PALAMI
LED TECHNOLOGIES

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PALAMI-MediaWINDOW

2017

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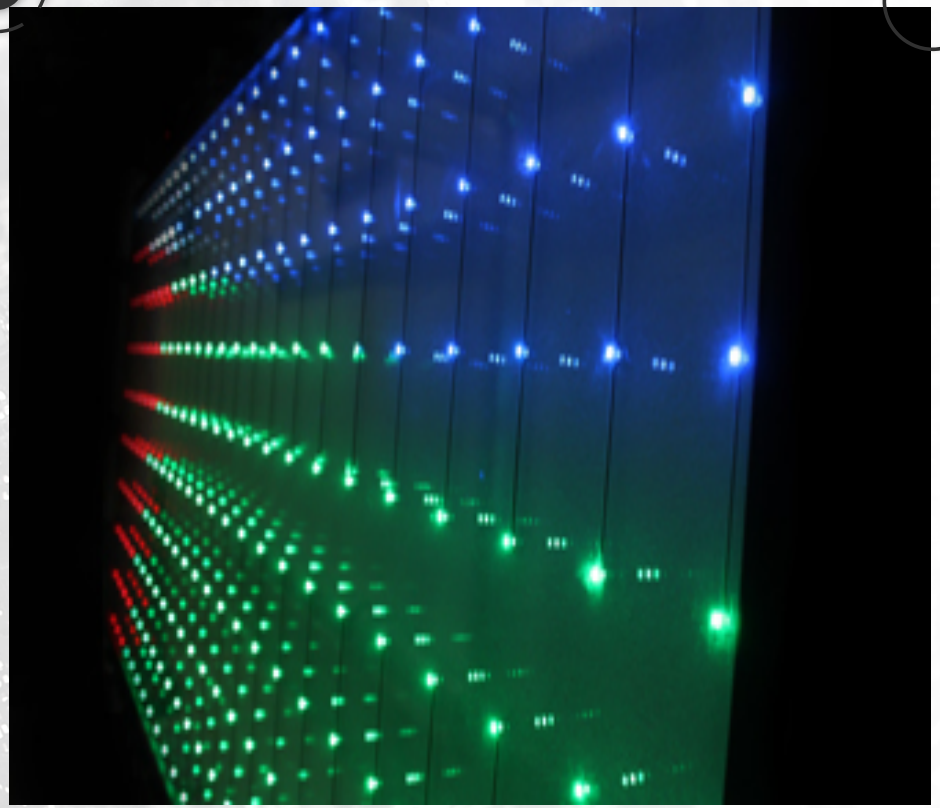

Description

PALAMI-MediaWINDOW is based on the integration of small LEDs between two panels of a double-glazed window. Together they combine in one big integrated solution. This screen can display HD videos, HD images, live broadcasting and other media information. What is more, it can also be as a building lighting option. Solution doesn`t change the architectural conception. Therefore, it could be integrated into all kind of buildings (existing ones and under construction ones).

PALAMI-MediaWINDOW

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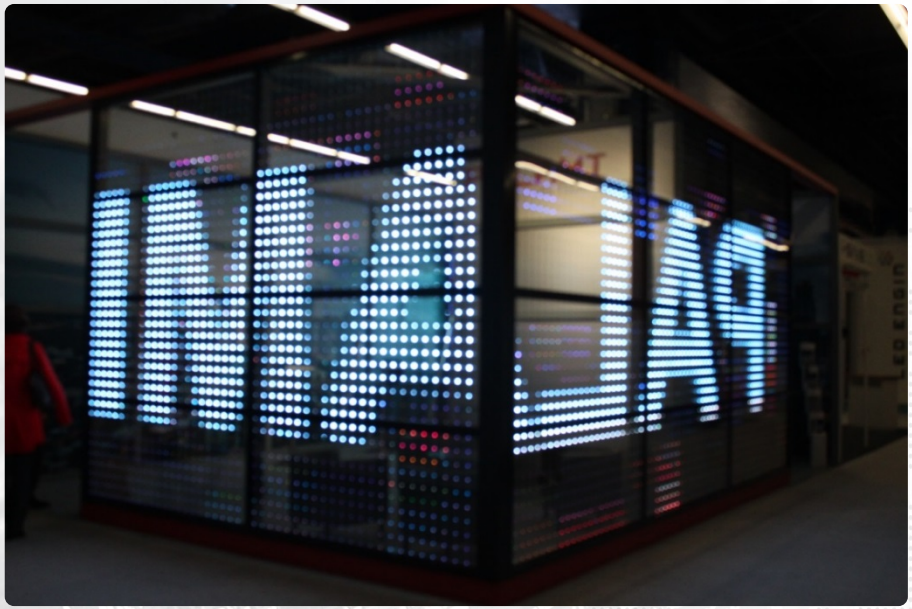

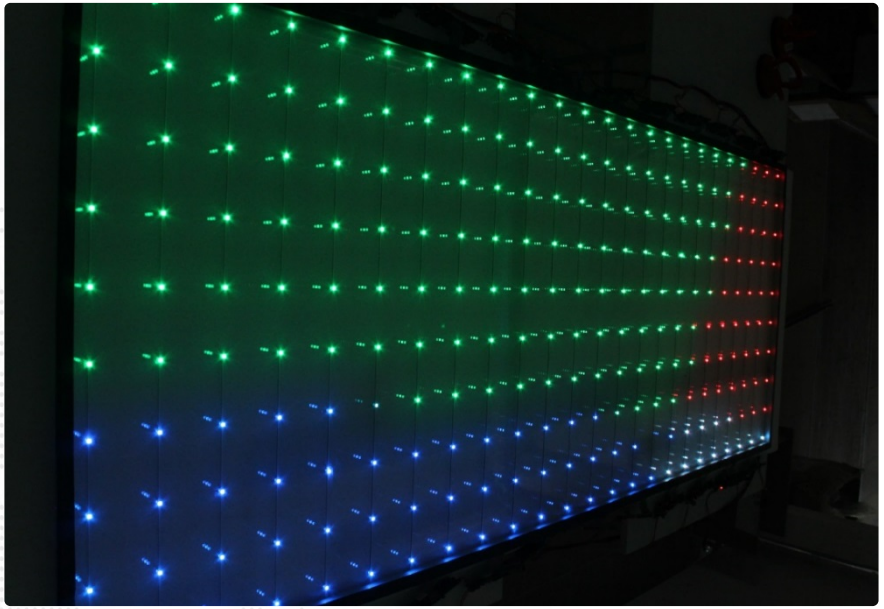

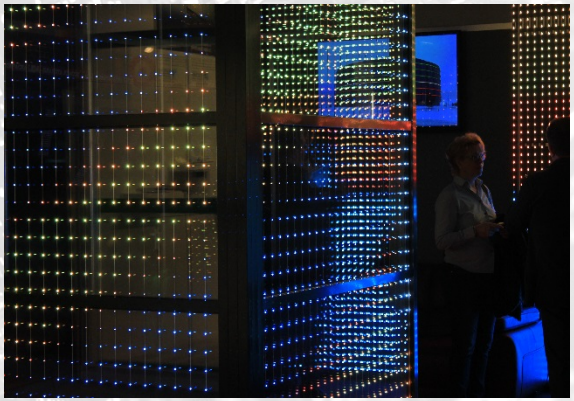

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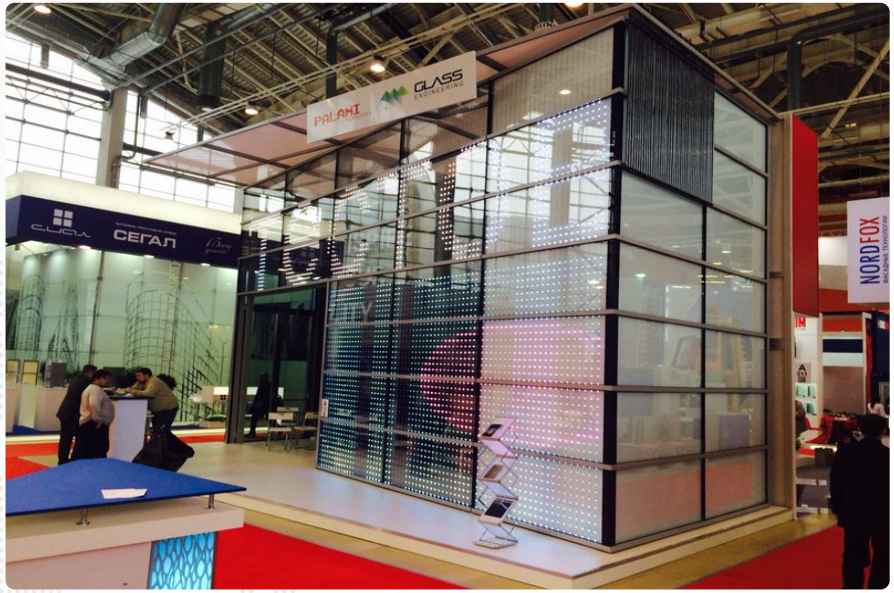

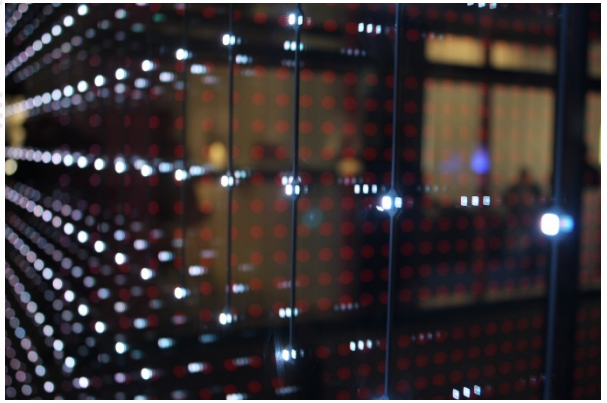

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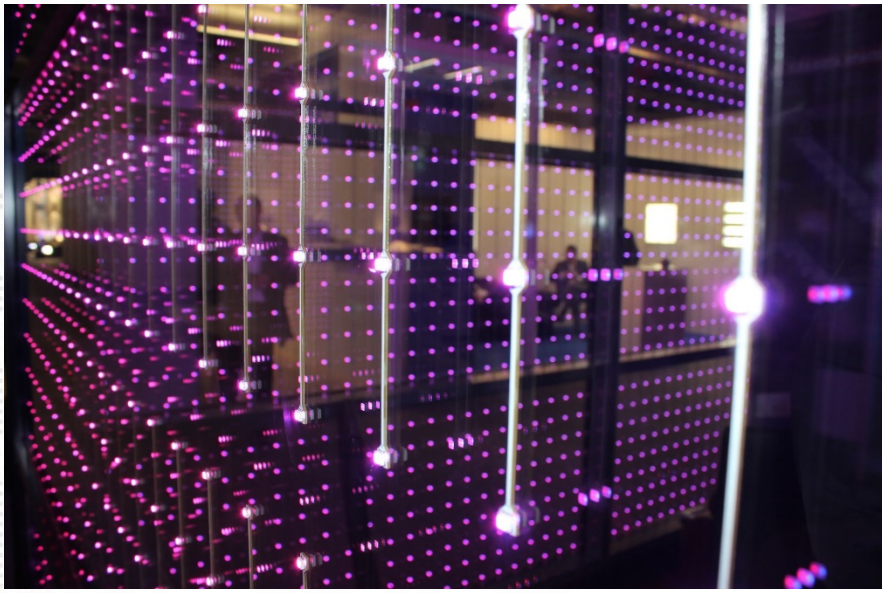

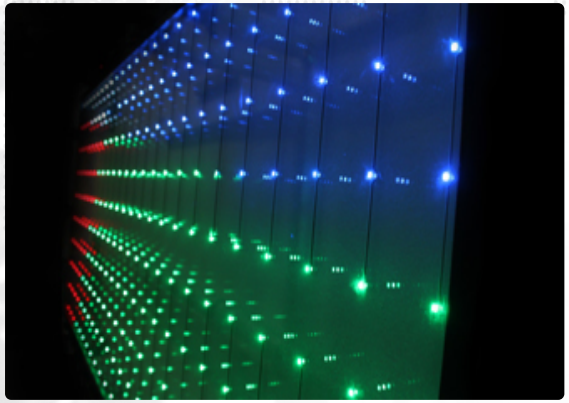

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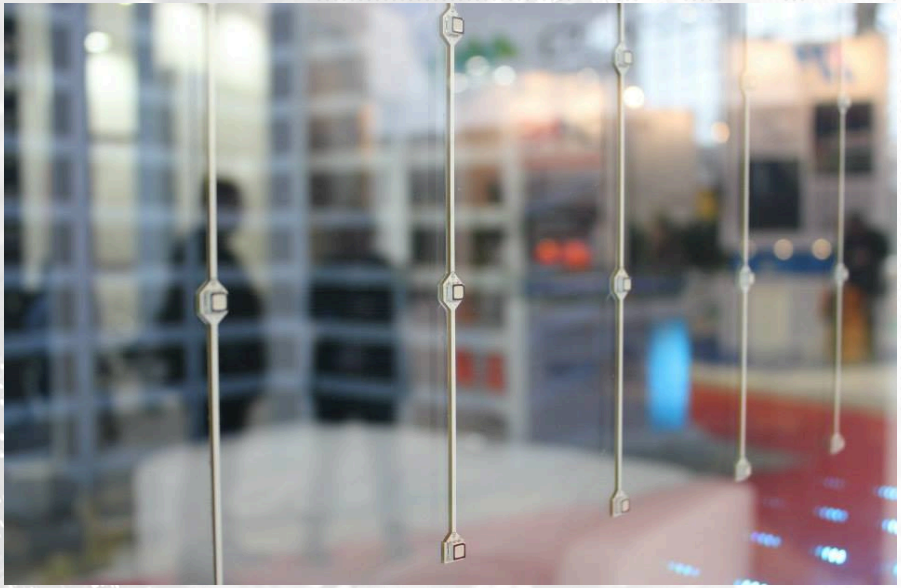
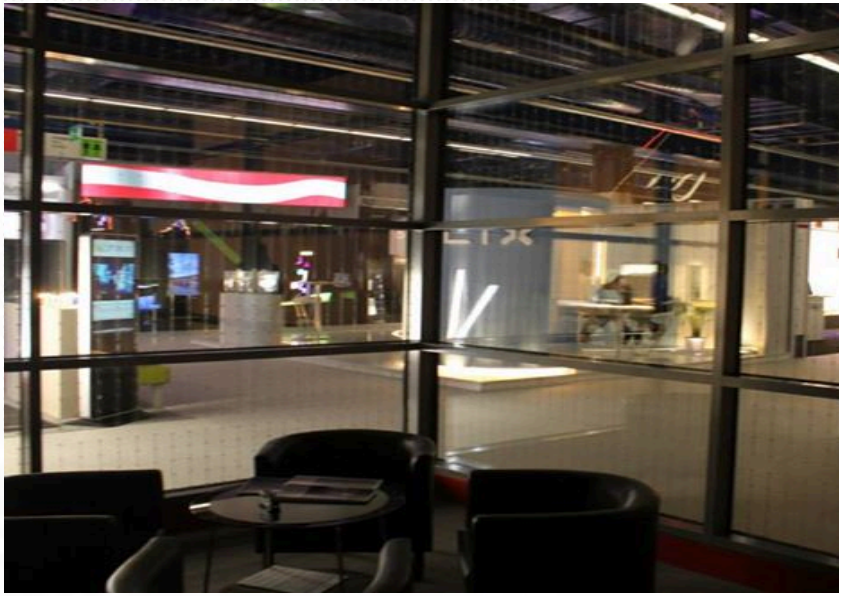
Because of our unique system of integrated LEDs, the screen is barely visible from inside of the building. The staff and the visitors of the building do not feel any discomfort or influence of the installation between the window panels, because the installation is discreet and the lighting does not give reflection on the inside of the building.





Production of MediaWINDOW

PALAMI has launched the production of PALAMI-MediaWINDOW in the one of the largest plants of glass in Latvia - Transparence, which was founded in 2003 and successfully operates in the market for over 12 years. Following the trends of glass processing, Tranparence has become a strong company with high quality products and services, and has gained good reputation among customers in Latvia and abroad.

The main activities of Transparence – production of glass units construction, glass processing, tempering glass, fire-resistant glass, glass cutting and much more. The company works with certified materials in accordance with ISO 9001. Tranparence is offering multifunctional glass from Guardian, Pilkington, AGC (Glaverbel), Saint-Gobaine, Euroglas and from other major glass manufacturers in the world. Transparence is getting it directly from the manufacturers.

Benefits

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- Advertisement & Decoration
- Evening and night time visibility
- Transparency up to 99%
- No additional construction on the building
- All size and shape screen
- UV protected
- Temperature as normal window package
- Easy to assemble
- Easy to wash
- Easy to maintain and install
- Controlled by computer
- High brightness
- No noise
- Resistance to water
- Cost effective
- Low power consumption

Technical Specification

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Parameter	PALAMI-MediaWINDOW-20	PALAMI-MediaWINDOW-40	PALAMI-MediaWINDOW-60	PALAMI-MediaWINDOW-80
Physical pixel pitch, vertical/ horizontal, mm	20 /20	40 / 40	60 / 60	80 / 80
Pixel configuration	1(RGB)			
Transparency	>90 %	>97%	>98%	>99%
Brightness, Cd/m2, not less than	7400	1850	820	460
Color depth, millions, more than	16,7			
Viewing angle horizontal/ vertical	120º / 120º			
Electric power supply	AC100~240V(50-60Hz)			
Maximum power consumption, kW/m2	0.57	0.14	0.064	0.036
Average operational power consumption, kW/m2	0.288	0.056	0.0256	0.0144
Ingress protection	Like glass package			
Lifetime, not less than (hours)	80 000			

Technical Specification

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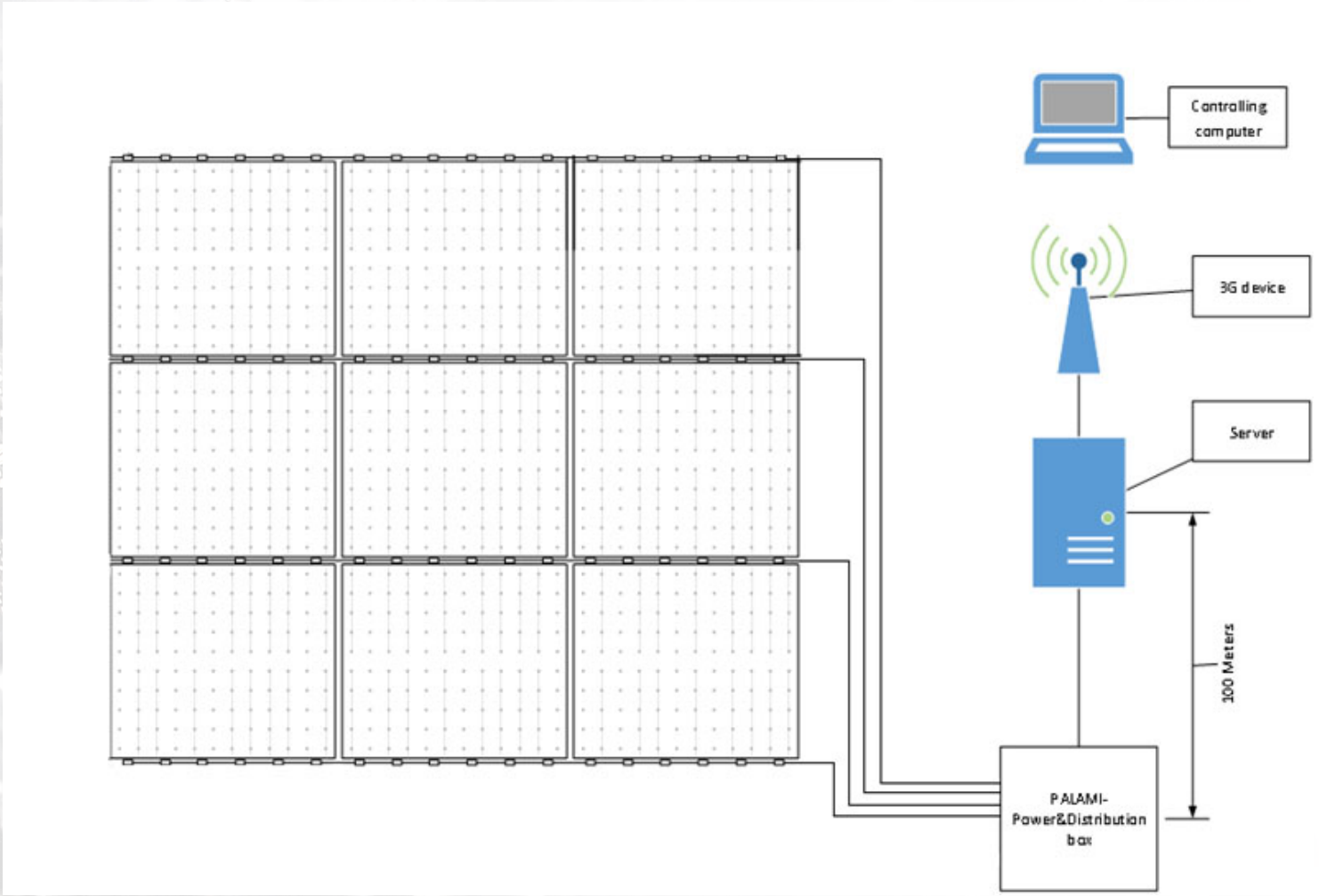
Parameter	PALAMI-MediaWINDOW-100	PALAMI-MediaWINDOW-120	PALAMI-MediaWINDOW-160	PALAMI-MediaWINDOW-200
Physical pixel pitch, vertical/horizontal, mm	100 /100	120 / 120	160 / 160	200/ 200
Pixel configuration	1(RGB)			
Transparency	>99 %	>99%	>99%	>99%
Brightness, Cd/m2, not less than	300	200	120	75
Color depth, millions, more than	16,7			
Viewing angle horizontal/ vertical	120º / 120º			
Electric power supply	AC100~240V(50-60Hz)			
Maximum power consumption, kW/m2	0.023	0.016	0.009	0.006
Average operational power consumption, kW/m2	0.0092	0.0064	0.0036	0.0024
Ingress protection	Like glass package			
Lifetime, not less than (hours)	80 000			

Electric Power Supply

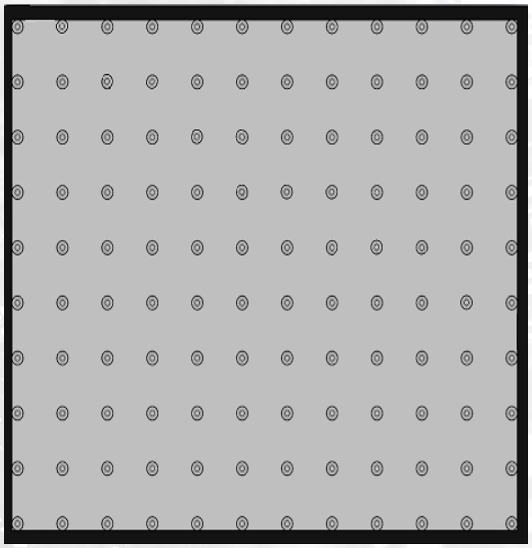
PALAMI-MediaWINDOW

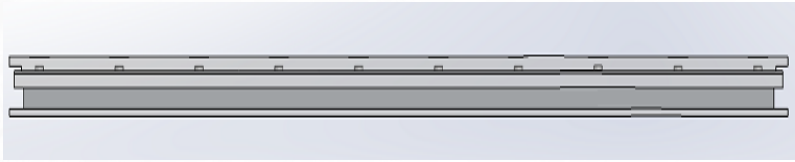


Electric Power Supply

PALAMI- MediaWINDOW solution can be implemented at any thickness of glass and glazing for any option to suit customers' requiremnets and project documentation. Glass thickness of PALAMI-MediaWINDOW is from 5 mm.

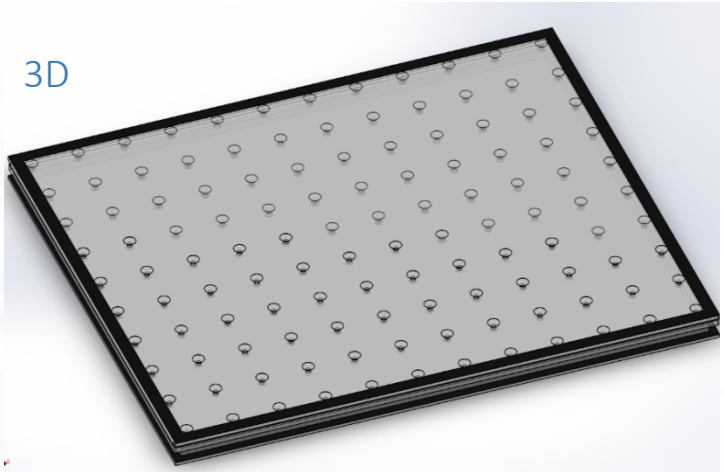
Front view





Side view

3D



Latest projects

In January 2017 a large scale project of PALAMI-MediaWINDOW-20 was implemented in a cooperation with Hansab AS. The next generation glass screen was installed for three-story elevator in Viru Keskus Shopping Centre, which has the largest number of visitors in Estonia. Despite the small pixel step the solution remains transparent at about 90% from the inside of the elevator and is well perceivable when approaching from different angles.