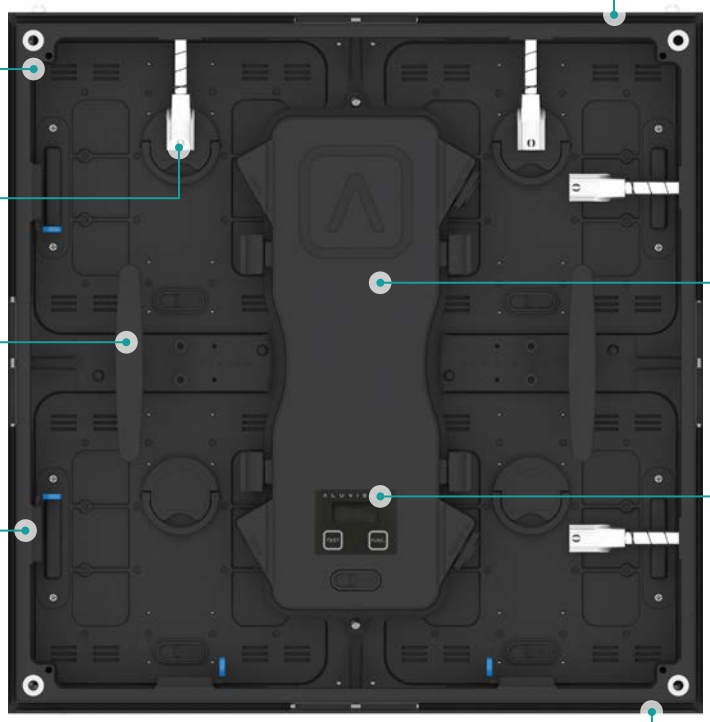
- Straight & curved LED tiles for walls, ceilings and floors
- Advanced all-in-one design
- Quick, easy and toolless installation
- Full front & rear maintenance (both LED modules and power box)
- Raised flooring system
- One tile, endless solutions: Hi-LED 55+
- Specially developed flight cases for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

Straight tiles

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.

Unique dimensions: 19.53”x19.53”x2.17”

Advanced all-in-one design



Cast aluminum cabinet frame

Quick Lock system for toolless connection

Easy Grip handles allow ergonomic one-person setup

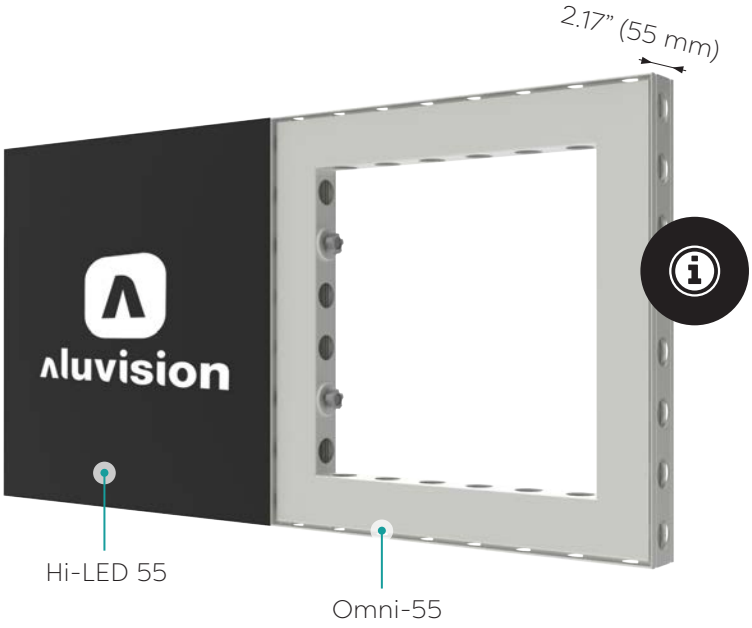
Slot for SEG fabric to cover the back with fabric infill

Magnetic alignment and positioning pins guarantee precise mounting

Toolless inter-changeable cast aluminum power box

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

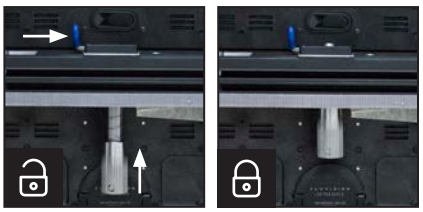
Edge protection prevents direct contact with the ground



Flush integration with the original Aluvision frame system

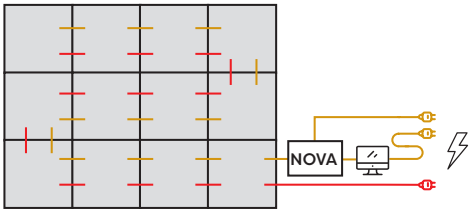
Quick and easy installation

1. Magnetic alignment & 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

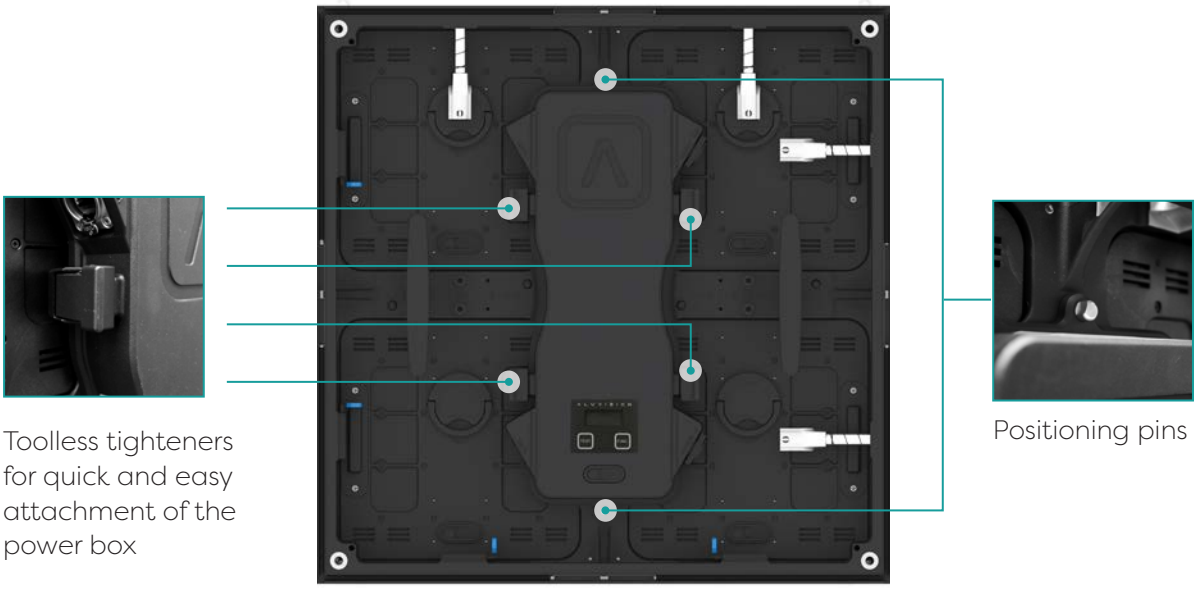
- **Signal/data cable:** connect up to 20 cabinets (2.8) / 17 cabinets (2.5) by using 1 data cable
- **Power cable:** connect up to 9 cabinets (pixel pitch 2.8- 110V) or 8 cabinets (pixel pitch 2.5 - 110V) by using 1 cable
- Both cables are **outdoor-ready**

Magnetic alignment

Positioning pin

Full front and rear maintenance

Front and rear access to interchangeable power box and LED modules

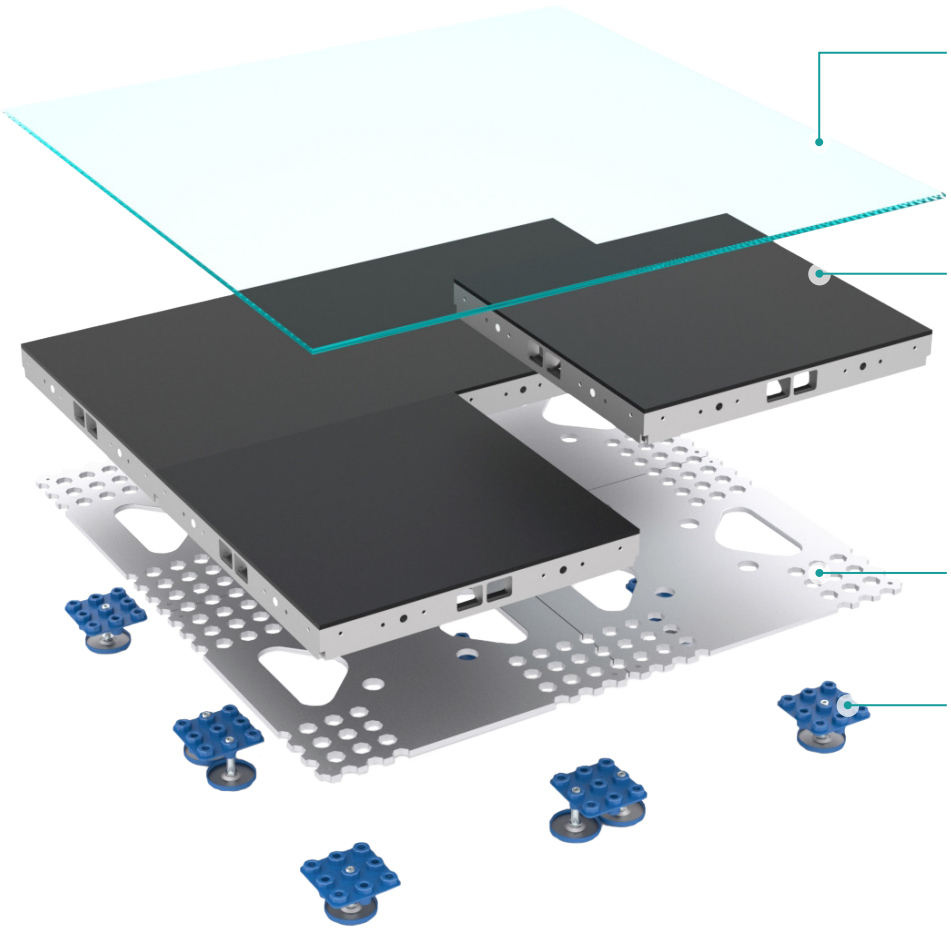


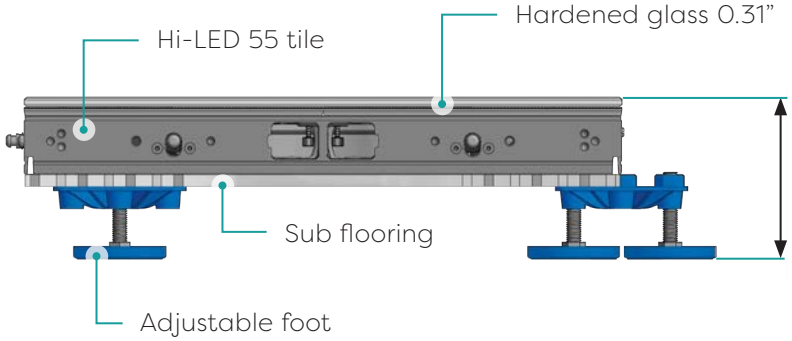
Toolless tighteners for quick and easy attachment of the power box

Positioning pins

Raised flooring system

Hi-LED 55 for floors





One tile, endless solutions

DESIGN AWARD 2020

Award-winning Hi-LED 55+

- Pitch 2.8 or 2.5 mm
- All modules have 4 chamfered sides
- Modules are compatible with Hi-LED 55
- Patented

Transform the most versatile LED tile into 5 different configurations

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 & 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

Let's create waves, curved walls, or any curved construction. Just go wild!

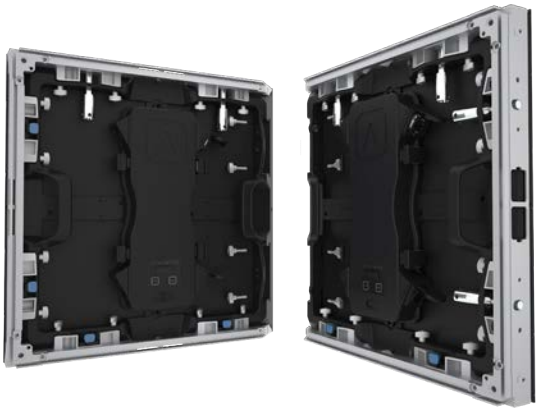
A quick how to ...

1 Remove

Disconnect one side of the aluminum cast of each tile.

2 Choose

Corners or curves? Add a 90° connector piece to one of the tiles to create a perfect corner or add a connector piece of -5° or -7.5° to create convex walls.



3 Connect

It's easy as 1-2-3. A quick, easy and toolless installation.

4 Impress

A seamless 90° corner to create a new and powerful visual experience.

Secure transportation

Stackable flight case for
10 LED tiles & accessories

Save space and effort with
practical tipping wheels

Size: 46.89”x23.03”x30.03”
(LxWxH)

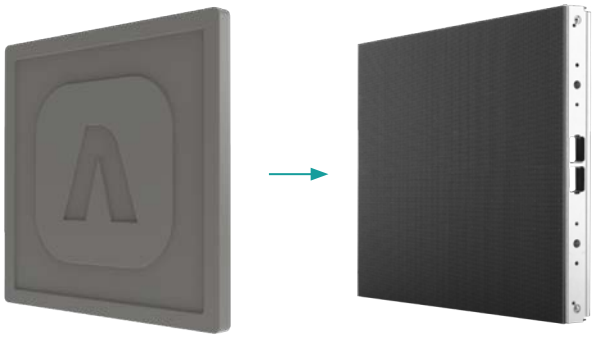
Gross weight 2.8: 337.31 lb
Gross weight 2.5: 365.53 lb
Net weight: 121.25 lb

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

Size: 23.62”x15.75”x12.60”
(LxWxH)

Net weight: 9.55 lb

Protective cover
included with every
LED tile

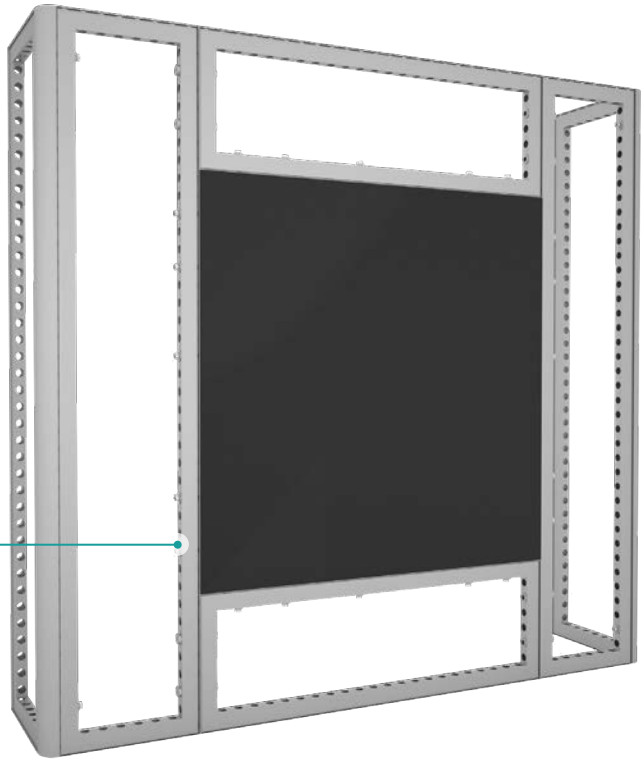


Endless options for assembly

1 In line

Flush integration of the video wall. Fasten with standard quick tighteners LS M6/ D1.18”*3.15”

*Quick tightener LS M6/D1.18”*3.15”*

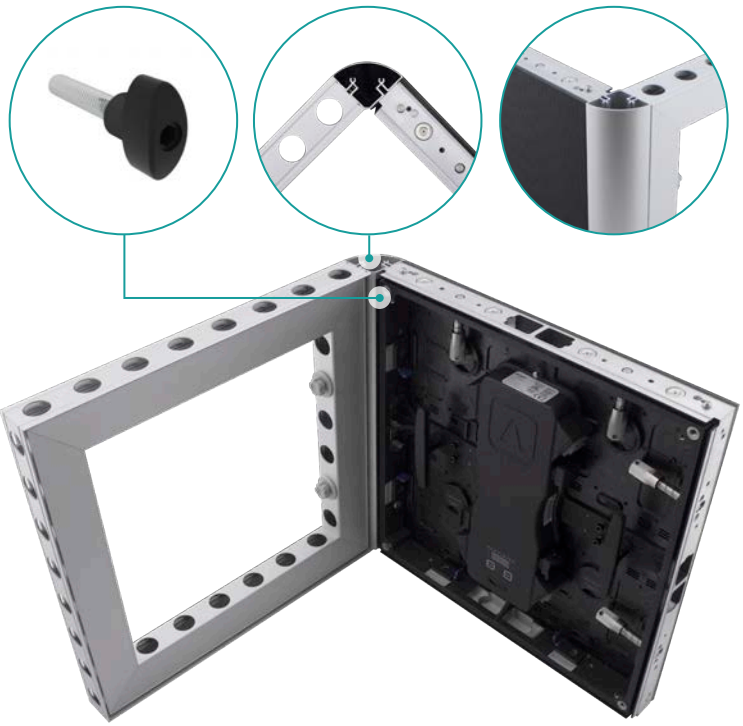


2 Corner

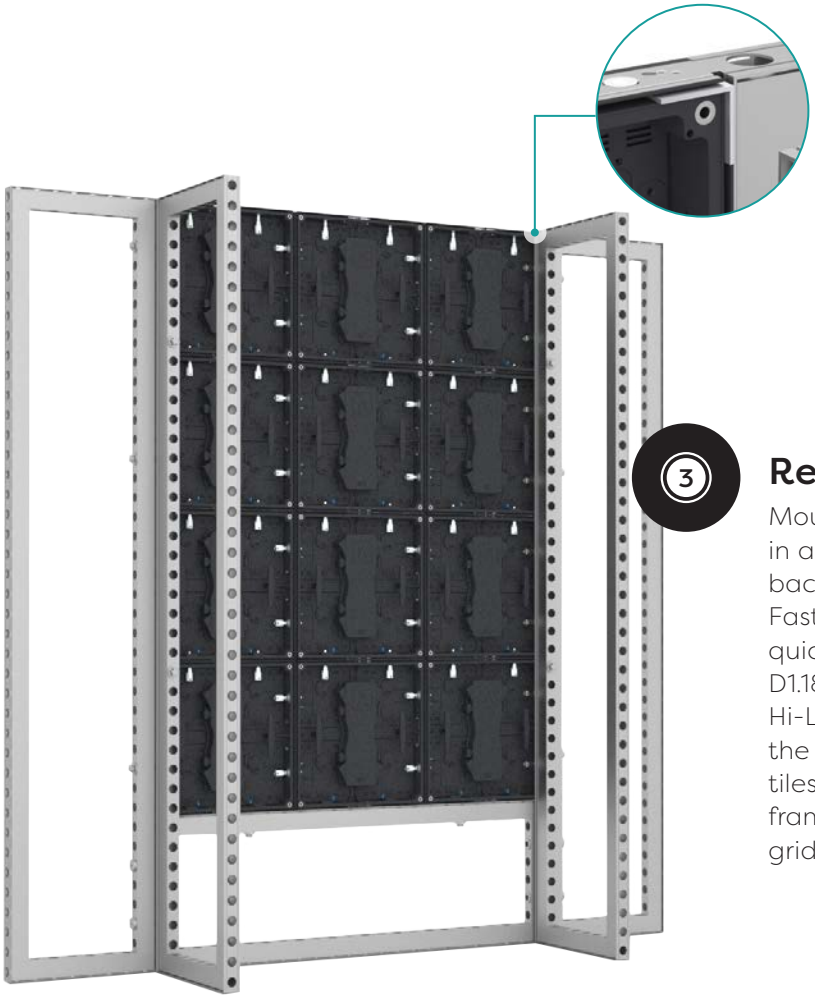
Compatible with all Aluvision corner profiles. Fasten with standard quick tighteners M6*1.18”.

*Quick tightener M6*1.18”.*

C90-corner, also available in black



Hi-LED 55 X spacer

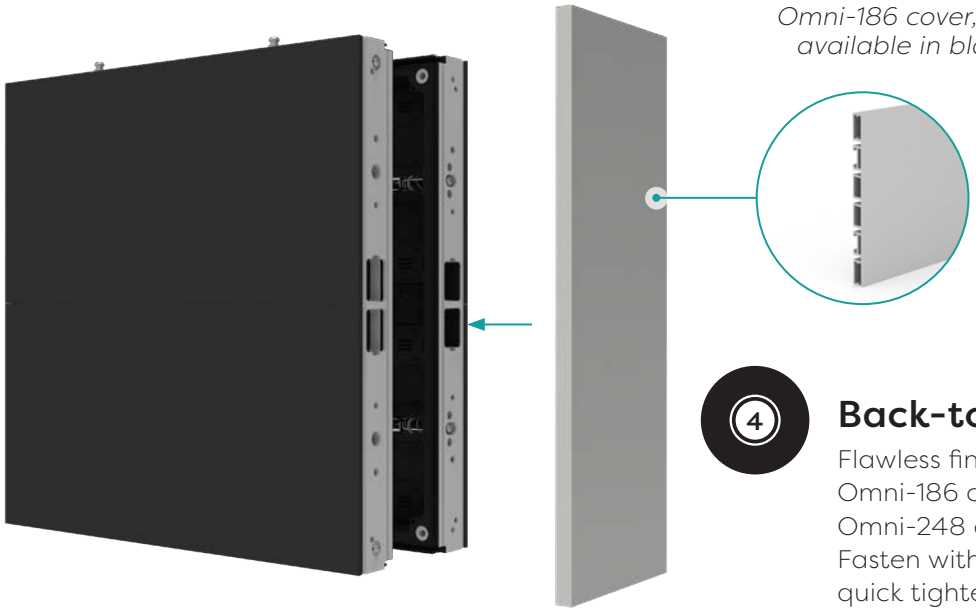


3

Rear support

Mount support frames in a 90° position to the back of the video wall. Fasten with standard quick tighteners LS M6/ D1.18”*3.15”. Place the Hi-LED 55 X Spacers in the corners of your LED tiles to keep the support frames in our modular grid.

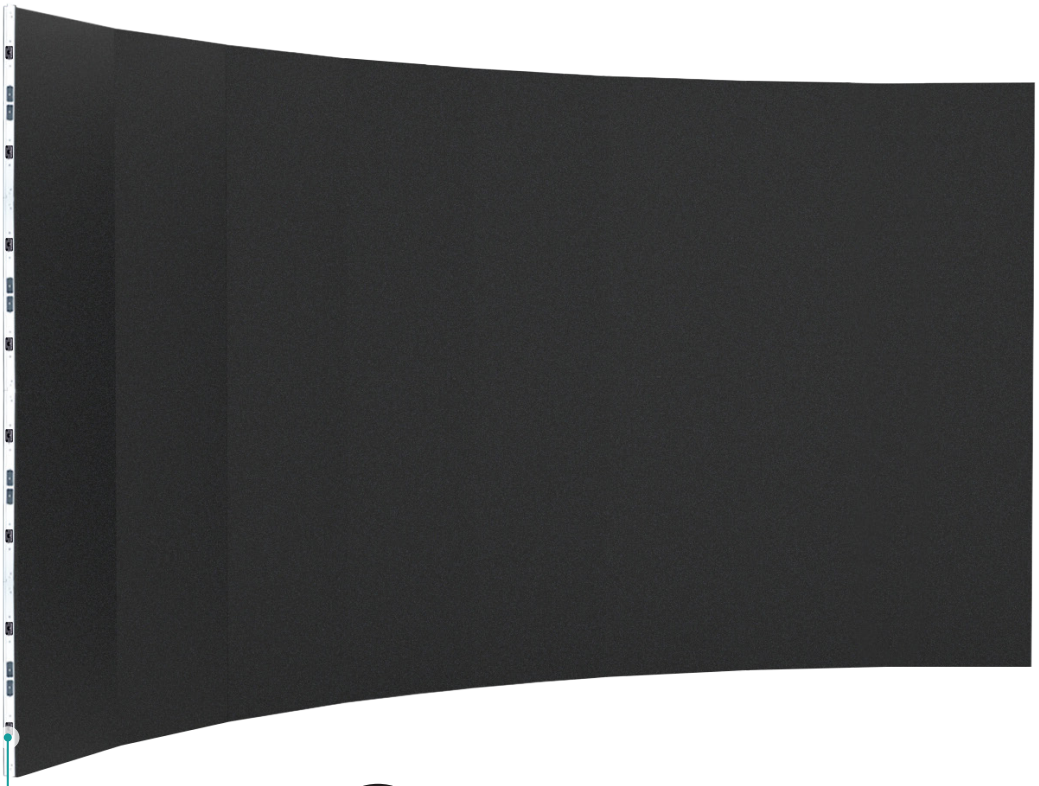
Omni-186 cover, also available in black



4

Back-to-back

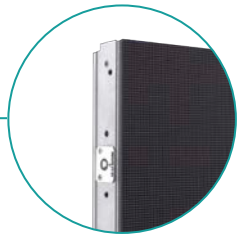
Flawless finish with Omni-186 cover or Omni-248 cover. Fasten with standard quick tighteners M6*1.18”.



5

Curved

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



5°= R 18.6'
White wedge

7.5°= R 12.4'
Grey wedge

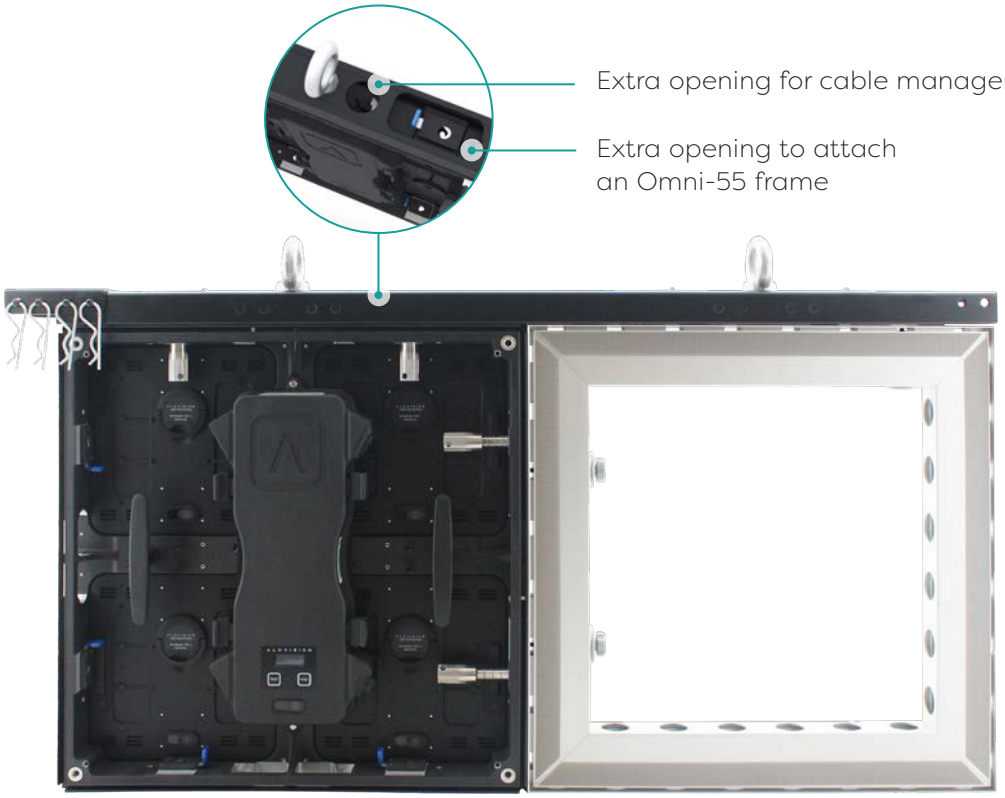
10°= R 9.3'
Black wedge

6 Suspended

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

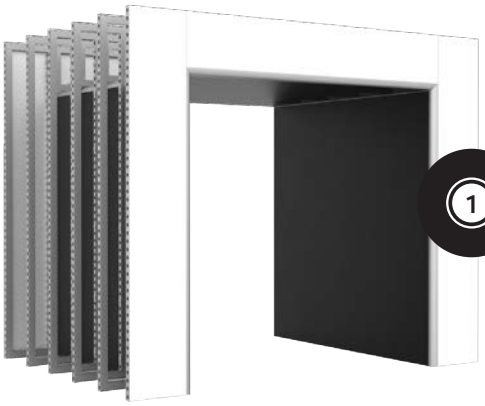
Standard lengths: 19.53”, 39.05”, 58.58” and 78.11”

Magnetic connection for an easy positioning onto the hanging beam



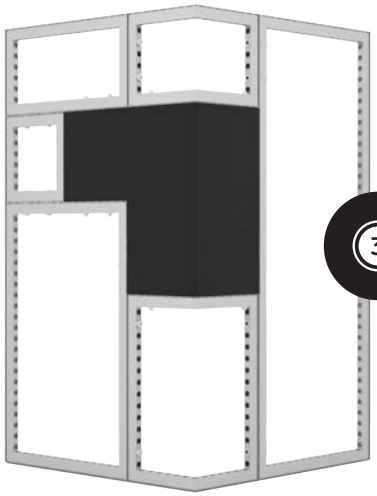
Hanging beam used for ceiling constructions (hanging + reinforcement)

Assembly options examples



1 Tunnel configuration walls & ceiling

2 Column

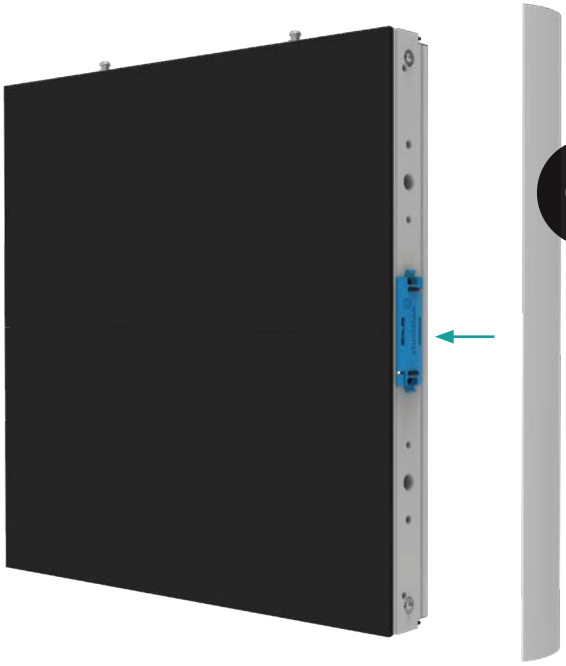


3 Corner

4 Display configuration

5 Immersive cube

Decorative finishing options



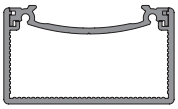
Omni-55 cover, also available in black

curved

or

flat

or



LED

Cover the back with SEG fabric

Hi-LED 55 accessories straight tiles

Power cable (Super Flex 32')
9 tiles/cable max (2.8 – 110V)
8 tiles/cable max (2.5 – 110V)

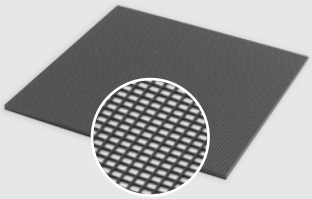
Signal/data cable (65')
20 tiles/cable max (2.8)
17 tiles/cable max (2.5)

NOVA sending box
(300, 660 or 660 pro)

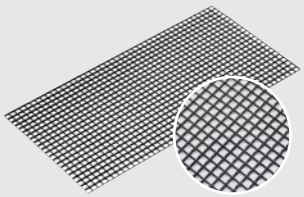
Interlink power cable (Super Flex 39")
(39.37", 118.11", 236.22" or 393.70")

Interlink signal cable (39")
(39.37", 118.11", 236.22" or 393.70")

Power box
(2.8: Nova A4S, 2.5: Nova A8S)



LED module
(9.76"x9.76")



Click mask
(2.44"x4.88")

Magnetic wedges
(5°, 7.5° or 10°)

Rigging bar
(19.53", 39.05", 58.58" or 78.11")

Protective cover
(20.20"x20.20"x1.18")

Hi-LED 55 vacuum tool

Technical specifications straight tiles

PIXEL PITCH
2.82 mm
2.58 mm

VIEWING ANGLE
140°/120°
(H/V)

VIEWING DISTANCE
2.8: ≥ 9.18’
2.5: ≥ 8.20’

SCREEN DIMENSIONS
19.53”x19.53”

PIXEL DENSITY
2.8: 11,697 px/ft²
2.5: 13,920 px/ft²

SCREEN RESOLUTION
2.8: 176x176 px
2.5: 192x192 px

CABINET WEIGHT
2.8: 19.84 lb
2.5: 22.05 lb

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

SENDING BOX (*)
Nova 300, 660,
660 pro

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: 7000:1

BRIGHTNESS
1000 nits

CONSUMPTION
2.8: 145/49 W/tile
2.5: 150/50 W/tile
(max/average)

(*) Max amount of tiles to be connected to one sending box: Nova 300 has 2 data ports, controls up to 40 tiles (2.8); 34 tiles (2.5). Nova 660 has 4 data ports, controls up to 72 tiles (2.8); 60 tiles (2.5) and allows easy adjustment of most basic functions. Nova 660 pro has 6 data ports, controls up 72 tiles (2.8); 60 tiles (2.5). Nova 660 is advised for rental use.

Curved tiles

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.

1

Hi-LED R1.4' concave

- ¼ circle segment
- Pitch 2.8 or 2.5 mm
- Matches a standard Omni-55 A3 R1.4' frame v2

2

Hi-LED R1.4' convex
- ¼ circle segment
- Pitch 2.8 or 2.5 mm
- Matches a standard Omni-55 R1.4' frame v2

3

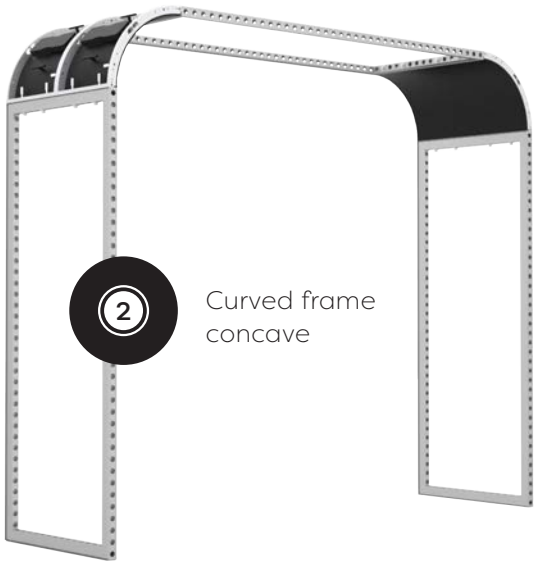
Hi-LED R4.8' concave
- 1/12 circle segment
- Pitch 2.8 or 2.5 mm
- Matches a standard Omni-55 A3 R4.8' frame

4

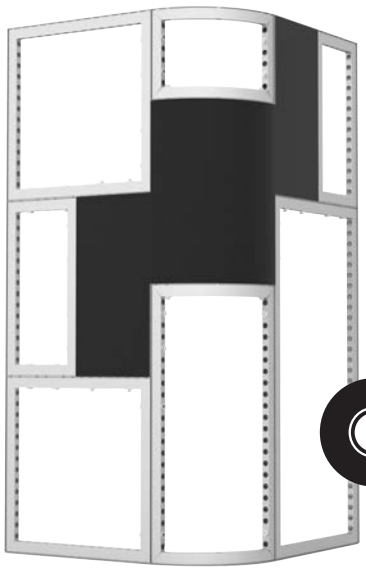
Hi-LED R4.6' convex
- 1/12 circle segment
- Pitch 2.8 or 2.5 mm
- Matches a standard Omni-55 A3 R4.6' frame

Assembly options examples

1 Tunnel configuration
walls & ceiling

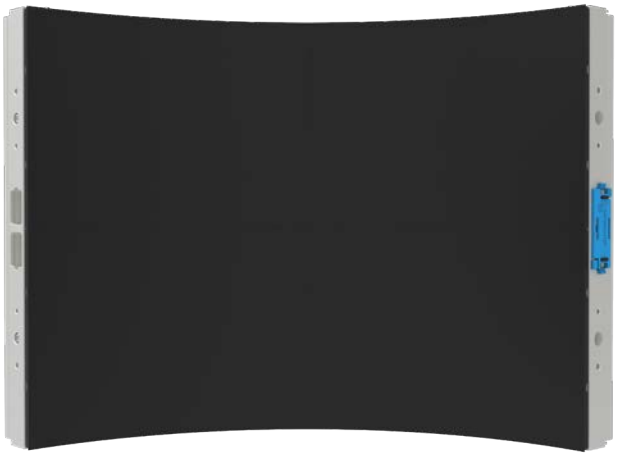


2 Curved frame
concave



3 Curved frame convex
Create convex or concave curved
walls with the Hi-LED R1.4’ tiles

Decorative finishing options



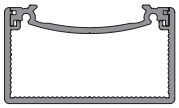
Omni-55 cover, also available in black

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 R1.4’ concave/convex LED tiles

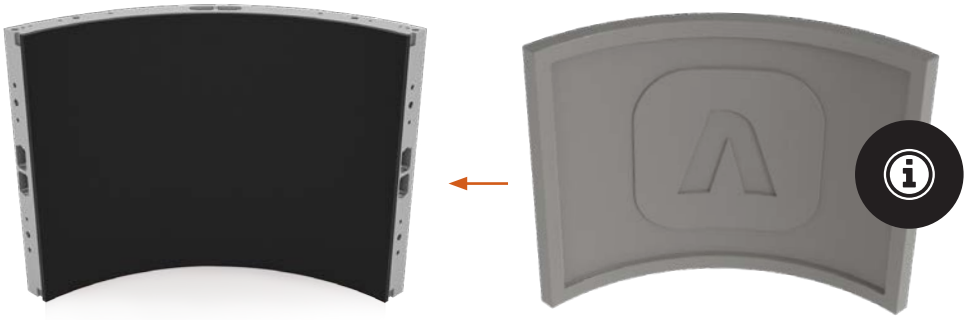
Size: 46.378”x30.275”x29.645” (LxWxH)

Gross weight 2.5 mm: 290.4 lbs
Net weight: 123.2 lbs

Stackable flight case for 7 R4.8’ concave or 7 R4.6’ convex LED tiles

Size: 46.378”x34.37”x29.645” (LxWxH)

Gross weight 2.5 mm: 364 lbs
Net weight: 147.4 lbs



Protective cover included with every LED tile

Hi-LED 55 accessories curved tiles

Power cable (Super Flex 32')
2.8 curved tiles 110V max 6 tiles/cable
2.5 curved tiles 110V max 5 tiles/cable

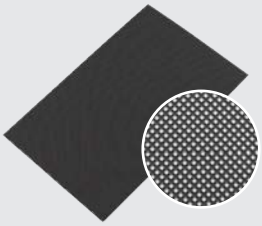
Signal/data cable (65')
2.8: 13 tiles/cable max (R437 CC), 2.8: 15 tiles/cable max (R437 CV, R1421, R1476), 2.5: 11 tiles/cable max (R437 CC), 2.5: 12 tiles/cable max (R437 CV, R1421, R1476)

NOVA sending box
(300, 660 or 660 pro)

Interlink power cable (Super Flex)
(39.37", 118.11", 236.22" or 393.70")

Interlink signal cable
(39.37", 118.11", 236.22" or 393.70")

Power box
(2.8: Nova A4S, 2.5: Nova A8S)



LED module
(R437 CC: 13.54"x9.76"
R437 CV / R1421 / R1476: 15.20"x9.76")

Hi-LED R1.4' convex protective cover
(28.39"x6.73"x20.04")

Hi-LED R1.4' concave protective cover
(25.83"x6.26"x20.04")

Hi-LED R4.6' concave protective cover
(30.79"x3.45"x20.04")

Hi-LED R4.8' convex protective cover
(30.98"x3.19"x20.04")

Technical specifications

R1.4’ concave (CC)
R1.4’ convex (CV)

PIXEL PITCH
2.82 mm
2.58 mm

VIEWING ANGLE
2.8: 120°/120° (H/V)
2.5: 120°/120° (H/V)

VIEWING DISTANCE
2.8: ≥ 9.18’
2.5: ≥ 8.20’

SCREEN DIMENSIONS
CC: 27.13”x19.53”
CV: 30.39”x19.53”

PIXEL DENSITY
2.8: 11,697 px/ft²
2.5: 13,920 px/ft²

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

CABINET WEIGHT
30.86 lbs

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

SENDING BOX (*)
Nova 300, 660, 660 pro

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

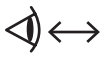
CONSUMPTION
2.8 CC: 204/68 W/tile
2.8 CV: 230/77 W/tile
2.5 CC: 211/70 W/tile
2.5 CV: 238/79 W/tile
(max/average)

(*) Max amount of tiles to be connected to one sending box: Nova 300 has 2 data ports, controls up to 30 tiles (2.8 CC); 26 tiles (2.8 CV); 24 tiles (2.5 CC); 22 tiles (2.5 CV). Nova 660 has 4 data ports, controls up to 52 tiles (2.8 CC); 44 tiles (2.8 CV); 44 tiles (2.5 CC); 36 tiles (2.5 CV) and allows easy adjustment of most basic functions. Nova 660 pro has 6 data ports, controls up to 48 tiles (2.8 CC); 42 tiles (2.8 CV); 42 tiles (2.5 CC); 36 tiles (2.5 CV). Nova 660 is advised for rental use.

R4.8’ concave (CC)
R4.6’ convex (CV)

PIXEL PITCH
2.82 mm
2.58 mm

VIEWING ANGLE
2.8: 140°/120° (H/V)
2.5: 120°/120° (H/V)



VIEWING DISTANCE
2.8: ≥ 9.18’
2.5: ≥ 8.20’

SCREEN DIMENSIONS
30.39”x19.53”

PIXEL DENSITY
2.8: 11,697 px/ft²
2.5: 13,920 px/ft²

SCREEN RESOLUTION
2.8: 274x176 px
2.5: 300x192 px

CABINET WEIGHT
30.86 lbs

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

SENDING BOX (*)
Nova 300, 660,
660 pro

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

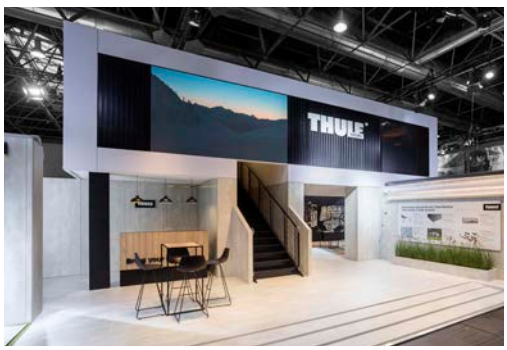
CONSUMPTION
2.8: 203/68 W/tile
2.5: 243/78 W/tile

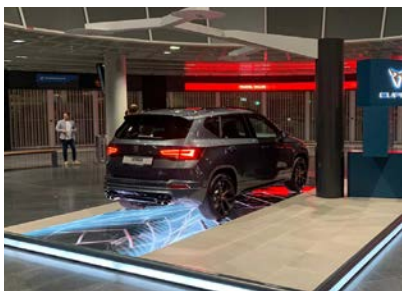
(*) Max amount of tiles to be connected to one sending box: Nova 300 has 2 data ports, controls up to 26 tiles (2.8); 22 tiles (2.5). Nova 660 has 4 data ports, controls up to 44 tiles (2.8); 36 tiles (2.5) and allows easy adjustment of most basic functions. Nova 660 pro has 6 data ports, controls up 42 tiles (2.8); 36 tiles (2.5). Nova 660 is advised for rental use.

Look book

Qualcomm

SELECSYS ADDED VALUE
•STOCK
•QUICK DELIVERY
•PART DELIVERY


THULE



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headline
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