



2F LEUCHTEN
A world of unique lighting

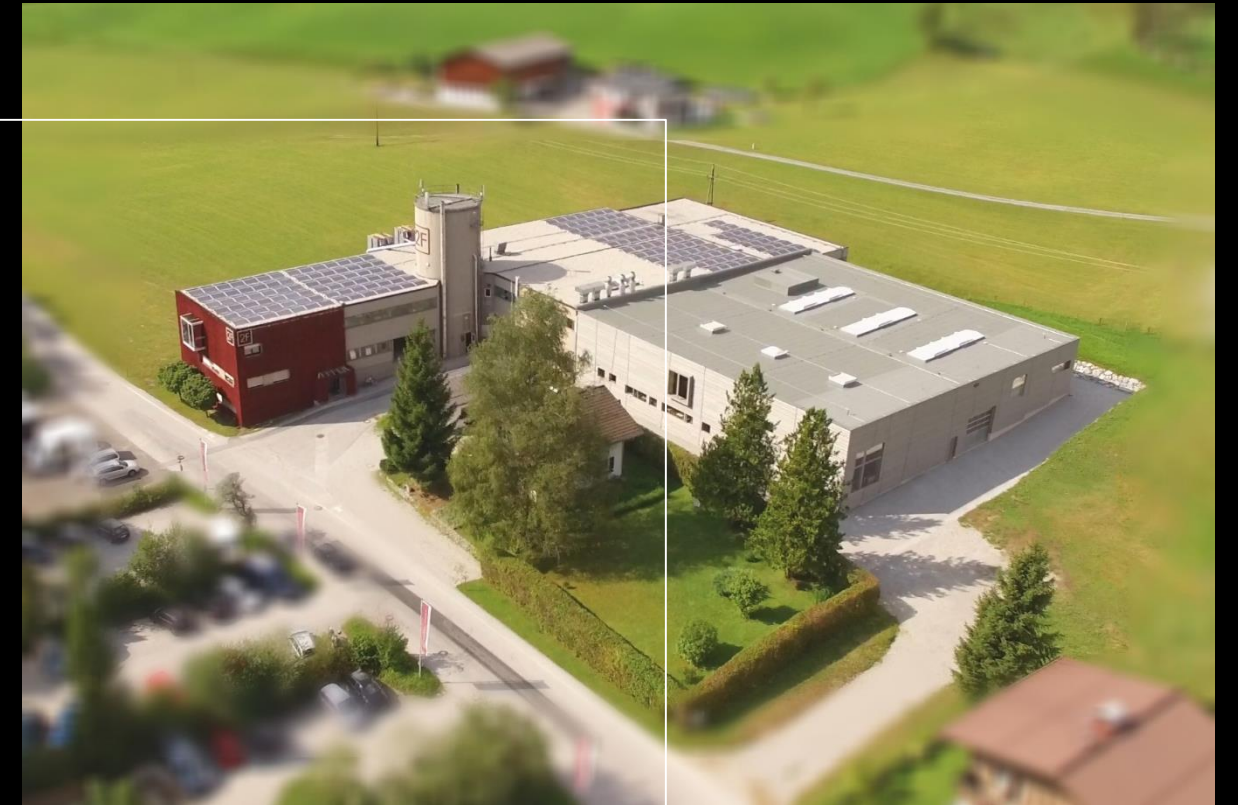
**PROJECT SOLUTION
LED SCRREN**

Agenda

ABOUT 2F LEUCHTEN

SOLUTIONS

CASE STUDY

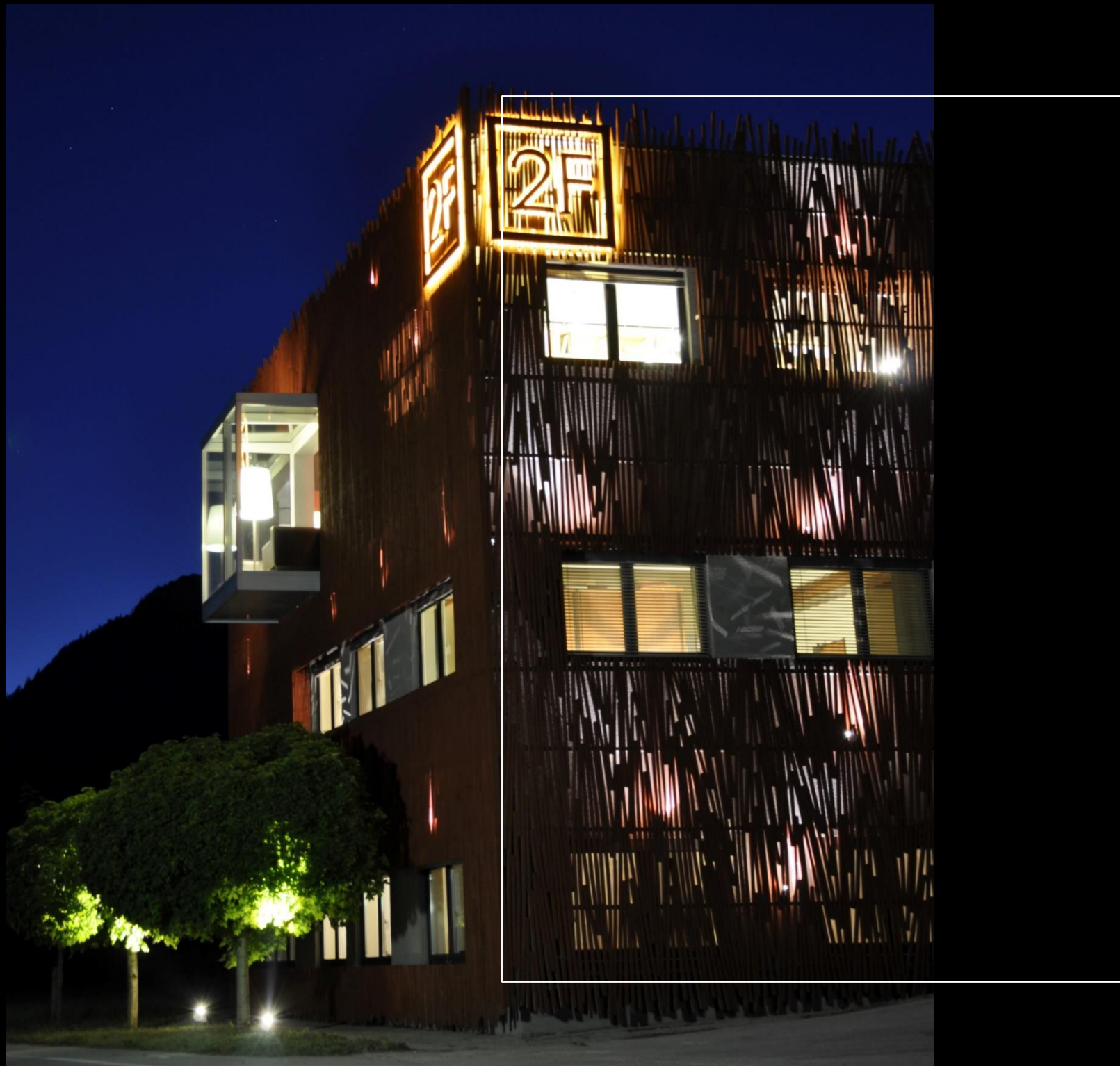


ABOUT OUR BACKGROUND



- Situated in the Salzburg mountains, Austria
- was founded in 1972
- Employs more than 80 highly motivated people
- together they unite the various skills: Locksmiths, painter, carpenter, tailors, electrical engineers, mechanical engineers, and lighting

2F is a factory that can reinvent itself again and again. It seems every single manufactured model as an experience and an opportunity to build new ways to produce unique lighting.





"N+X" redundancy

"3-to-1" full color

Mini LED

Smart mask-free EFI

Energy-saving

Advertising screen longlasting mask

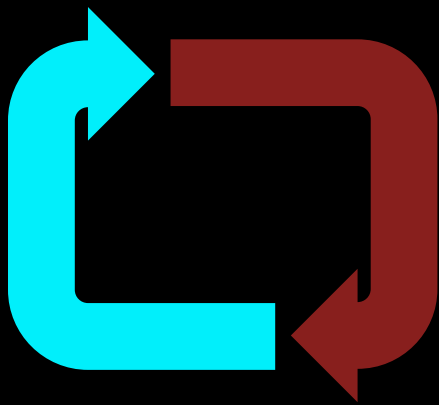
10 Leading Technologies

Non-shut-down fine-pitch LED

Advertising screen color consistency

5-axis & 3-dimensional fine machining

Fine-pitch die-casting cabinet fine machining



EMC lab

4% of annual turnover as R&D investment

State-level High-tech Enterprise

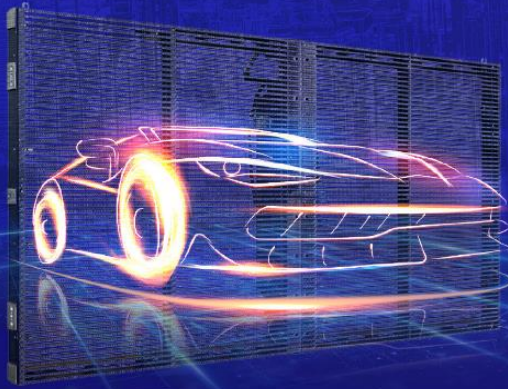
240+ national patents

3D prototyping processing center

REFERENCE PICTURES



SPECIFICATIONS



LWG Series

High-Protection Outdoor LED Grille Display

■ High Transparency

>55% transparency with high refresh rate brings optimal see-through view yet with smooth images in high clarity.

■ Born for Outdoor

The anti-collision glue-filling surface well resists water and dust, bringing IP65 high protection and unprecedented operational reliability.

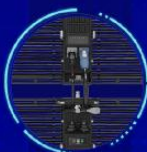
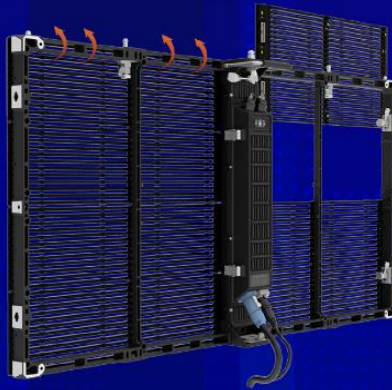


■ Easy Set-up & Maintenance

Ultra-light & thin modularized cabinet can be maintained from both front and rear, achieving time & labor-saving installation and serviceability.

■ High Energy Efficiency

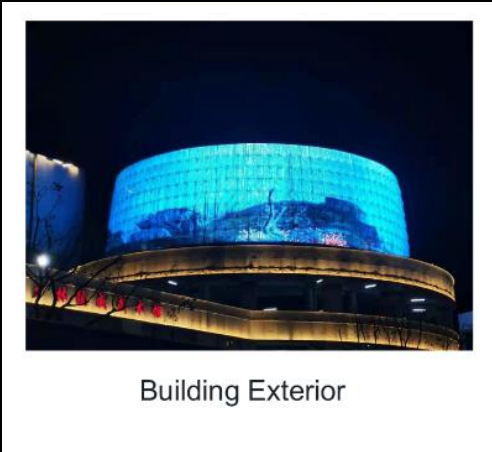
Hollowed-out aluminum-made frame brings excellent heat dissipation and high energy efficiency for outdoor applications.



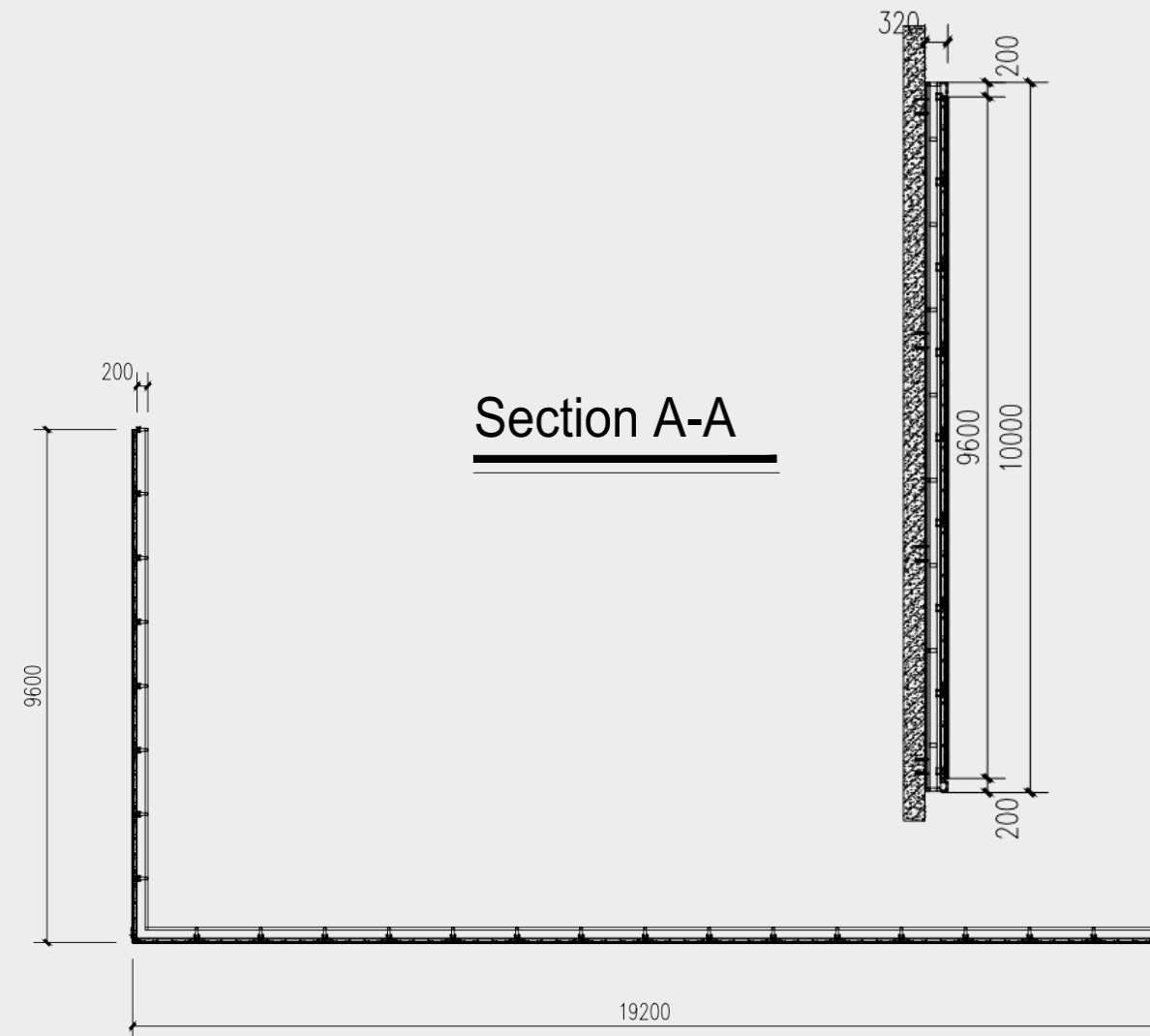
LWG SERIES

Specifications

Model	LWG 3.9X7.8
Pixel Pitch (mm)	3.9X7.8
Pixel Density (Pixels/m²)	32768
LED Type	SMD
Module Size W×H (mm)	500x250
Module Resolution W×H	128x32
Panel Size W×H (mm)	1000x500
Panel Resolution W×H	256x128
Panel Material	Die-casting aluminum
Weight (Kg/m²)	15
Brightness (nits)	4500
Brightness Adjustment	Programmable / Automatic / Manual
Viewing Angle (H/V)	120° / 120°
Gray Scale (bit)	14
Refresh Rate (Hz)	3840
Frame Rate (Hz)	50 / 60
Contrast Ratio	3000:1
Color Temperature (K)	2000 ~ 10000 (Adjustable)
Voltage (V)	AC 110-220
Average Power Consumption (W/m²)	260
Maximum Power Consumption (W/m²)	800
Serviceability	Front / Rear
IP Rating	IP65
LED Lifetime (Hours)	100000



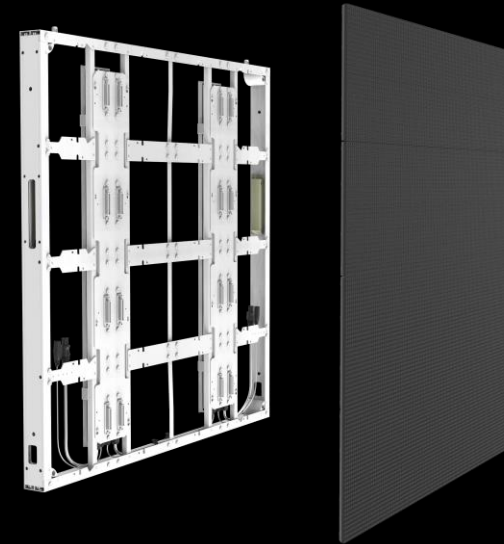
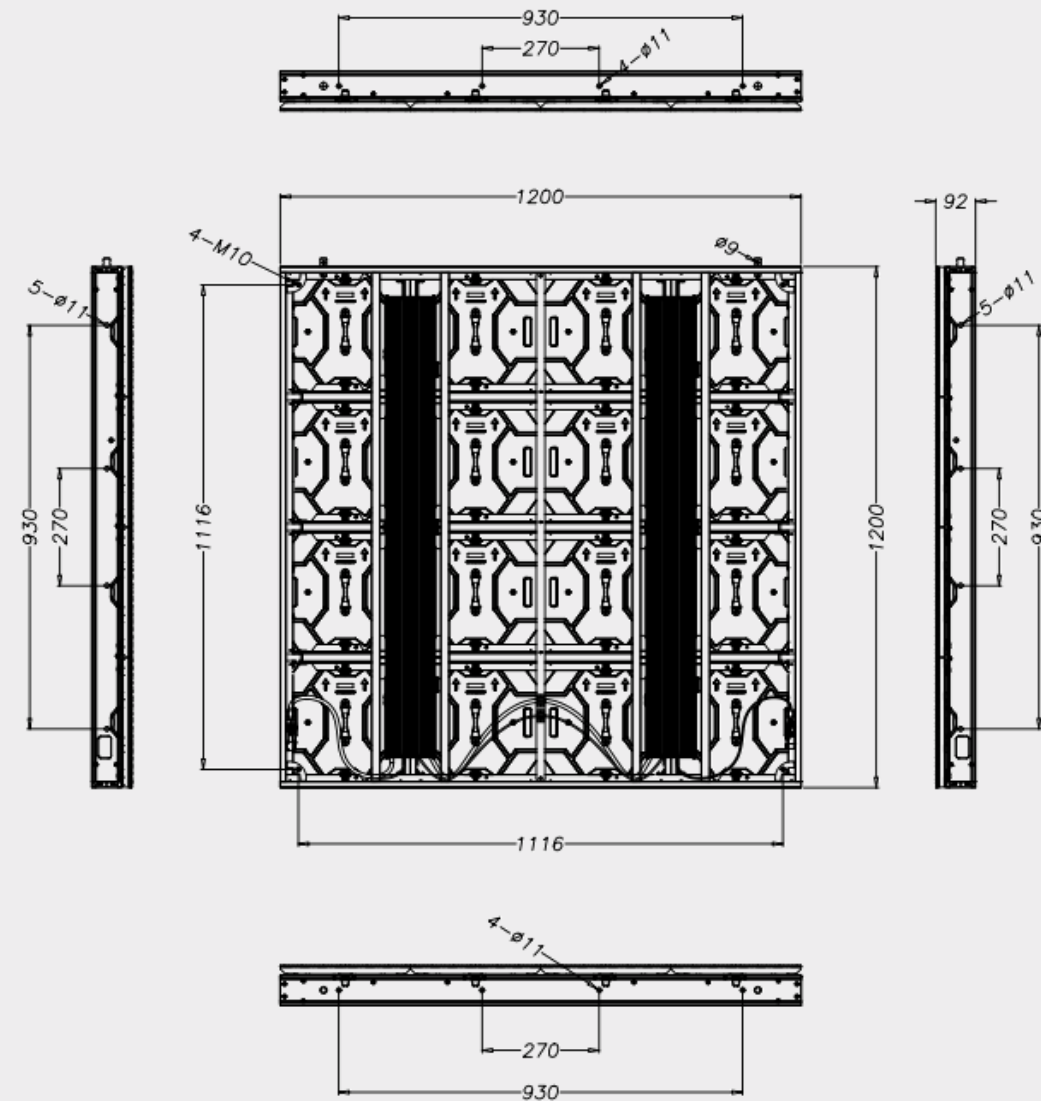
STRUCTURE



- **Screen size:** [19.2 m (L)+9.6 m (W)] x 9.6 m (H)
- **Area :** 276.48 m²
- **Whole screen weight (screen+structure) :** 17143 kg
- **Whole screen thickness (screen+structure) :** 320 mm
- **Whole screen power consumption (Max.) :** 235 KW
- **Whole screen power consumption (Average) :** 59 KW

HERCULES SERIES

PRODUCT



Pixel pitch PH10

LED lamp SMD3535 golden wire

Cabinet size 1200*1200*90 mm

Cabinet weight 27 Kg/m²

Brightness 8000 cd/m²

Protection level IP65

Maintenance front

Max. power consumption 850 W/m²

Average/working power consumption 212 W/m²

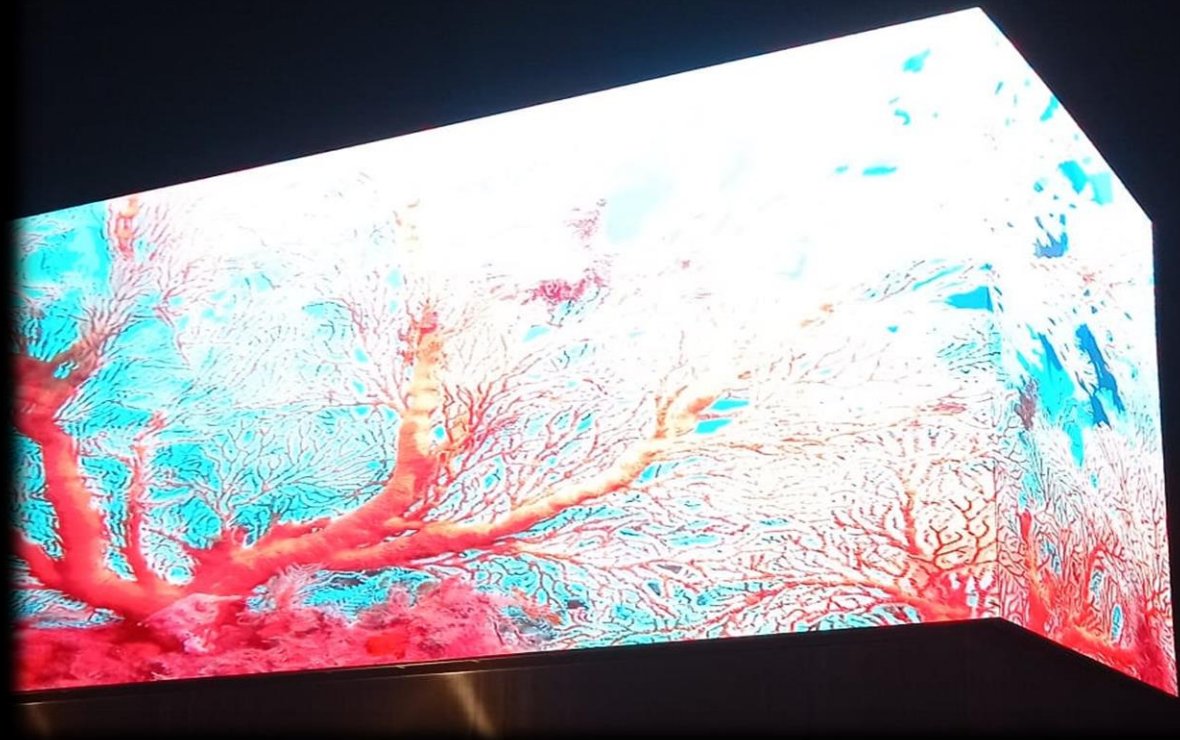
NECC BAHRAIN

- Exhibition and Convention Center, Bahrain
- Lighting Concept, Decorative and technical lights, Light-Managements System and installation
- 4.5 Mio. €, 2023
- Government Bahrain, Tilke, Cebarco



NECC BAHRAIN

- Pixel Pitch: P5
- Screen Size: 276,48m²
- L9600mm-19200mm-10000mm
- Completion Date: 2023



NECC BAHRAIN

- Pixel Pitch: P5
- Screen Size: 245,76m²
- L25600mm-9600mm
- Completion Date: 2023



DUBAI CITY WALK

- Pixel Pitch: P10 & P6
- Screen Size: 2000m²



NEW GIZA, EGYPT

- Pixel Pitch: P32
- Screen Size: 1210m²
- Completion Date: 2008

Regarded as “one of the top seven LED wonders of the world”





2F Leuchten Gesm.b.H
Pichl 118
5441 Abtenau

+43 6243 2407
office@2f-leuchten.com
www.2f-leuchten.com

