

# AV SOLUTIONS

be anything.

EN





# LEDskin®

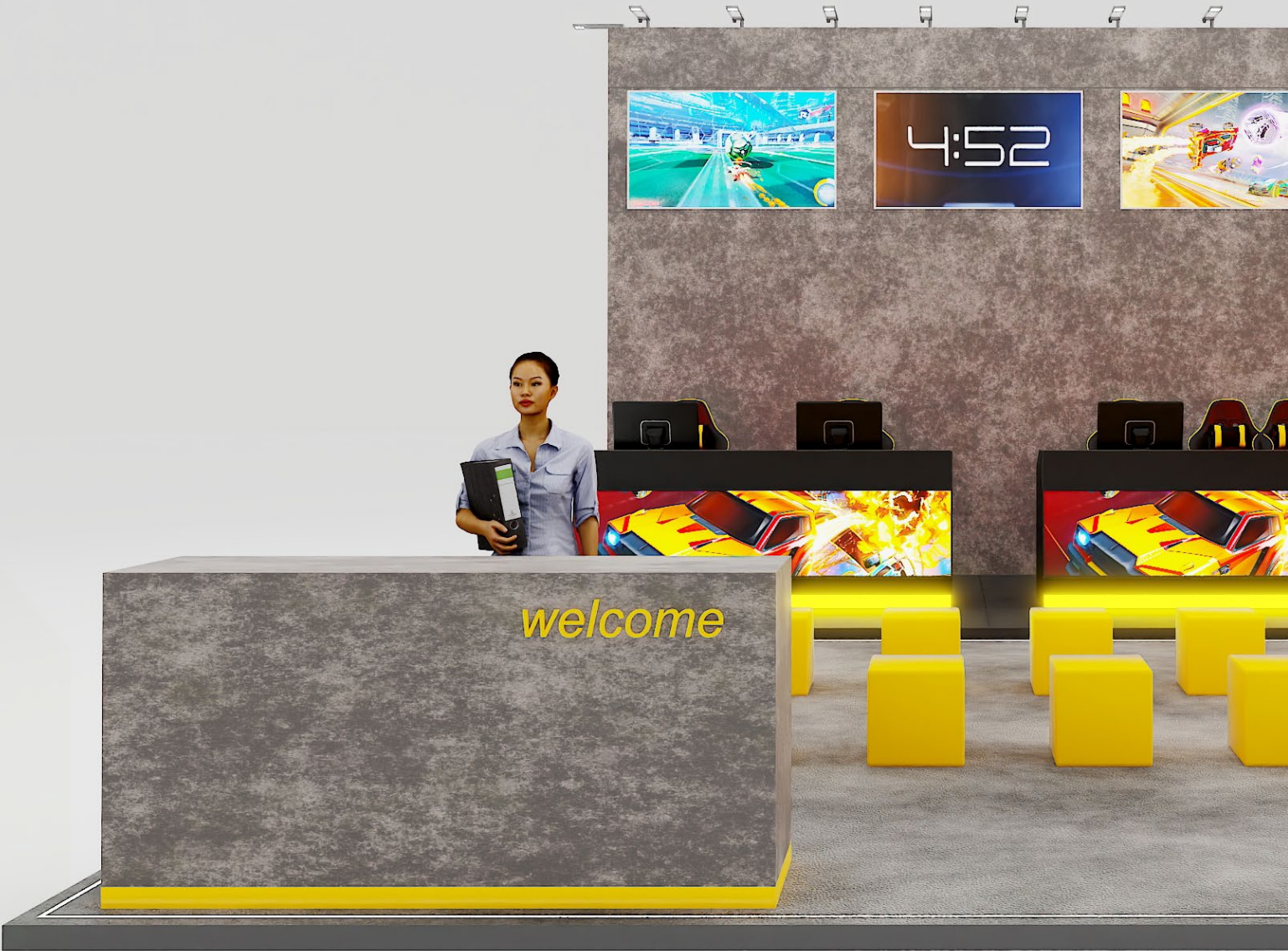
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Bring your exhibit or event to life with our AV Solutions. Discover **LEDskin®** and **beTV**, the beMatrix solutions for integrating visuals into your design. Just like our frames, they are easy to set up and are as tool-free as possible.







DESIGN  
AWARD  
2018



reddot design award  
winner 2017



reddot winner 2024

COL LEDSkin®



## Animation, motion and experiences

LEDskin® transforms your beMatrix design into a real **hotspot**, full of animation and motion, making your exhibit or event a true **experience**. With LEDskin®, you can combine LED cabinets and frames to create an impressive video wall, which can be seamlessly **integrated** into your new or existing beMatrix products. With LEDskin, you turn your design into a seamless video wall. Gone are the disruptive individual screens and lack of design freedom.



Discover the impact of LEDskin® on the beMatrix [YouTube channel](#).



© Ambion (DE)



© MagnumLive (FI)



Glue  
on edge

## LEDskin®: a perfect fit with beMatrix

Instead of using SEG textile, wood or hard panel infills to seamlessly finish your design, why not opt for a beMatrix LEDskin® video wall, when it's just as easy?

### Glue On Edge



Having glue on edge applied underneath the LEDs **reinforces the LED** so they become susceptible to physical damage. A very thin layer of glue is applied between clusters of LEDs for added strength.

### Modularity



Thanks to the beMatrix system, LEDskin panels **fit perfectly within the beMatrix concept**. Both frame and LEDskin® have a thickness of 62 mm and allow for a seamless assembly and finish.

### Attachment system

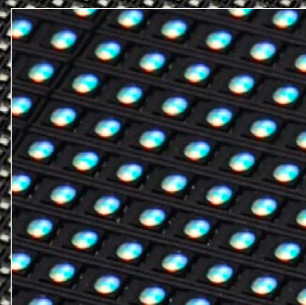


The LEDskin® frames are fixed to the beMatrix aluminum frames with the **standard M8 connector**. Ready quickly and, always firmly and securely connected.

### Pixel talk



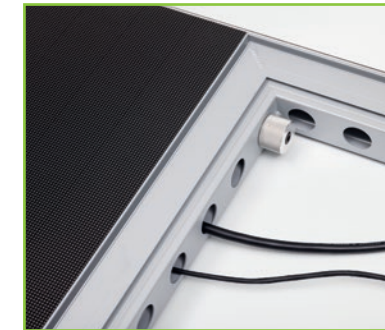
LEDskin® frames are available in 3 pixel pitches: **1.9, 2.5 and 3.1 mm**. This guarantees optimal resolution, brightness and responsiveness.



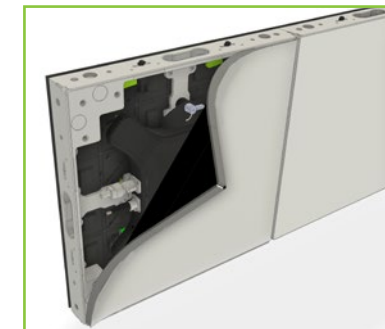




The tiles are aligned using magnets, while two manual connectors ensure a strong connection.



The holes in the beMatrix frame also serve as a cable duct and connection spot, so you no longer need to worry about unsightly cables.



LEDskin® frames can easily be finished in the back using SEG textile or hard infill panels (**patented design**).



The sides of LEDskin® can be finished with existing cover profiles.



The **GEKKO** is a specially designed tool enabling you to replace the LED modules with ease.







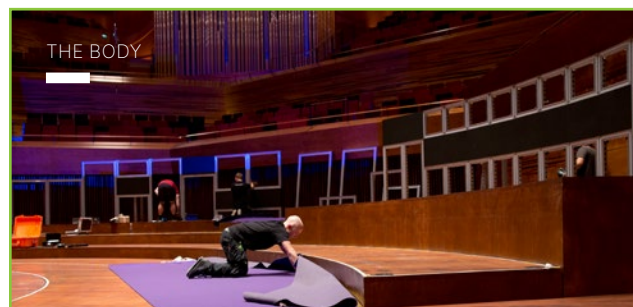
## Very user friendly

You don't need to be a wizard to use LEDskin®. Our LED wall is plug & play: **you only need to mount the tiles, plug it in and connect to your video device/computer.**

The dedicated LEDskin® Novastar platform is compatible with both Mac and PC operating systems, as well as with all popular video standards. We have 2 Novastar controllers in our product range, the basic Novastar MCTRL660 PRO (200 21 04) & the Novastar VX6S (200 21 05) which has more pixel output & more advanced features. You simply connect your device, start the video or application and the walls of your beMatrix exhibit or event instantly come to life!



© More Than Event (DK)



For optimal handling we kept all LED panels as light as possible. One individual LEDskin® tile weighs only 7.3 kg and has a handle.



Each LED tile is packed in a shock absorbing foam protector, to prevent any damage to the LEDs or LED panel during transport.



For transport and storage the LED panels are supplied in a light and handy flight case, holding 8 LEDskin® tiles (2 m²) and cables.



# Freedom of form

The creative ways in which you can use LEDskin® are almost endless. Think outside of the box, and finish your design in mosaics or rectangular shapes that fade into a dynamic edge. Moreover, thanks to LEDskin® **you don't need to shy away from corners or curves**, you can create the perfect inner or outer corner and curved shapes. LEDskin® offers you maximum freedom of design.

## inner and outer corners

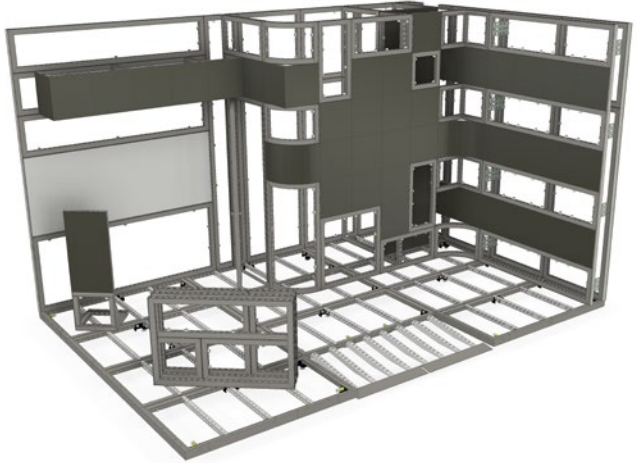
By combining the LEDskin® frames with the beMatrix corner profile, an inner corner can easily be created. beMatrix has created a molded frame, in which LED modules can be attached to create an outer corner.

## curves

With the curved LED modules and convex or concave LEDskin® frames, you can even integrate curves that perfectly fit into the aluminum frame system.



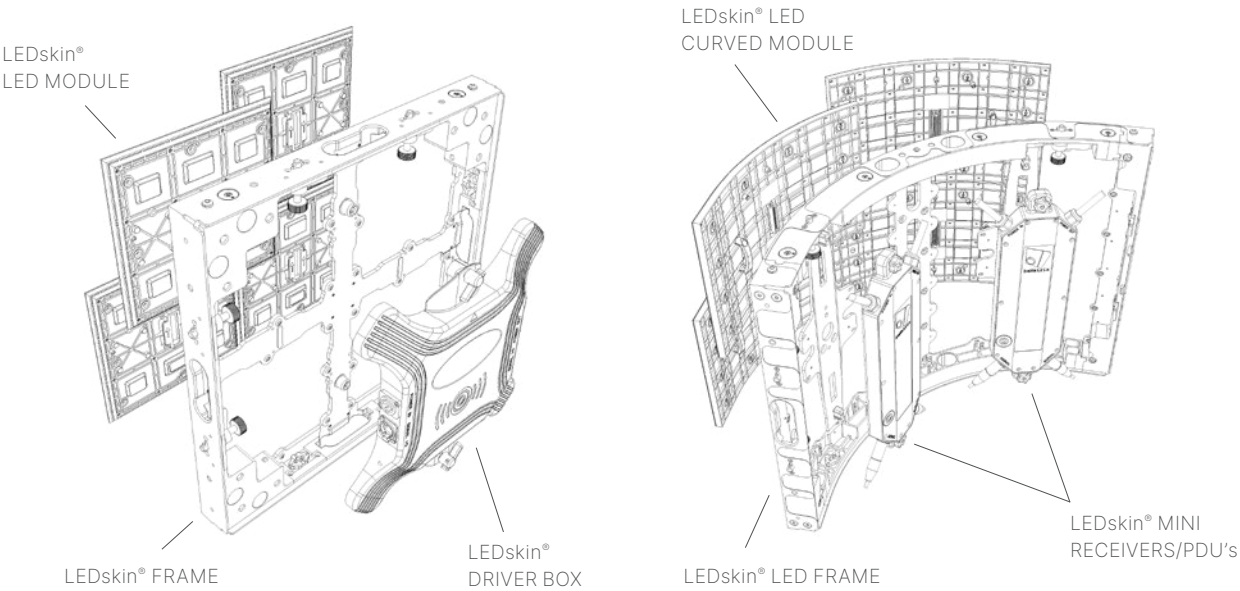
THE BODY







Technical specifications



PIXEL PITCHES	1.9 MM	2.5 MM	3.1 MM
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LEDskin® information

Straight LED frames

Number of LEDskin® modules per cabinet	4 pcs	4 pcs	4 pcs
LEDskin® module resolution	128 × 128 pixels	96 × 96 pixels	80 × 80 pixels
LEDskin® module dimensions	248 × 248 mm	248 × 248 mm	248 × 248 mm
LEDskin® cabinet resolution	256 × 256 pixels	192 × 192 pixels	160 × 160 pixels
LEDskin® cabinet dimensions	496 × 496 × 62 mm	496 × 496 × 62 mm	496 × 496 × 62 mm
Pixel density	266.389 pixels/m²	149.844 pixels/m²	104.058 pixels/m²
Cabinet weight	7,9 kg	7,3 kg	7,3 kg

Curved LED frames - concave - R430

Number of LEDskin® modules per cabinet	-	4 pcs (2 left – 2 right)	-
LEDskin® module resolution	-	138 × 96 pixels	-
LEDskin® module dimensions	-	356 × 248 mm	-
LEDskin® cabinet resolution	-	276 × 192 pixels	-
LEDskin® cabinet dimensions	-	496 × 496 × 496 mm	-
Pixel density	-	149.844 pixels/m²	-

Curved LED frames - convex - R430

Number of LEDskin® modules per cabinet	-	4 pcs (2 left – 2 right)	-
LEDskin® module resolution	-	156 × 96 pixels	-
LEDskin® module dimensions	-	402.6 × 248 mm	-
LEDskin® cabinet resolution	-	312 × 192 pixels	-
LEDskin® cabinet dimensions	-	496 × 496 × 496 mm	-
Pixel density	-	149.844 pixels/m²	-

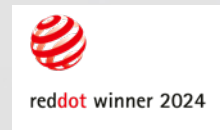
Mechanical and optical ratings

Surface flatness	Gap ≤ 0,15 mm	Gap ≤ 0,5 mm	Gap ≤ 0,5 mm
Brightness	800 nits	1.200 nits	1.200 nits
View angle	120°/120°	110°/110°	110°/110°
Optimal viewing distance	≥ 1,9 m	≥ 2,5 m	≥ 3,1 m
Brightness adjustment	0-100% 100 steps	0~100% 256 steps	0~100% 256 steps
Contrast ratio	1:2000	1:2000	1:2000
LED	SMD 1010 black	SMD 1515 matt	SMD 2121 matt

Power supply

Operation power	100-240V AC/50-60 Hz	100-240 V AC/50-60 Hz	100-240 V AC/50-60 Hz
Max. power consumption	600 W/m²	400 W/m²	600 W/m²
Average power consumption	200 W/m²	133 W/m²	200 W/m²
Platform	Novastar	Novastar	Novastar
Receiver card	A8s	A8s	MRV470
Operating life	100.000 hours	100.000 hours	100.000 hours





2betV



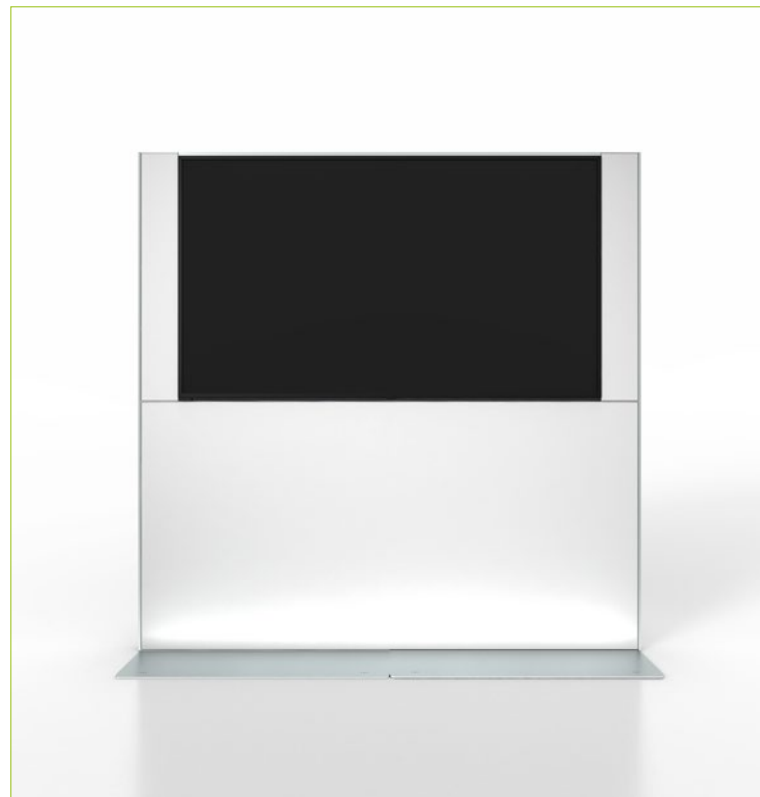
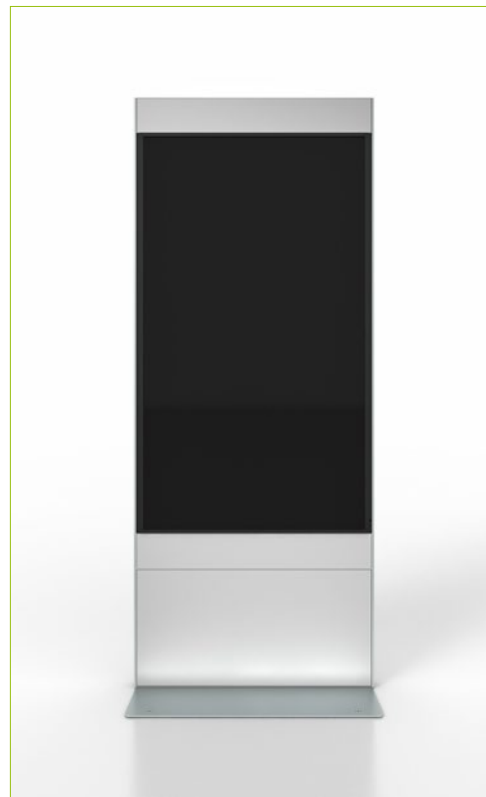
## beTV 75"

No more mounting a TV in your design using a bracket!

beTV is a professional retail 75" TV integrated with a 992 × 1984 b62 beMatrix frame. Both portrait or landscape installation are perfectly possible.

beTV works like a **b62 building block** that you place into your design or that can serve as a stand-alone item. The backside can be finished with 3 mm hard-panel infills or SEG textile.

The set is always delivered in a flightcase where you can store some additional frames and base plates.



## beTV USP's compared to consumer TV

- Landscape & portrait usage (menu and/or content rotation)
- 3y warranty
- **Brightness** (500 nit) is 2x times more a consumer TV
- Fast recovery IPS panel with **4K resolution** (3840 × 2160 pixels)
- Dustproof
- **Wide viewing angle** (no color wash)
- Embedded content player (4GB internal memory)
- Separate **dongle** as an add-on: **beTV ONE QUICK SHARE** is a wireless screen sharing solution, USB transmission unit for PC, and its app.
- Clear view panel with non-glare coating
- **Built-in Wifi** access point
- 3 HDMI inputs, 1 DVI in, DP in and out (for linking)







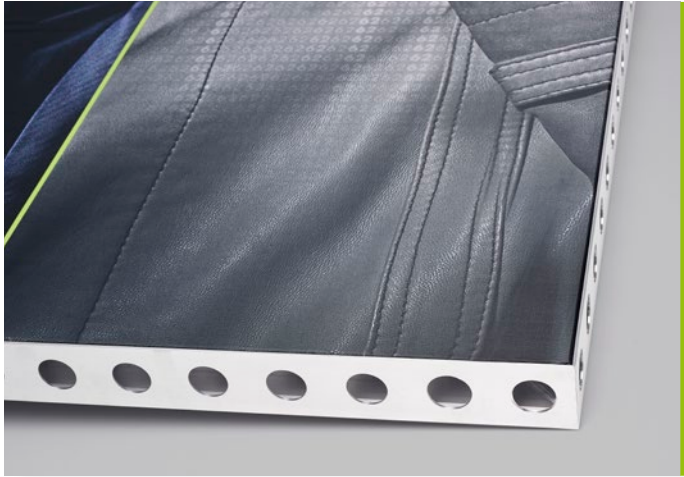


# The 8 beMatrix principles



## Quality guaranteed

All beMatrix frames are manufactured in-house, so we are in control of every step of the production process. Continuous optimization and innovation initiatives ensure the system always complies with the market's demands.



## Top finishing

The beMatrix system comes with a large range of tools and accessories to finish your exhibit or event exactly the way you want. With infills, you can even hide the entire frame system so it becomes invisible to the eye. Thanks to our 'seamless' concept, not one seam will be noticeable.

## Freedom to design

A design built with beMatrix combines the benefits of a modular system with the possibilities of a made-to-measure solutions. Almost any shape, contour and construction is possible and can easily be created. One single frame allows you to create all different kinds of design concepts.



## Lightweight

The aluminum frame system is lightweight, ergonomic and eco-friendly. With our system, your transportation costs and CO2 emissions remain low.



## Fast

Assembly and disassembly of the beMatrix system takes hardly any time. Its lightweight, simplicity and tool free assembly save loads of time, leaving you space to focus on the finishing details of your design.

## Long life cycle

The system is extremely sturdy, making it endlessly reusable. Wear and tear won't shorten its life cycle, since the frame is not visible to the eye once the entire design is set up.



## Ecologically sound

Because of its low weight, long life cycle and modular character, the beMatrix frame system is the eco-friendliest system today. Moreover, it is made out of untreated aluminum and is 100% recyclable and reusable without any quality losses.





**be strong <> be stylish**  
be anything.

**Come say hi**

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**or boost your inspiration**

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f t in o v