ELECTRONICS

be anything.

EN







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Easy & sustainable event building

beMatrix is the true heir and Belgian manufacturer of the original frame system with big holes, launched in 1993. beMatrix positively changes the event industry with a higher convenience and return for customers in a sustainable manner.



Our mission is to be the leading system for easy and sustainable event building.

The beMatrix system opens endless possibilities for event builders and exhibitors in different types of constructions such as exhibition stands, congress walls, indoor and outdoor events and pop-ups.



A sustainable step forward: frames with ECO+ finish.

beMatrix introduced the ECO frame as an ecological alternative to the anodised frame. Anodising is a very chemical surface treatment that pollutes the environment. We invented a brushing technique that gives the same look and is not harmful.



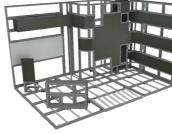
b62[®]



All dimensions of the $b62^{\circ}$ frame system have been based on the perfect 62×62 mm matrix. The width, length and height of the constructions are always multiples of 62.

The 62 mm matrix delivers the ultimate **modularity** with countless configuration options.





Why beMatrix?

Fast & easy design and build-up

Faster and easier than assembling a traditional profile-based system, light weight and no tools needed!

High return on investment

The same frame can be used for walls, ceilings and floors.
Since assembly is quick and easy, labour costs can be cut.

Sustainable system

Frames can be reused over and over again. They are also recyclable with minimal energy and without any loss of quality.

International network

There is always someone around who can assist you in the beMatrix network; beMatrix operates worldwide.

Local service and stock close to you

We have rental and service centres worldwide to support you with rental equipment, training or build-up support .







Straight or curved

Animation, motion and great feeling

LEDskin® transforms your beMatrix stand into a real **hotspot**, full of animation and motion, so your stand becomes a true **experience**. With LEDskin®, beMatrix once again revolutionises stand building. From now on – and in the blink of an eye – you can combine LED cabinets and frames to create an impressive video wall, which can be seamlessly **integrated** into your new or existing beMatrix stand. No more individual screens, which in fact in many cases are more of a disruptive element than added value in a sleek stand design. Also, you are no longer limited to the maximum (standard) dimensions of individual screens. Instead, you can turn the whole thing into a totally seamless video wall.



Discover the impact of LEDskin® on the beMatrix YouTube channel.





Glue on edge



Instead of using textile, wood or plastic infills to finish your stand without any seams at all, 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 less fragile for physical damage. A very thin layer of glue is applied inbetween clusters of two LEDs. This is barely visible but very much needed when applied in temporary constructions for live communication.

Modularity



Thanks to the dimensions of the individual LED panels or when they are combined, they fit perfectly with 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 aluminium frames with the handy standard M8 connectors. Ready in a jiffy, always firmly and securely anchored.

Pixel talk

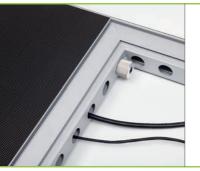


LEDskin® frames are available in 3 pixel pitches: **1.9, 2.5 and 3.1 mm**. This guarantees optimal resolution, brightness and responsivity.





The tiles are aligned using magnets, whilst 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 cable spaghetti at the back.



LEDskin® frames can easily be finished at the back using textile or panels (patented design), which can be easily attached using silicon edges or hook and loop tape.



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



The **GEKKO** is a specially designed tool enabling you to replace the LED modules at the front 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 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 familiar device in the usual way, start the video or application and the walls of your beMatrix stand instantly come to life!







For optimal handling we kept all LED panels as light as possible. One individual LEDskin® tile weighs only 7.3 kg and has a handy 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 and allow you to play with shapes. Think outside of your conventional cube, but more like a stand in LED 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 in design.

Inner and outer corners

By combining the LEDskin® frames with the beMatrix corner profile, an inner corner is easily 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.

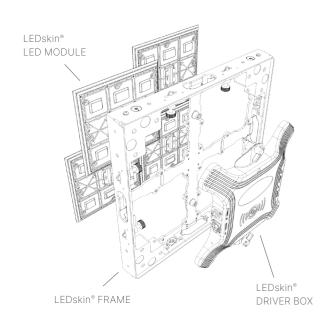


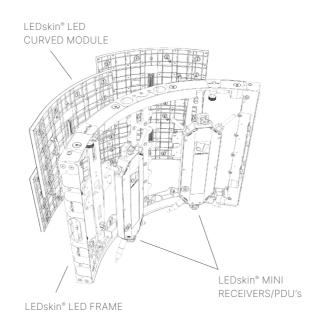






Technical specifications





PIXEL PITCHES 1.9 MM 4IN1 2.5 MM 3.1 MM

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/m ²	104.058 pixels/m ²
Cabinet weight	8,2 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/m ²	-

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/m ²	-

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	160°/160°	140°/140°	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	1:5000	1:2000	1:2000
LED	IMD 1.95 2X2	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	600 W/m ²	600 W/m²
Average power consumption	200 W/m²	200 W/m²	200 W/m²
Platform	Novastar	Novastar	Novastar
Receiver card	A8s-N	A8s	MRV470
Operating life	100.000 hours	100.000 hours	100.000 hours



75" beTV

TV integrated in beMatrix frame

No more mounting a TV into your stand using a bracket! Forget seeing cables and troubles with hiding them. Gabs between your TV and your stand design? All of that is in the past with the beMatrix beTV. **The ultimate electronics building block** and eye catcher of your design!

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



beTV works like a **b62 building block** that you conveniently place into your stand or that serves as a stand-alone. The backside can be finished with 3 mm panels or textile.

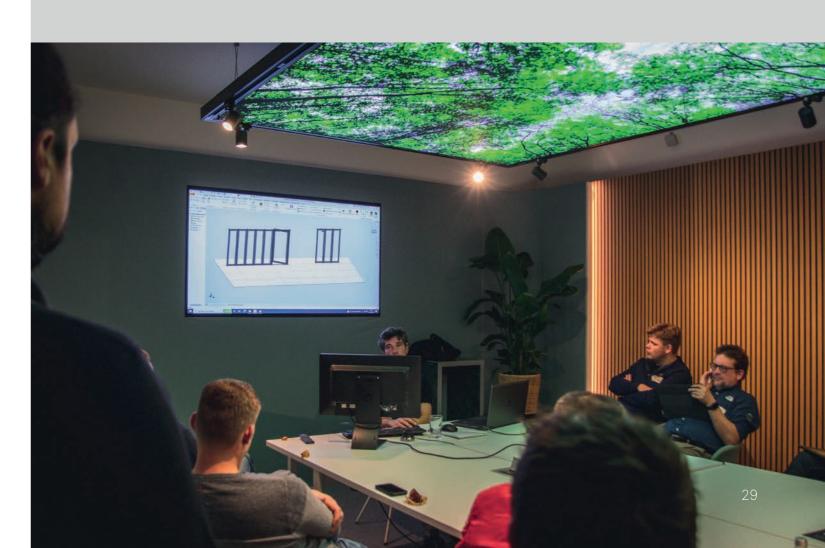
The set is always delivered in a flightcase in which you can store additional frames and base plates.





beTV USP's compared to consumer TV

- Landscape & portrait usage (menu and/or content rotation)
- 24h/7d
- 3y warranty
- **Brightness** (500 nit) is 2x times more than consumer TV: important for fairs
- Fast recovery IPS panel with **4K resolution** (3840 × 2160 pixels)
- Dustproof: important for fairs
- Wide viewing angle (no colour 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-glair coating
- Built-in Wi-Fi access point: important for fairs
- 3 HDMI inputs, 1 DVI in, DP in and out (for linking)









Single or double sided

34

No boundaries to your creativity

There is no end to the creative ways in which you can use our lightboxes. From a perfectly aligned lightbox and frame, for a minimal and flawless look, to a unique combination of a number of lightboxes **in all shapes and sizes**, for a fabulous and eye-catching 3D effect.



3 formats to fit your needs!

The sideLED lightboxes are built as a beMatrix building block and are therefore **easy to mount** onto the beMatrix frame system. They can also be used as a freestanding item. Modulatiry is key!

Single sided	Double sided	
62S sideLED lightbox 780 ++++ ++++	124D sideLED lightbox 781 ++++	186D sideLED lightbox 786 ++++ ++++

62s sideLED lightbox

The 62s is our only single sided lightbox in the range with a width of 62mm which fits perfectly with b62 frames. This makes it the perfect building block in your range. Thanks to the powerful improved sideLED modules, a very **visible item that can change your design** immediately.



To ensure the stability of the frame we advise a maximum dimension of 992×2976 mm. If there is extra support from the surrounding frames, your construction can go up to 1488×2976 mm.





124D sideLED lightbox

Our newest innovation in the lightbox range is the 124d sideLED lightbox. It works as a building block in your beMatrix range and is now **more modular than ever!**

nd ce

It's lower and thinner profile ensures that there is less chance of shadow and that the light output is bigger and better. The lightbox is easy to mount and can also go infinitely wide thanks to intermediate tubes that guarantee you strength in your construction.

The 124D sideLED lightbox has an **adjusted lighting beam** that allows you to illuminate at a shorter distance on two sides and therefore also has a bigger light output and can be perfectly used in bigger designs.





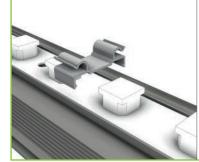
The lightbox has a **non-binary end** to the inserted LED that perfectly fits its own built-in transfo. This means, no more hassle with male and female ends of cables!



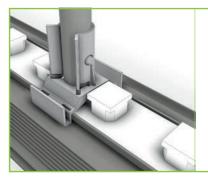
Technical innovation: we replaced the joining set of 48 screws with an **aluminium corner piece**. Just slide the profile in and fasten it with 2 screws.



All profiles are sawn off straight to support modulairy. By using a 180° connector, you can easily join 2 straight profiles together to have another size of lightbox.



The LED strip is secured with handy clips that also provide cutouts for clamping cables. This ensures easy cabling.



Intermediate tubes are provided for larger structures. These are attached with clips.



186D sideLED lightbox

The 186D lightbox is a double sided lightbox with a width of 186 mm. This **ensures you stability** in your design and is especially created for bigger light constructions where strength is key.

If you want to have a broader look on your lightbox and your stand, this is the perfect lightbox to use! You can either integrate it or use it as a standalone object.









SAM Light

Would you like to draw attention to a specific part of your booth? Illuminating panels, walls and/or products can be done simply with the SAM Light.

This **adjustable LED lamp** is distinguished by its sleek, stylish design, various mounting options and use of LED technology. It is possible to install up to 6 SAM Lights on one power supply (160W).

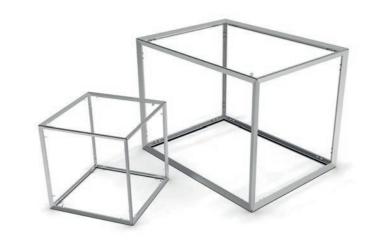
2 in 1





Inspiration: illuminated Boxscreens

Do you know about the **Boxscreen** and the **Boxscreen MINI**? They are sturdy, hanging constructions (covered with textile) from the iZi range that don't let you go un-noticed during an exhibition. They can be combined with the SAM Lights; that way you can draw even more attention to you. Ideal for creating the perfect atmosphere.









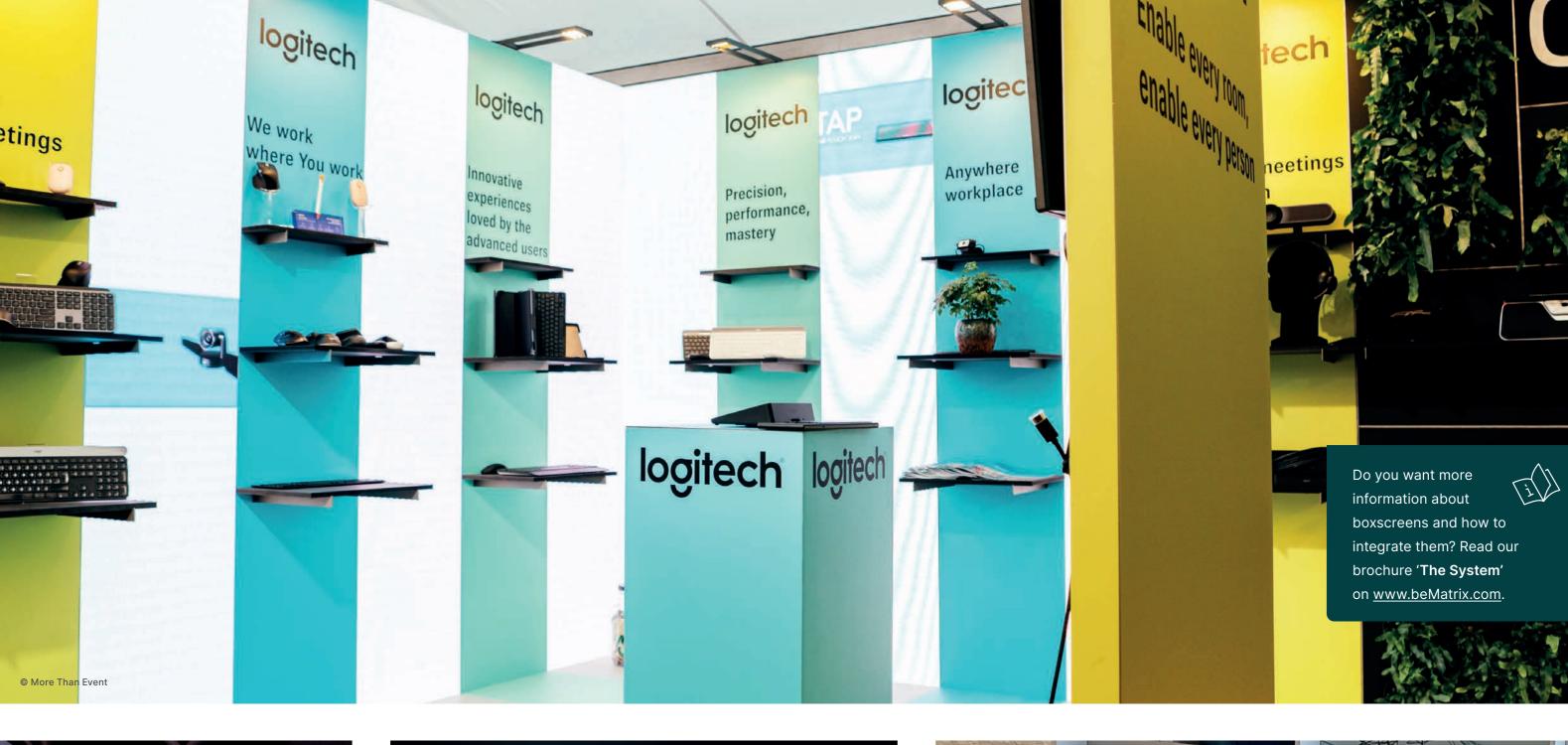
ART. NR: 250 05 50 S

DIMENSION: 430x100x20 MM

WEIGHT: 0.8 KG

LUMINOUS FLUX: 1200 LM

COLOUR TEMPERATURE: 3500 K / 5000 K ELECTRICITY CONSUMPTION: 15 W









BIG SAM Light

Bigger stand building options

The BIG SAM Light is het perfect solution for equal illumination of large surfaces. The adjustable LED light gives you **maximal flexibility** as you can turn it 340°. This allows you to mount it at the top of the structure as well as below depending on the desired exposure.

The power supply is integrated in the light, so no hassle anymore to hide the power supplies. You can connect the light directly on the net of 110 or 220V. Above that the cables have a security lock to prevent disconnecting and when the current exceeds the maximum you can easily push the integrated safety function that shuts down and resets the light. It is possible to install up to 6 SAM Lights on one power supply (160W).

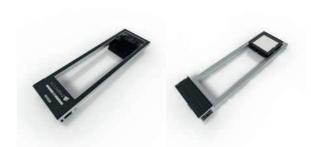
Connectable lights

It is possible to connect up to 20 BIG SAM lights on only one power supply, and this with the extension cables that come with the lights.

3 in 1

The light consists of a 3-in-1 principle: you can switch easily between three colour temperatures: cold, neutral and warm light. This gives you the opportunity to adjust them to the atmosphere you want to create.

	SAM Light		BIG SAM Light
•	2 colour temperatures	•	3 colour temperatures
	3 lighting heads	•	1 BIG lighting head
	1200 lumen	•	4600 lumen
•	15W power consumption	•	42W power consumption
•	Connecting up to 6 lights	•	Connecting up to 20 lights
•	/	•	Security lock to prevent disconnecting cables
•	/	•	Integrated safety function when current > max
•	Flightcase with 6 lights	•	Flightcase with 10 lights
•	Light a wall of max. 2.5m	•	Light a wall up from 2.5m
•	Light a part of the wall	•	Light a complete wall or a part of your stand



ART. NR: 250 05 51 S

DIMENSION: 562x165x51 MM

WEIGHT: 1,74 KG

LUMINOUS FLUX: 4600 LM

COLOUR TEMPERATURE: 2700 K / 3500 K / 5000K

ELECTRICITY CONSUMPTION: 42 W



Track Light System

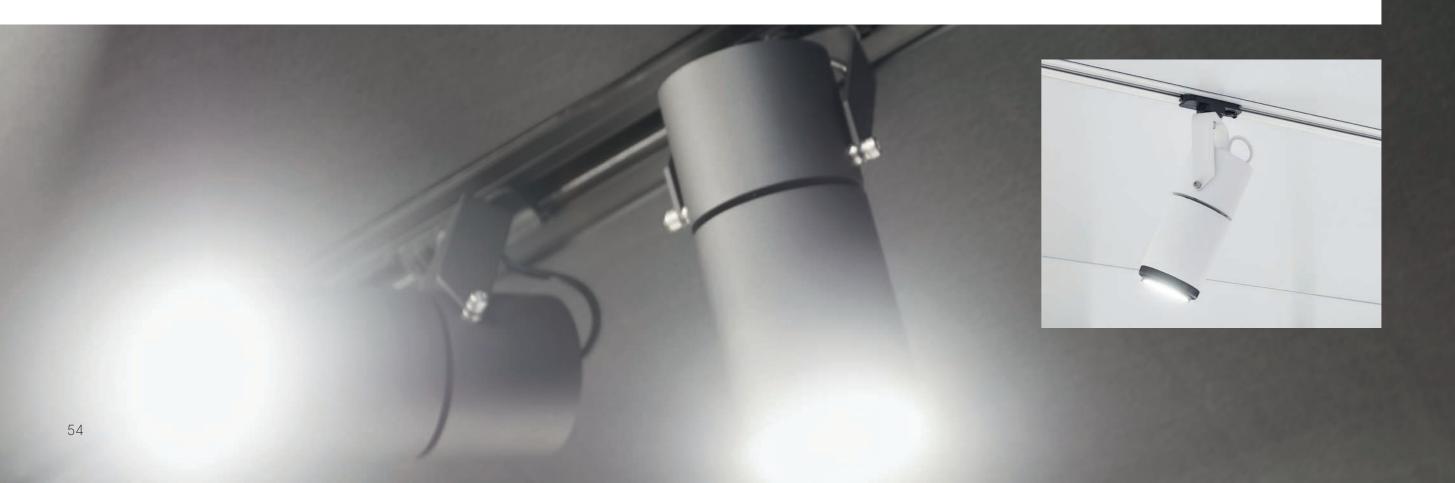
If you use standard lights in the event sector, it is common that the cabling is an issue. It looks untidy and is not easy to work with. From this point of view we are happy to propose the Track Light System. A beMatrified solution that can be used in all beMatrix setups! There is no better way to add adjustable and seamless lighting to your setup than with the Track Light System from beMatrix.

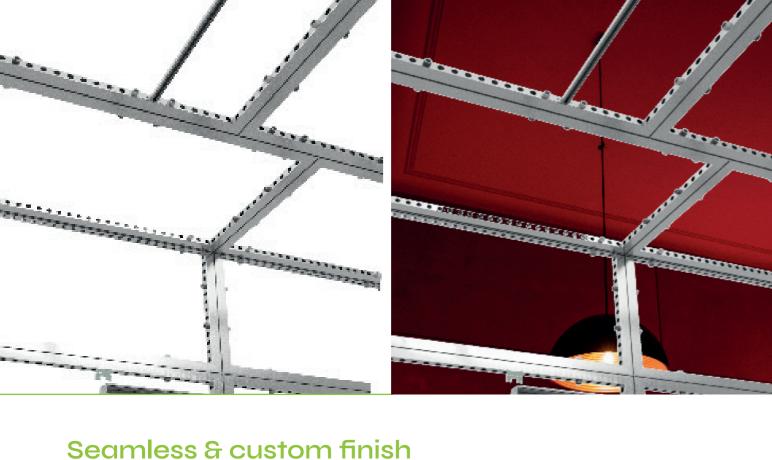
Fast integration

beMatrix developed a **square 62×62 profile** that matches with the existing EUTRAC profile. This Track Light profile fits perfectly with our modular b62 frame system, where it is integrated quickly and easily.

The Track Light System can be nicely incorporated in various ways. Thanks to the modular DNA, the possibilities are endless. Mount the profile in a ceiling, on top of or in a wall, in a banner, a frame or stand-alone as a lighting pole on a baseplate.







For a neat and tidy result, the Track Light System can be finished with panels on three sides. The Track Light System is compatible with existing track lighting, of which we have included a number of standard Delta Light models in our range. It is also possible to integrate a socket.



ART. NR: 261 02 01

LUMINOUS FLUX: 3555 LM

ELECTRICITY CONSUMPTION: 35 W

COLOUR TEMPERATURE: 3000 K

ADJUSTABLE LAMP HEAD: YES

COLOUR: AVAILABLE IN BLACK AND WHITE



ART. NR: 261 02 02

LUMINOUS FLUX: 1283 LM

ELECTRICITY CONSUMPTION: 14 W COLOUR TEMPERATURE: 3000 K

ADJUSTABLE LAMP HEAD: NO (25°)

COLOUR: AVAILABLE IN BLACK AND WHITE















BIG Light

beMatrix also has a solution for equal illumination of large surfaces. With the BIG Light you get a sturdy **LED floodlight** that is providing large areas with warm or cold light both indoors and outdoors.

General lighting

The BIG Light can simply be mounted on the large holes of the frame system with the provided bracket. This lighting solution is perfectly compatible with beTruss or for high walls. You can connect 16 BIG Lights on one electrical circuit. BIG Light disposes of the IP65, CE, RoHS and ISO9001 certificates.



ART. NR: 250 05 63 10X

DIMENSION: 475X490X550 MM

WEIGHT: 5 KG

LUMINOUS FLUX: 23 000 LM

ELECTRICITY CONSUMPTION: 200 W

BEAM ANGLE: 120°

COLOUR TEMPERATURE: 3000 K / 5000 K

COLOUR: BLACK

CONTENT OF 1 BOX: 10 BIG LIGHTS, 10 BRACKETS, 2 POWER SUPPLY CABLES OF 1.5 M,

10 LOOP-THROUGH CABLES OF 3 M $\,$

901 28 0 901 28 0341 ECO 2 PIN 180° E 4 PIN 90° D30 ECO 049 0066 INOX 901 28 0342 ECO 901 28 03 4 PIN 180° D30 ECO T 6 PIN D3 901 28 0344 C 4 PIN 60° D30 DMK 901 28 (T 4 PIN DS

t 0 0 0 0 S





Logistics

The aluminium frame system is lightweight, hence very ergonomic and eco-friendly: no need for the stand builder to carry around heavy structures, while **transport weight and CO2 emissions remain** low

beMatrix also helps with the transportation from departure to arrival, including any customs formalities.



MybeMatrix

Technical leaflets & 3Ds

In MybeMatrix you have access to all our "how-to's" and technical leaflets with step by step guides.

3Ds show more than images.

Get full access to the 3D library!



beMasters

Our international network of exhibition builders.



Our events are the perfect opportunity to discover the versatility of the frame system and to get a unique glimpse behind the scenes of beMatrix.





beCAD

Create, control and calculate your beMatrix project with beCAD.

Completely free, all-in-one online tool loved by exhibition designers.

bePartner network

We collaborate with a few select partners/suppliers for specific services. These partners have been hand-picked and they are audited annually!





Kontainer

A wide selection of projects for you to become acquainted with beMatrix products, services and the endless possibilities of our system.

Scan and discover our bePartners.



Global Rental Network

The Global Rental Network is a **network of service centres** with a large range of beMatrix products **spread all over Europe, the UK and the USA**. Thanks to this network, you do not have to ship your beMatrix stock around, but you can use the **large stock available** at that location. Moreover the availability of frames is almost unlimited and will allow you to build exceptionally large projects.



Locations

+

We offer two different renting options so you get a favourable price and, maybe even more interesting, a spread of the costs for your beMatrix project.

Short-term renting has a typical run time of 1-5 weeks. Long-term renting has a minimal run time of 1 year (fixed price for the first 6 months). Both rental plans can also be combined, according to your specific needs.





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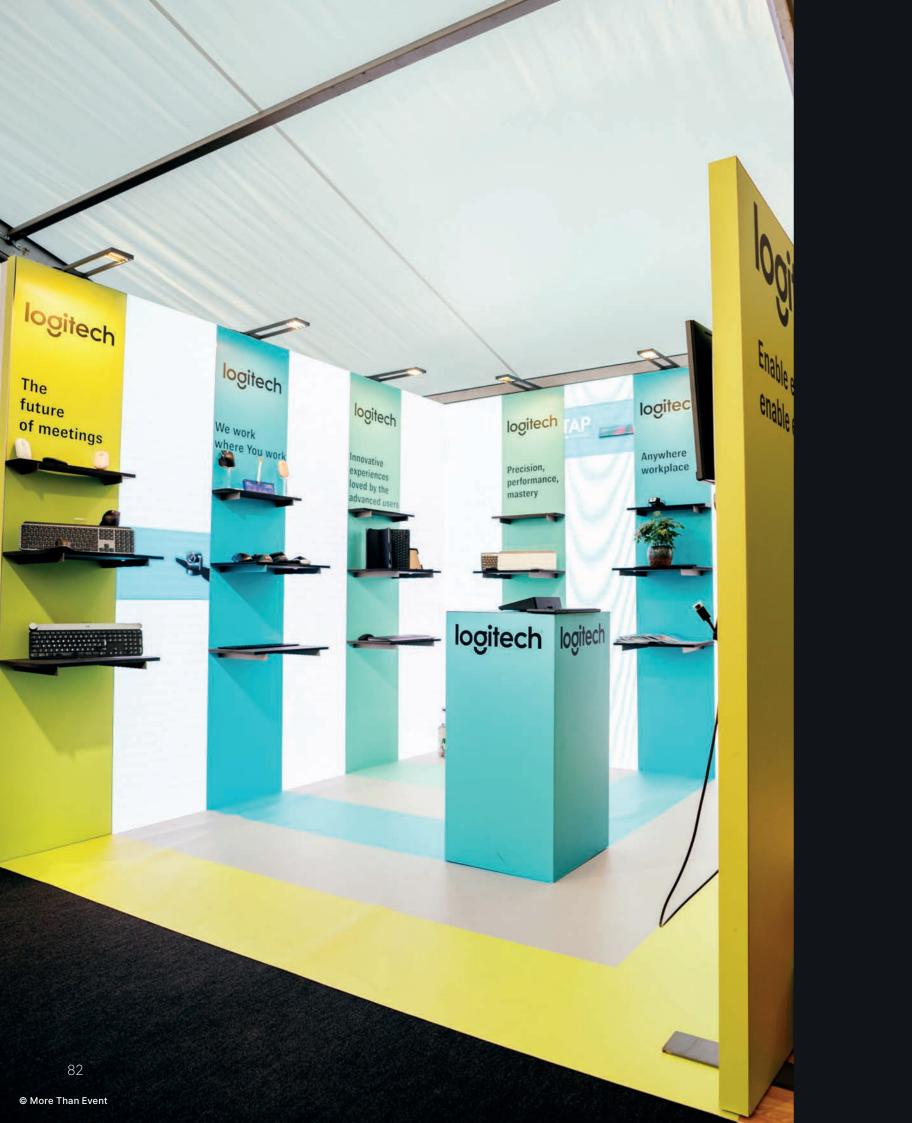
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