Magnetic

Lumo Sheet M

Change content in less than a minute,
unique magnetic technology.

ONE CLICK BACKLIT LIGHTING DESIGN

Lumo Sheet M

RoHS COMPLIANT | CE | ♻ | A⁺⁺ ENERGY RATING |

Quick and easy print replacement

- Frame thickness of just 15 mm (single or double-sided)
- Brightness up to 11000 lx on the surface depending on size
- Single or double sided, curved
- Low power consumption
- Wide application posibilities, from interior design to signage
- (OPAL) or clear acrylic 2 mm
- Easy changeable image print

One step, that's what you need to get your Lumo Sheet M LED panel ready. The product is one of the most popular advertising solutions for a reason. The magnet inside the frame seals the sheets in a second. Unseal them even quicker. Place the suction cup on the surface and replace the backlit (the print image inside the panel) instantly as many times as you need for your advertising purposes.

SUPPORT 24/7, PROTECTION & WARRANTY

LUMOSIGNS
Trade Signage Solution

VARIATIONS

1. Magnetic one-sided
Lumo Sheet M with a reflector covering the backlit acrylic panel emits light on the front side of the surface.

2. Magnetic two-sided
The diffuser in the magnetic LED panel composition replaces the reflector, so the backlit acrylic sheet emits light over its entire surface, both front and back.

3. Magnetic curved
Lumo Sheet M LED light panels may be either flat or curved. All designs feature high-quality resolution, homogenous and balanced intensity light. The curve depends on the size of the panel.

4. Portable stand – large
Choose a portable stand to your Lumo Sheet M panel. The largest stands start from 100 cm high.

5. Portable stand – medium
Medium size stands are up to 100 cm high and 50 cm width. The stand has curved legs.

6. Portable stand – small
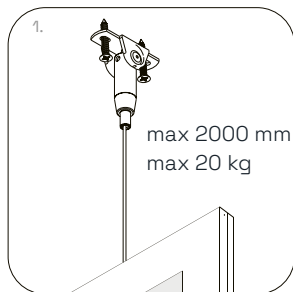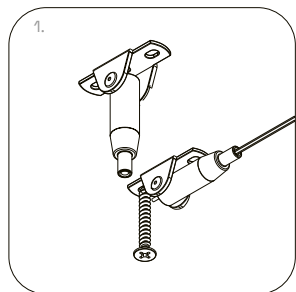The smallest portable stands you can pick are up to 50 cm high.

Technical specifications

MAIN MATERIAL **Clear acrylic (PMMA)**	LUMINOUS EFFICIENCY **up to 160 lm/W**	POWER SUPPLY **DC 12V / 24V / CC Adaptor**
FRAME THICKNESS **15 mm (S.S. and D.S.)**	IP RATING **IP 20**	WORKING VOLTAGE **DC 12V / DC 24V / DC CC** (RGB only 12 V)
MAXIMUM SIZE FROM ONE SHEET **2800 x 1250 mm**	LIFETIME **> 50,000 hours**	INPUT VOLTAGE **AC 100 ~ 240V 50/60Hz**
MAXIMUM (PROFILE) LENGHS **5000 mm**	OPERATING TEMPERATURE **-30°C ~ + 40°C**	LED TAPE POWER **one-sided 15 W/m** **two-sided 30 W/m**

COLOUR TEMPERATURE

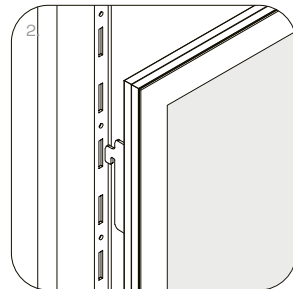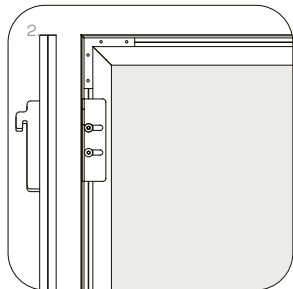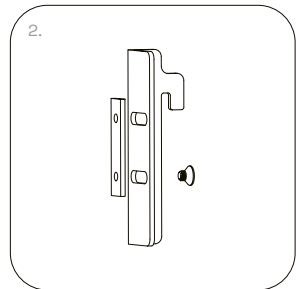|	
▇	**3000 K**
▇	**4000 K**
▇	**5000 K**
▇	**6500 K**
▇▇	**CCT** (Special order)
▇▇▇	**RGB** (Special order; except Magnetic Slim profile)

PACKAGE INCLUDES:
Power supply (Mean well GST series power supply)

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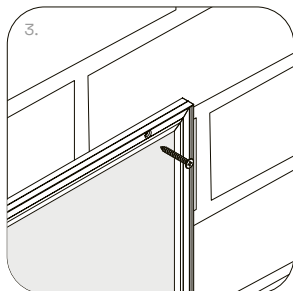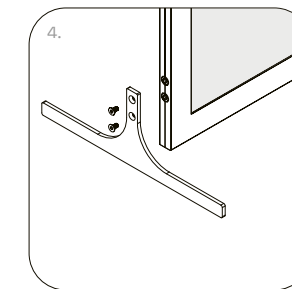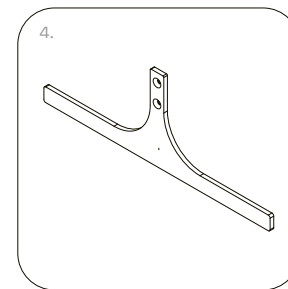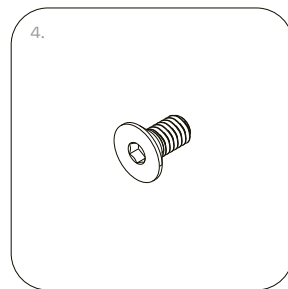Trade Signage Solution

Fixing & mounting

max 2000 mm
max 20 kg

1. Two-point cable fixation

2. Gondola shelving
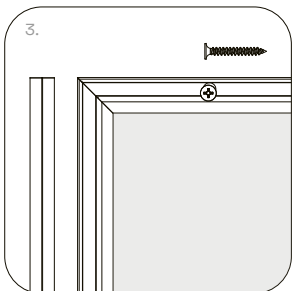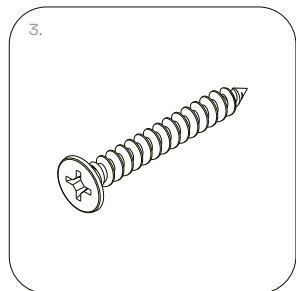
3. Pre-drill installation Ø 3,5 mm

4. Portable stand. Small – up to 50 cm high
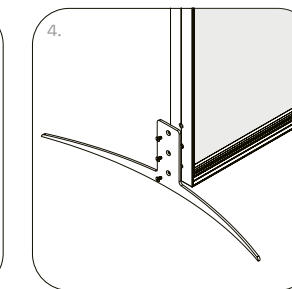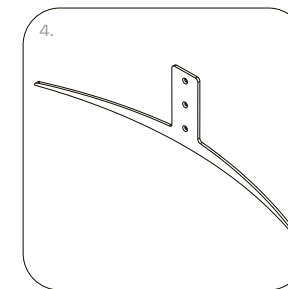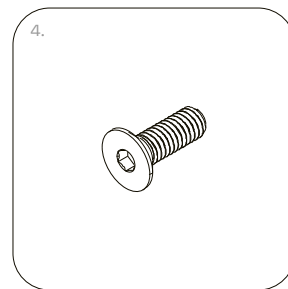
4. Portable stand. Medium – up to 100 cm high

4. Portable stand. Large – up to 100 cm high

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1250 mm (Max size)

2800 mm (Max size)
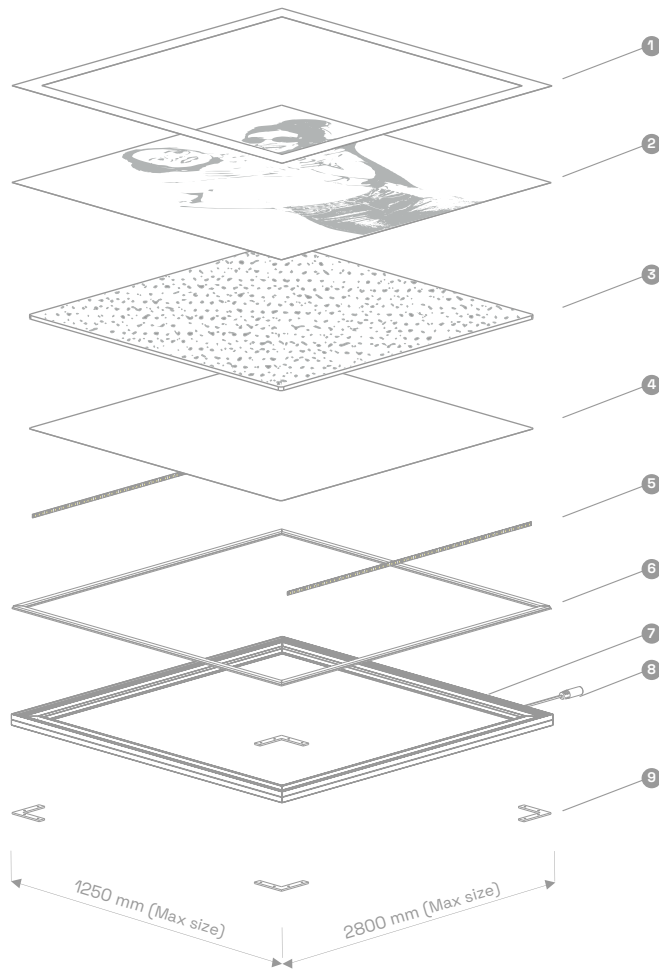
PRODUCT STRUCTURE

Technical & usage

1. **Protective acrylic sheet**
2. **Print on backlit**
3. **Lumosigns light-guided plate**
4. **Diffuser (double-sided) /**
   Reflector (single-sided)

5. **Lumosigns LED tape**
6. **Magnet**
7. **Aluminium frame**
8. **DC cable**
9. **Brackets**

Protective acrylic sheet
For your convenience, light panel with a protective acrylic sheet which ensures easy print change in just several minutes.

Print
The final step of the light panel is to choose, design and manufacture the desirable print you want to light up. Every standard back-lit and rigid print works perfectly with Lumosigns light panels.

Lumosigns light-guided plate
The most important part of the light panel is the acrylic sheet designed for even light distribution on the entire surface of the product, leaving no room for hot spots or darker areas you want to light up.
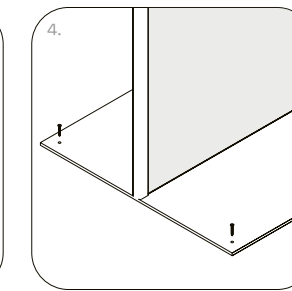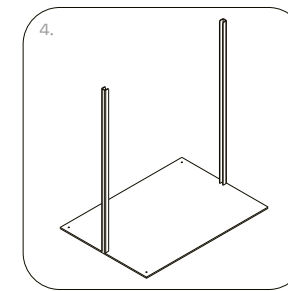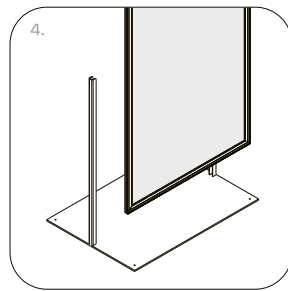
Reflector
A flexible material designed for supreme light reflection and color enhancement, making the most of LED lighting and acrylic sheet.

LED strips
High power LED strips with integrated Intelligent Control (IC) system for ultimate reliability and maximum lighting effect.

Magnetic frame
To deal with the heat LED bar is generating, high cooling efficiency aluminum frames are used to cool down the LED bar and to ensure optimal operating temperatures and long lifespan of the product.

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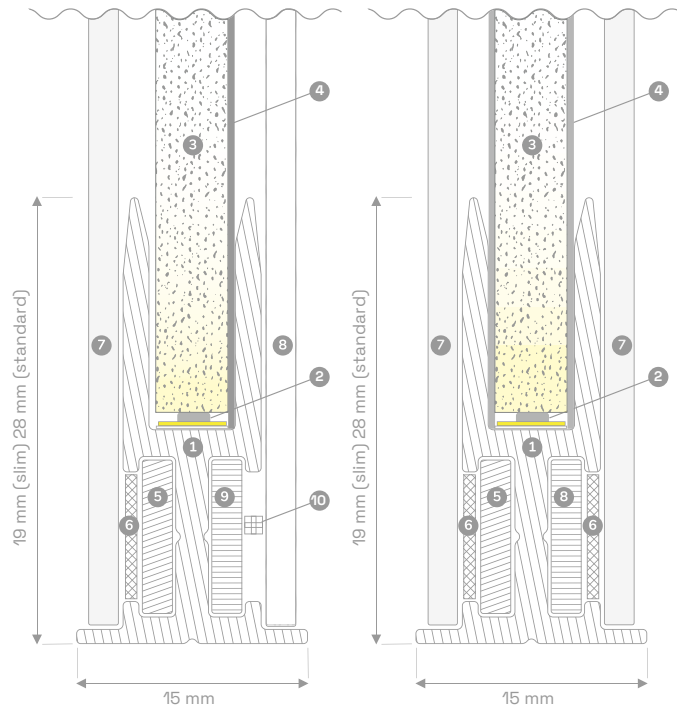
Magnetic Led panel - SINGLE

Magnetic Led panel - DOUBLE

PROFILES

Lumo Sheet M frame components

MAGNETIC LED PANEL - SINGLE

1. Aluminium frame
2. LED strips
3. Lumosigns light-guided plate
4. Reflector Lumosigns
5. Magnet
6. Metal strip
7. Protective acrylic sheet
8. Aluminum back plate (optional)
9. Brackets L shape
10. Screw

MAGNETIC LED PANEL - DOUBLE

1. Aluminium frame
2. LED strips
3. Lumosigns light-guided plate
4. Diffuser
5. Magnet
6. Metal strip
7. Protective acrylic sheet
8. Brackets

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Example

External frame size: 500 x 500 mm

500 mm

500 mm

Poster print size: 480 x 480 mm

480 mm

480 mm

Visible size: 442 x 442 mm

442 mm

Standard protective acrylic sheet width: 29 mm

442 mm   29 mm

PRINT ON BACKLIT

Magnetic Standard profile: file preparation

The standard profile, as well as the magnetic passe-partout, have a width of 29 mm.

PRINTING SIZE
The print size should be 10 mm smaller from each border.

VISIBLE SIZE
Please note that the visible size is smaller than the printing size. The standard magnetic passe-partout is 29 mm in width.

DIGITAL PRINTING
For color profile and graphic file preparation for printing, please get in touch with your printing house.

CALCULATION EXAMPLE

EXTERNAL SIZE	PRINT SIZE	VISIBLE SIZE
500 x 700	480 x 680	442 x 642
1000 x 700	980 x 680	942 x 642
297 x 420 A3	277 x 400	239 x 362
594 x 840 A1	574 x 820	536 x 782
2800 x 1250 Max size	2780 x 1230	2742 x 1192

Example

External frame size: 500 x 500 mm

500 mm

500 mm

Poster print size: 480 x 480 mm

480 mm

480 mm

Visible size: 462 x 462 mm

Standard protective acrylic sheet width: 19 mm

462 mm

462 mm

19 mm

PRINT ON BACKLIT

Magnetic Slim profile: file preparation

The standard profile, as well as the magnetic passe-partout, have a width of 19 mm.

PRINTING SIZE
The print size should be 10 mm smaller from each border.

VISIBLE SIZE
Please note that the visible size is smaller than the printing size. The slim magnetic passe-partout is 19 mm in width.

DIGITAL PRINTING
For color profile and graphic file preparation for printing, please get in touch with your printing house.

CALCULATION EXAMPLE

EXTERNAL SIZE	PRINT SIZE	VISIBLE SIZE
500 x 700	480 x 680	462 x 662
1000 x 700	980 x 680	962 x 662
297 x 420 A3	277 x 400	259 x 382
594 x 840 A1	574 x 820	556 x 802
2800 x 1250 Max size	2780 x 1230	2762 x 1212

Lighting Projects

We are here to provide you with reliable services.
Because we are the ones

— who inspire through light

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