

The LED screen you cannot see.

Dynamo Skin: an LED display with a real architectural finish on its face. Marble, wood veneer, concrete, metal, textile, gemstone or your own pattern. Switched off, it is a wall, a counter or a floor. Switched on, the picture comes through the finish. Fixed installation, 1.25 mm to 3.9 mm, serviced from the front.

DYNAMO LED DISPLAYS · LONDON · DUBAI · OXFORDSHIRE

A reception wall in a marble finish with the LED picture showing through.
Manufacturer's visualisation of the finish-panel system, not a Dynamo project.

A screen that disappears into the wall.

The DSK Series, Dynamo Skin, is a hidden LED screen. A thin decorative panel in a real-looking architectural finish clips over the face of a fine-pitch LED cabinet. When the screen is off, you see the finish: a marble wall, a timber-clad bar front, a brushed-metal column, a concrete reception desk. When the screen is on, the LED picture comes through the finish and the surface becomes a display.

The finish panels come in 61 catalogue finishes across eight families, plus a mirror finish in a choice of colours and a fully custom surface printed to your own artwork. They are made in 250 × 250 mm, 500 × 500 mm and 500 × 1,000 mm sizes to match the LED cabinet grid, so a

finished wall tiles with no visible break between the live and the solid parts.

Behind the finish sits a 500 × 500 mm fine-pitch LED cabinet from Dynamo's DRX Series range, in six pixel pitches from 1.25 mm to 3.9 mm, chosen to the viewing distance. The cabinet is the panel the finish is made for, so the two are supplied and installed together as one system.

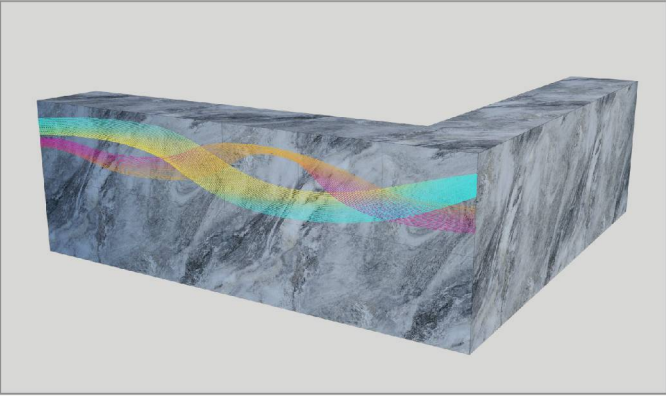
It is a permanent-installation product for interiors: hospitality bars and counters, reception and lobby feature walls, fitness studios, retail, residential and show spaces. The spreads that follow cover the finishes, the sizes and how the panels tile, installation and service, where it is used, and the specification of the LED behind the skin.

Off, it reads as a solid surface. On, the picture comes through the finish. The same wall does both.

61 finishes

in the catalogue: veneer, marble, concrete, metal, textile, gemstone, fabric and pattern, plus mirror in a choice of colours and a custom surface printed to your artwork.

ON



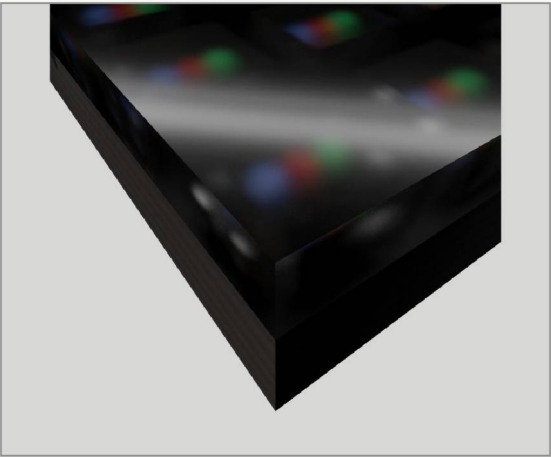
OFF · ONE FINISH PANEL LIFTED



A marble-finish bar counter built on the frame-connection method. Left: content running through the finish. Right: switched off, with one finish panel lifted to show the LED module behind it. Manufacturer's renders.



How it goes together: the 500 × 500 mm LED cabinet, the 250 × 250 mm finish panels that clip over its face, and the finished surface. Manufacturer's render.



The LED pixels sit directly behind the finish layer, which is why the picture reads cleanly through it. Manufacturer's render.

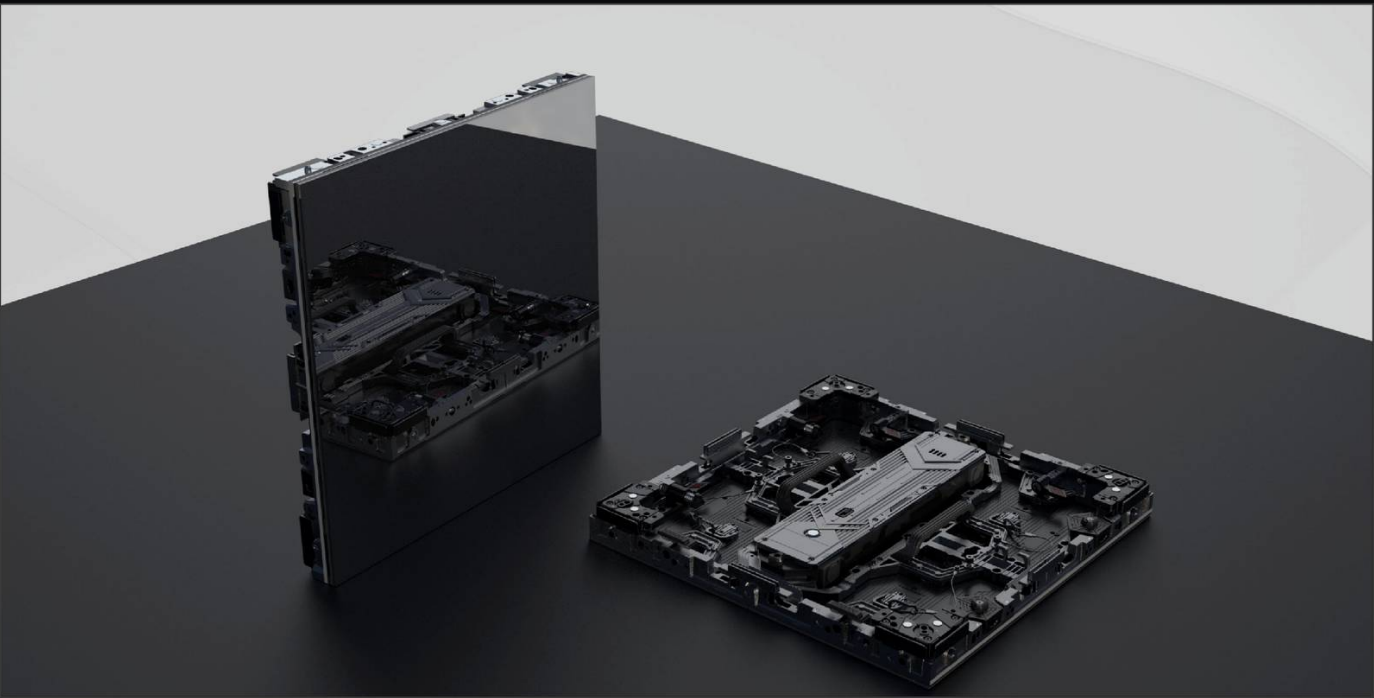
Finish samples are available to view before a specification is fixed. Printed finishes are reproductions of the material, not the material itself.

Eight families. Or your own surface.

Every finish below is a catalogue finish for the 250 × 250 mm panel. Codes are the catalogue references to quote when asking for samples. Gemstone finishes G02, G04 and G05 are also made in the 500 × 500 and 500 × 1,000 mm panel sizes.

VENEER 11 FINISHES											
	V01	V02	V03	V04	V05	V06	V07	V08	V09	V10	V11
MARBLE 11 FINISHES											
	M01	M02	M03	M04	M05	M06	M07	M08	M09	M10	M11
CONCRETE 9 FINISHES											
	C01	C02	C03	C04	C05	C06	C07	C08	C09		
METAL 8 FINISHES											
	Me01	Me02	Me03	Me04	Me05	Me06	Me07	Me08			
TEXTILE 6 FINISHES											
	T01	T02	T03	T04	T05	T06					
GEMSTONE 5 FINISHES											
	G01	G02	G03	G04	G05						
FABRIC 6 FINISHES											
	F01	F02	F03	F04	F05	F06					
PATTERN 5 FINISHES											
	P01	P02	P03	P04	P05						

Catalogue swatches reproduced from the manufacturer's finish library; printed and screen colour will differ from the finished panel. Ask for physical samples before fixing a specification.

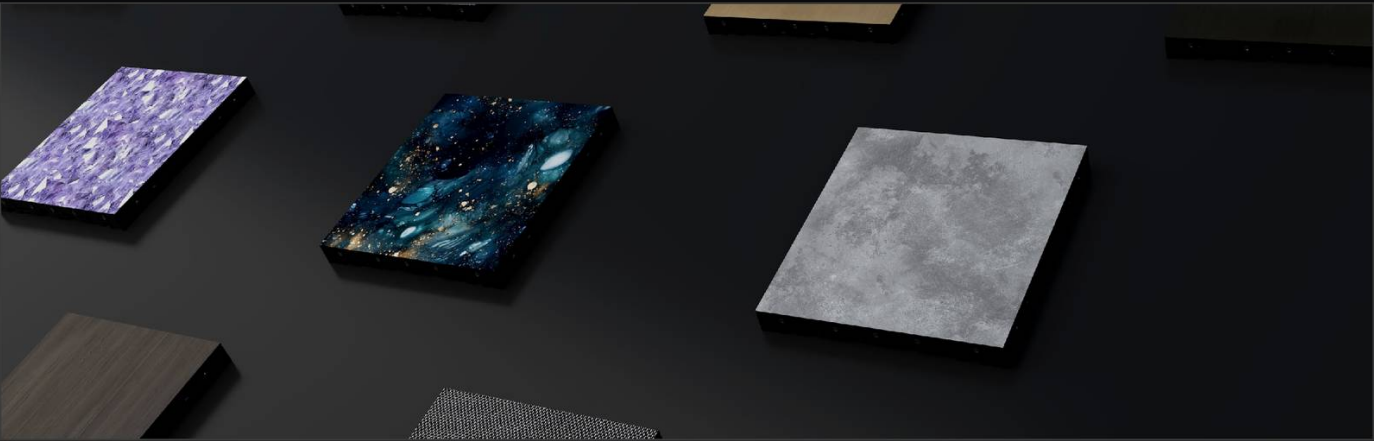


The mirror finish: a 500 × 500 mm LED cabinet with a mirror face, shown with the cabinet rear alongside. Made in a range of colours; black is the default. Manufacturer's render.

MIRROR A reflective face over the LED, in a choice of colours (default black). Off, it is a mirror wall; on, the picture appears in the mirror.

CUSTOM PATTERN Five catalogue patterns, or a surface printed to your own artwork: a brand graphic, a repeat, a bespoke stone or timber match.

MIX AND MATCH Finishes can be combined across one wall, and panels with and without LED behind them share the same finish, so the live area and the solid surround read as one.



Finish samples laid out for selection. Manufacturer's render.

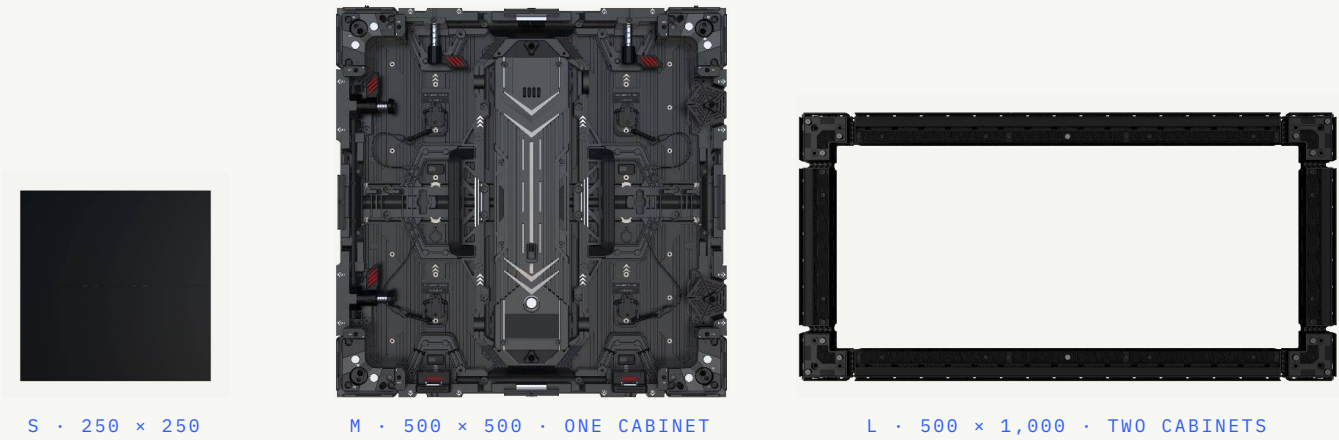
Three panel sizes. One 500 mm grid.

S · 250 × 250 mm. The standard finish panel, the same size as one LED module. Four of them cover a 500 × 500 mm cabinet, which is how mixed finishes and fine detail are set out across a wall.

M · 500 × 500 mm. One panel covers one cabinet. Fewer joints across a plain finish such as marble or concrete.

L · 500 × 1,000 mm. One panel covers two cabinets stacked or side by side, for long runs such as a bar front or a lift lobby wall.

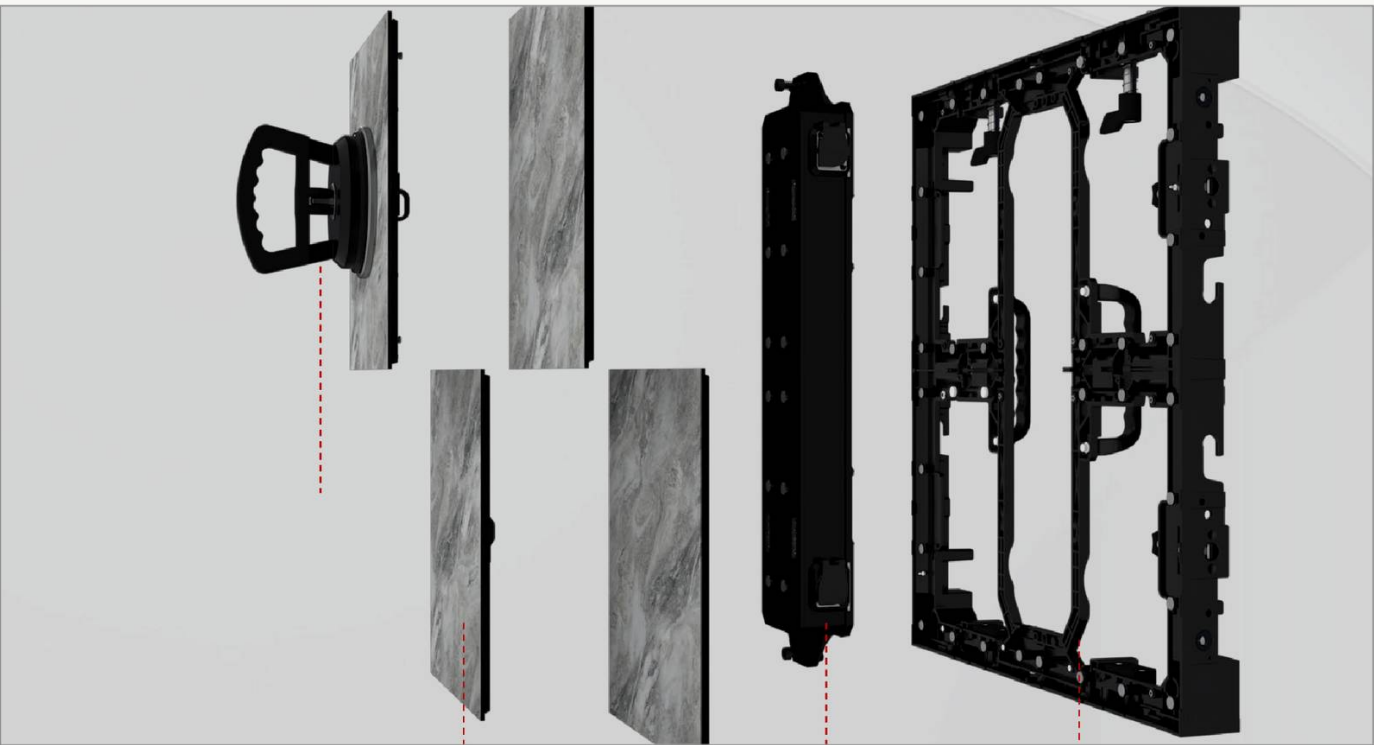
Other panel sizes are made to order for a specific design. The LED behind is always sized in whole 500 × 500 mm cabinets, so a screen is a multiple of 500 mm in each direction; the finish can carry on past the live area over plain backing panels so the surface reads as one.



Left to right: the 250 mm finish panel; the 500 × 500 mm LED cabinet seen from the rear; the 500 × 1,000 mm frame. Manufacturer's renders.

500 × 500 mm

the LED cabinet grid behind the finish. Every DSK Series screen is a whole number of cabinets in each direction; the finish panels tile over it in 250, 500 or 1,000 mm steps.



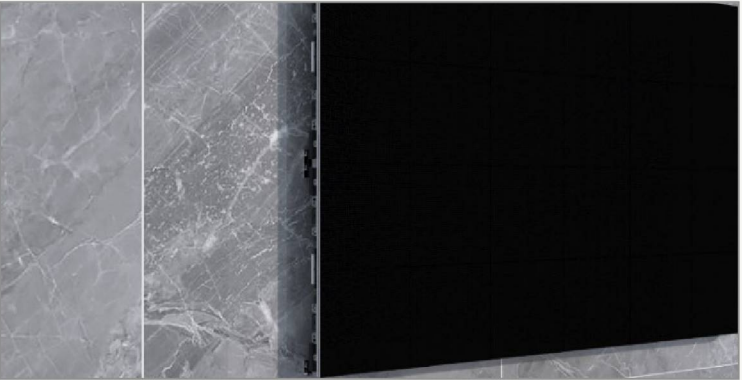
Exploded view, left to right: the suction tool, the finish panels and LED modules, the control unit (power supply, hub and receiving card) and the cabinet frame. Manufacturer's render.

- 01 · LIFT THE MODULE

A suction cup lifts the finish panel and the LED module off the face of the cabinet. No rear access is needed, so the screen can sit flush in a wall or a counter.
- 02 · RELEASE THE CONTROL UNIT

The control unit behind the modules is released from the cabinet frame with a screwdriver and lifted out from the front.
- 03 · SWAP AND REFIT

Power supply, hub and receiving card are all in the one unit, so a fault is cleared by swapping the unit or the module and refitting the finish panel.



The LED cabinet on its wall profile before the finish panels go on, set into a marble-clad wall. Manufacturer's render.

On the wall, in a counter, hung, stacked or underfoot.

WALL PROFILE Aluminium profiles are fixed to the wall, the LED cabinets hang on them and lock with a screw, and the finish panels clip over the face. Light and quick, and the way an LED screen is hidden inside a patterned wall that already exists.

FRAME CONNECTION Cabinets, or a frame with cover plates, are built into a free-standing form such as a bar counter or an art wall, with the finish continuing over the plates so the whole piece reads as one surface.

HANGING AND STACKING The cabinet can also be hung or stacked, for a suspended feature or a floor-standing wall where the structure allows.

LED FLOOR With the LED floor cabinet, the same finish system becomes a floor: a stone-finish floor that comes to life for an event or a brand moment.

TRAY EXTENSION A shelf in the same finish fixes across the panel for a sample wall or a product display: shoes, bags, laptops, perfume, with the picture running behind them.

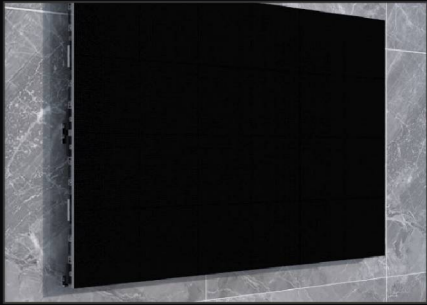
01 · FIX THE PROFILE



02 · HANG THE CABINET



03 · LOCK, THEN SKIN



Wall-profile installation in three steps. Manufacturer's renders.



The LED floor cabinet, and the tray extension in a marble finish. Manufacturer's renders.

WHERE IT IS USED



Fitness studio: a stone-finish wall with the class screen appearing in it.



Hospitality: a marble feature wall behind the counter.



Lobby: a portrait art panel set flush in the wall lining.



Retail: a stone-finish display wall with the trays carrying product.



Café: a timber-finish counter front that becomes the menu and the brand.



Show room: wall panels that read as lining until the content runs.

Manufacturer's visualisations of the finish-panel system in typical settings, not Dynamo projects.

THE CLASS OF PROJECT IT SUITS

- HOTEL, BAR AND RESTAURANT COUNTERS AND BACK-BAR WALLS
- RECEPTION, LOBBY AND LIFT-LOBBY FEATURE WALLS
- LUXURY RESIDENTIAL AND PRIVATE CINEMA WALLS THAT MUST READ AS A WALL
- RETAIL DISPLAY WALLS AND SAMPLE WALLS WITH TRAYS
- FITNESS STUDIOS, SPAS AND MEMBERS' CLUBS
- GALLERIES, SHOW SPACES AND MARKETING SUITES



A 6 m long, 1.5 m high, 1 m deep bar counter in a marble finish, built on the frame-connection method with the LED in the front face. Manufacturer's render.

Six pitches behind the finish.

The LED cabinet behind the finish is the 500 × 500 mm DRX Series cabinet, specified by pixel pitch to the closest viewing distance: 1.25 mm or 1.56 mm for a bar front or a desk read from arm's length, 1.95 mm to 2.6 mm for a feature wall across a room, 2.97 mm and 3.9 mm for a wall read from across a lobby or a gym floor.

ITEM	ALL PITCHES
FINISH PANEL SIZES	250 × 250 mm (S), 500 × 500 mm (M), 500 × 1,000 mm (L); other sizes to order
FINISH FAMILIES	Veneer, marble, concrete, metal, textile, gemstone, fabric, pattern (61 catalogue finishes); mirror in a choice of colours; custom printed surface
LED MODULE	250 × 250 mm; four per cabinet
LED CABINET (W × H × D)	500 × 500 × 55 mm, 9.2 kg per cabinet
PIXEL PITCH	1.25 · 1.56 · 1.95 · 2.6 · 2.97 · 3.9 mm
BRIGHTNESS	Above 3,000 cd/m² at 1.25 mm, above 3,500 cd/m² from 1.56 to 2.97 mm, above 5,000 cd/m² at 3.9 mm (LED cabinet, before the finish layer); set to the room at commissioning
REFRESH RATE	1,920 to 3,840 Hz
VIEWING ANGLE	160° horizontal, 160° vertical
CONTRAST	6,000:1
INGRESS PROTECTION	LED cabinet IP65 front, IP54 rear. Exterior use of the finish panels is confirmed per project
SUPPLY	100 to 240 V AC
SERVICE	Front: finish panel and module lifted with a suction cup; control unit released from the front
INSTALLATION	Wall profile, frame connection, hanging, stacking, LED floor; tray extension
CONTROL	Dynamo LED controller; HDMI input or scheduled playback through the Dynamo CMS
WARRANTY	3-year return-to-base on the LED display

Figures are from the product specification for the finish-panel system and its LED cabinet. Module and cabinet pixels are derived from the pitch. Finish-panel weight and thickness, power consumption and operating temperature are confirmed on the quotation. Specifications may change without notice.

PITCH	CD/M²	MODULE PX	CABINET PX	PX PER M²	BEST VIEWED
DSK P1.25 · 1.25 mm	>3,000	200 × 200	400 × 400	640,000	from 1.25 m
DSK P1.56 · 1.56 mm	>3,500	160 × 160	320 × 320	409,600	from 1.56 m
DSK P1.95 · 1.95 mm	>3,500	128 × 128	256 × 256	262,144	from 1.95 m
DSK P2.6 · 2.6 mm	>3,500	96 × 96	192 × 192	147,456	from 2.6 m
DSK P2.97 · 2.97 mm	>3,500	84 × 84	168 × 168	112,896	from 2.97 m
DSK P3.9 · 3.9 mm	>5,000	64 × 64	128 × 128	65,536	from 3.9 m

Best viewing distance is the closest comfortable position; every pitch reads well beyond it.

SCREEN (W × H)	CABINETS	P1.25	P1.56	P1.95	P2.6	P2.97	P3.9
2,000 × 1,000 mm · 2.0 m²	4 × 2 = 8	1,600 × 800	1,280 × 640	1,024 × 512	768 × 384	672 × 336	512 × 256
3,000 × 1,500 mm · 4.5 m²	6 × 3 = 18	2,400 × 1,200	1,920 × 960	1,536 × 768	1,152 × 576	1,008 × 504	768 × 384
4,000 × 2,000 mm · 8.0 m²	8 × 4 = 32	3,200 × 1,600	2,560 × 1,280	2,048 × 1,024	1,536 × 768	1,344 × 672	1,024 × 512
6,000 × 1,500 mm · 9.0 m²	12 × 3 = 36	4,800 × 1,200	3,840 × 960	3,072 × 768	2,304 × 576	2,016 × 504	1,536 × 384
1,000 × 2,500 mm · 2.5 m²	2 × 5 = 10	800 × 2,000	640 × 1,600	512 × 1,280	384 × 960	336 × 840	256 × 640

Starting points; any whole-cabinet size can be built and the finish can continue over plain panels beyond the live area.

WHAT A DYNAMO DSK SERIES SUPPLY INCLUDES

- LED CABINETS IN THE AGREED GRID, 1.25 TO 3.9 MM PITCH, WITH THE CHOSEN FINISH PANELS
- PLAIN FINISH PANELS FOR THE SURROUND WHERE THE DESIGN NEEDS THEM
- DYNAMO LED CONTROLLER AND THE DYNAMO CMS, INCLUDED WITH NO LICENCE FEE
- SPARES ALLOWANCE FOR MODULES AND CONTROL UNITS
- LAYOUT DRAWINGS FOR THE JOINER, FIT-OUT CONTRACTOR OR INTERIOR DESIGNER
- 3-YEAR RETURN-TO-BASE WARRANTY ON THE LED DISPLAY

OPTIONAL

- SITE SURVEY, INSTALLATION AND COMMISSIONING BY DYNAMO ENGINEERS, NATIONWIDE
- FINISH SAMPLES AND A CUSTOM-PRINTED SURFACE TO YOUR ARTWORK
- CONTENT DESIGN AND SCHEDULING SET-UP

About Dynamo. Dynamo LED Displays is a UK LED display company, founded in 2013, with a London headquarters at 146a Brick Lane and a Dubai office. We specify, supply, install and support LED displays for architects, interior designers, fit-out contractors and end clients, and the same company is answerable from first survey to years after handover.

Talk to us about a DSK Series wall.

dynamo-led-displays.co.uk/contact-us/ · +44 (0)203 489 9878 · sales@dynamo-led-displays.co.uk

Dynamo LED Displays, 146a Brick Lane, London E1 6RU

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