TRANSPARENT LED FILM

LED MESH

Holographic screen for glass

An adhesive LED film that turns glazing into a display while keeping it transparent. Three pixel pitches, one installation method.

1–3 mm	3 kg/m²	85%	IP45
THICKNESS	WEIGHT	MAX. TRANSPARENCY	PROTECTION

Adheres to glass
Self-adhesive film applied directly on the glazing.

Cut to size
Can be cut to any size to fit the opening.

Bendable
Can be bent to follow curved glass.

Light & thin
3 kg/m² and 1 to 3 mm thick. Hanging or fixed mounting also possible.

Standard control
Colorlight or Novastar, synchronous or asynchronous.

Stable image
Static driving, ≥ 3 840 Hz refresh, ≥ 16 bit grey level.

THE RANGE

	PH2.5 p. 02	PH3.91 p. 03	PH6.25 p. 04
PIXEL PITCH	2.5 mm	3.91 mm	6.25 mm
PIXEL DENSITY	160 000 px/m²	65 536 px/m²	25 600 px/m²
LED CHIP	SMD1010	SMD2020	SMD2020
TRANSPARENCY	> 60%	> 75%	> 85%
BRIGHTNESS	800–2 000 cd/m²	1 500–5 000 cd/m²	1 500–5 000 cd/m²
STANDARD STRIP	1500 × 160 mm	1500 × 250 mm	1500 × 250 mm
RESOLUTION / STRIP	600 × 64 px	384 × 64 px	240 × 40 px
VIEWING DISTANCE	3 m – 250 m	3 m – 250 m	8 m – 250 m
TYPICAL USE	Shop windows · showrooms · interior glass partitions	Large shop windows · atriums · lobbies · events	Façades · curtain walls · large volumes · airports

Benoît CAMILLERI — FOSFOR · benoit@agence-fosfor.fr

FOSFOR SAS · Champagne-au-Mont-d'Or · France

01 — PIXEL PITCH 2.5 MM

PH2.5

FOSFOR LED MESH holographic screen

The finest pitch of the range. Sharp image at short distance, for glass seen up close.

TYPICAL USE

Shop windows · showrooms · interior glass partitions

2.5 mm	60%	800–2 000	600 × 64
PIXEL PITCH	TRANSPARENCY (MIN.)	BRIGHTNESS CD/M²	PX PER 1500 × 160 MM STRIP



SIMULATED VIEW · 2.5 MM PITCH



Same scale (1:8) on the three models to compare pixel density. Simulation, not contractual.

Display

PIXEL PITCH	2.5 × 2.5 mm
PIXEL DENSITY	160 000 px/m²
LED CHIP	SMD1010
STANDARD STRIP	1500 × 160 mm · 1200 × 160 mm
RESOLUTION / STRIP	600 × 64 px (1500 mm)
THICKNESS	1 – 3 mm
WEIGHT	3 kg/m²
TRANSPARENCY	> 60%

Image

BRIGHTNESS	800 – 2 000 cd/m²
VIEWING DISTANCE	3 m – 250 m
VIEWING ANGLE	H ≥ 160° · V ≥ 140°
GREY LEVEL	≥ 16 bit
COLOUR TEMPERATURE	5 500 – 15 000 K, adjustable
REFRESH RATE	≥ 3 840 Hz
FRAME RATE	≥ 60 Hz
DRIVING METHOD	Static

Power & control

POWER CONSUMPTION	240 W/m² avg · 800 W/m² max
POWER REQUIREMENTS	220 V ±10% · AC 50 Hz
POWER SUPPLY BRAND	YUANCHI
CONTROL SYSTEM	Colorlight / Novastar · sync & async

Reliability

AVERAGE LIFESPAN	≥ 100 000 h
ATTENUATION RATE	< 0.05% over 2 years
TROUBLE-FREE OPERATION	≥ 10 000 h
LED FAILURE RATE	≤ 1 / 10 000

Environment & installation

IP RATING	IP45
STORAGE ENVIRONMENT	−40 to +85 °C · 10 – 90% RH
OPERATING ENVIRONMENT	−10 to +65 °C · 10 – 90% RH
INSTALLATION	Adhered to glass, hanging or fixed installation. Can be cut to any size and bent.

02 — PIXEL PITCH 3.91 MM

PH3.91

FOSFOR LED MESH holographic screen

The balance between resolution and transparency. Reference model for large windows and atriums.

TYPICAL USE

Large shop windows · atriums · lobbies · events

3.91 mm	75%	1 500–5 000	384 × 64
PIXEL PITCH	TRANSPARENCY (MIN.)	BRIGHTNESS CD/M²	PX PER 1500 × 250 MM STRIP



SIMULATED VIEW · 3.91 MM PITCH



Same scale (1:8) on the three models to compare pixel density. Simulation, not contractual.

Display

PIXEL PITCH	3.91 × 3.91 mm
PIXEL DENSITY	65 536 px/m²
LED CHIP	SMD2020
STANDARD STRIP	1500 × 250 mm · 1200 × 250 mm · custom
RESOLUTION / STRIP	384 × 64 px (1500 mm)
THICKNESS	1 – 3 mm
WEIGHT	3 kg/m²
TRANSPARENCY	> 75%

Image

BRIGHTNESS	1 500 – 5 000 cd/m²
VIEWING DISTANCE	3 m – 250 m
VIEWING ANGLE	H ≥ 160° · V ≥ 140°
GREY LEVEL	≥ 16 bit
COLOUR TEMPERATURE	5 500 – 15 000 K, adjustable
REFRESH RATE	≥ 3 840 Hz
FRAME RATE	≥ 60 Hz
DRIVING METHOD	Static

Power & control

POWER CONSUMPTION	240 W/m² avg · 800 W/m² max
POWER REQUIREMENTS	220 V ±10% · AC 50 Hz
POWER SUPPLY BRAND	YUANCHI
CONTROL SYSTEM	Colorlight / Novastar · sync & async

Reliability

AVERAGE LIFESPAN	≥ 100 000 h
ATTENUATION RATE	< 0.05% over 2 years
TROUBLE-FREE OPERATION	≥ 10 000 h
LED FAILURE RATE	≤ 1 / 10 000

Environment & installation

IP RATING	IP45
STORAGE ENVIRONMENT	−40 to +85 °C · 10 – 90% RH
OPERATING ENVIRONMENT	−10 to +65 °C · 10 – 90% RH
INSTALLATION	Adhered to glass, hanging or fixed installation. Can be cut to any size and bent.

03 — PIXEL PITCH 6.25 MM

PH6.25

FOSFOR LED MESH holographic screen

Maximum transparency. The glass stays glass; the image is made to be seen from a distance.

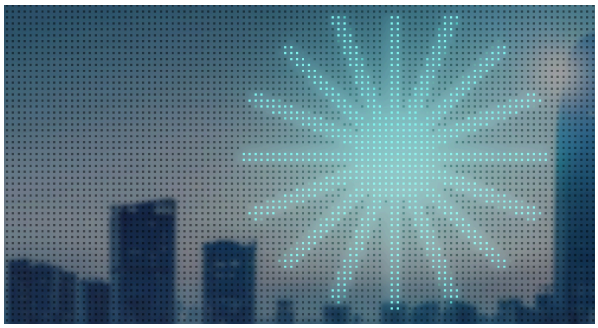
TYPICAL USE

Façades · curtain walls · large volumes · airports

6.25 mm	85%	1 500–5 000	240 × 40
PIXEL PITCH	TRANSPARENCY (MIN.)	BRIGHTNESS CD/M²	PX PER 1500 × 250 MM STRIP



SIMULATED VIEW · 6.25 MM PITCH



Same scale (1:8) on the three models to compare pixel density. Simulation, not contractual.

Display

PIXEL PITCH	6.25 × 6.25 mm
PIXEL DENSITY	25 600 px/m²
LED CHIP	SMD2020
STANDARD STRIP	1500 × 250 mm · 1200 × 250 mm · custom
RESOLUTION / STRIP	240 × 40 px (1500 mm)
THICKNESS	1 – 3 mm
WEIGHT	3 kg/m²
TRANSPARENCY	> 85%

Image

BRIGHTNESS	1 500 – 5 000 cd/m²
VIEWING DISTANCE	8 m – 250 m
VIEWING ANGLE	H ≥ 160° · V ≥ 140°
GREY LEVEL	≥ 16 bit
COLOUR TEMPERATURE	5 500 – 15 000 K, adjustable
REFRESH RATE	≥ 3 840 Hz
FRAME RATE	≥ 60 Hz
DRIVING METHOD	Static

Power & control

POWER CONSUMPTION	240 W/m² avg · 800 W/m² max
POWER REQUIREMENTS	220 V ±10% · AC 50 Hz
POWER SUPPLY BRAND	YUANCHI
CONTROL SYSTEM	Colorlight / Novastar · sync & async

Reliability

AVERAGE LIFESPAN	≥ 100 000 h
ATTENUATION RATE	< 0.05% over 2 years
TROUBLE-FREE OPERATION	≥ 10 000 h
LED FAILURE RATE	≤ 1 / 10 000

Environment & installation

IP RATING	IP45
STORAGE ENVIRONMENT	−40 to +85 °C · 10 – 90% RH
OPERATING ENVIRONMENT	−10 to +65 °C · 10 – 90% RH
INSTALLATION	Adhered to glass, hanging or fixed installation. Can be cut to any size and bent.