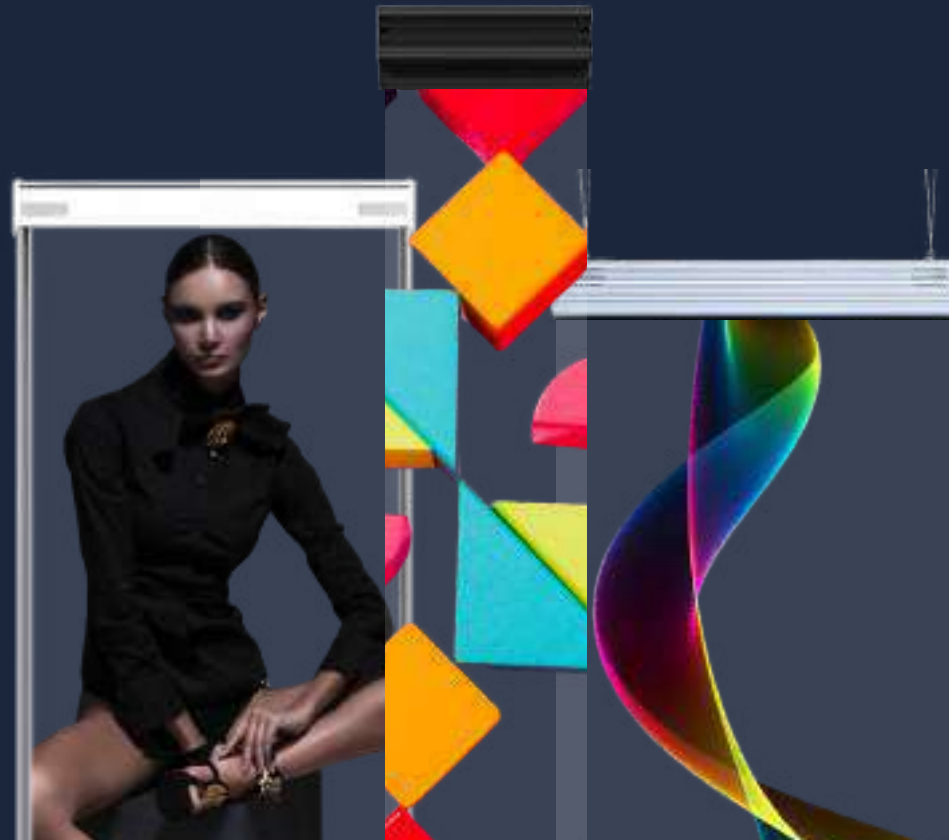


TH SERIES

Holographic Transparent LED Displays



High Transparency
Indoor and Outdoor
Thickness and Lightweight



TH-M SERIES

Adhesive Holographic Transparent LED Display



70-90%

Top transparency



1,2-1,63 kg / module

Super lightweight



1,8 mm

Ultra-thin



3.840 Hz

High refresh rate



1.200 - 5.000 nits

Wide brightness range



100.000 hours

Long service life

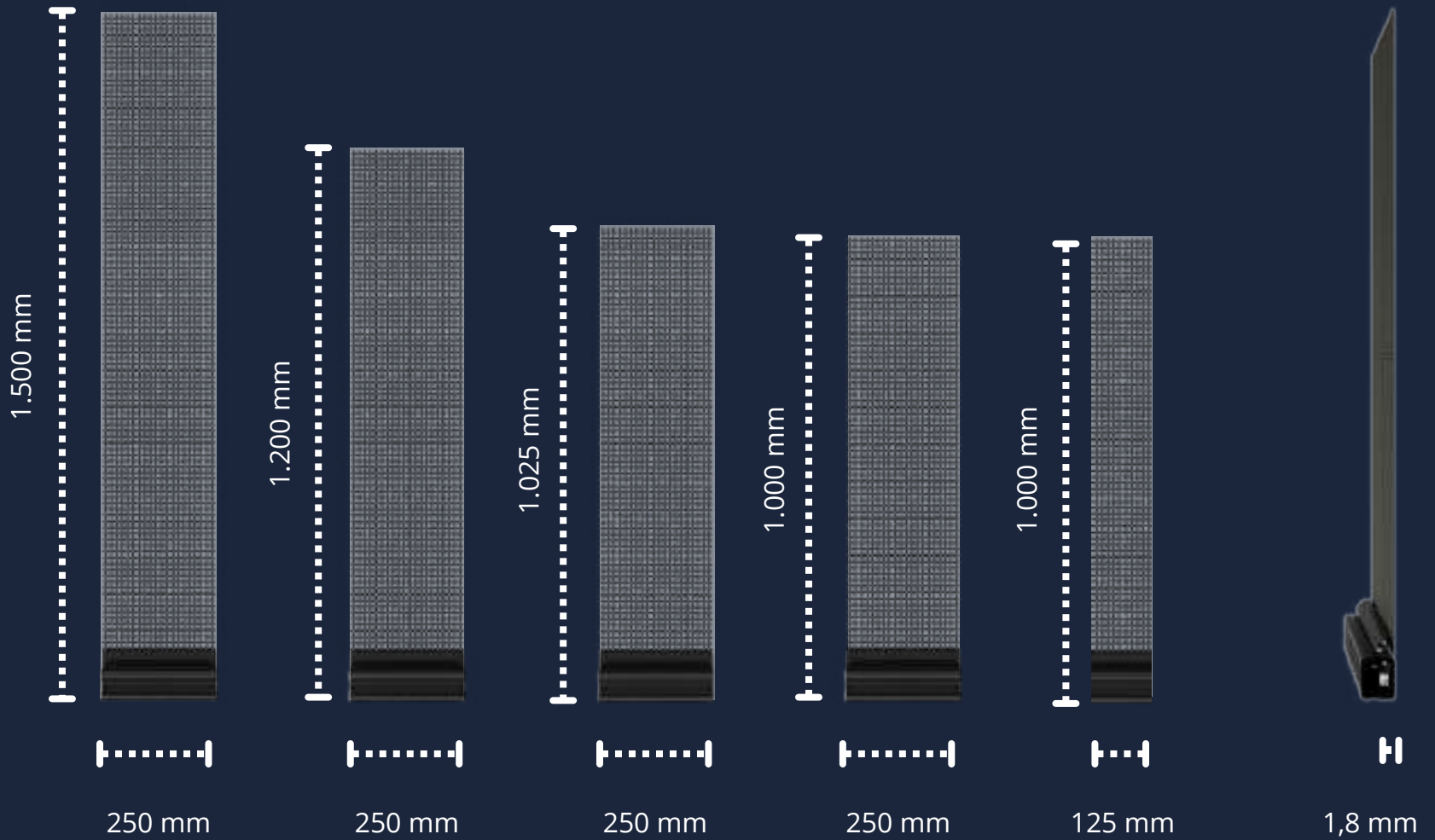


Standard module design

Quick and seamless splice multiple screen sizes

The thinnest screen box

1,8 mm thickness



Flexibility

Suitable for irregular or curved glass
Can be spliced by all their sides



Installation

Filmed or hanging
No frame nor skeleton
Achieve 2,4-3 m display height/width

Paste and play

Built-in sending card and power cables
Plug in and play



TH-M SERIES

Adhesive Holographic Transparent LED Display



Pixel Pitch (mm)	P2.5	P3.91	P6.25	P10
Module Size (mm)	125*1.000	250*1.025 / 250*1.200 / 250*1.500		250*1.000
Weight (kg/m ²)	6			
Thickness (mm)	1,8			
Pixel Density (dots/m ²)	160.000	65.536	25.600	10.000
Brightness (nits)	≥ 1200	≥ 3000	≥ 5000	≥ 4000
Transparency (%)	70	80	90	85
Refresh Rate (Hz)	3.840			
Gray Scale (bits)	16			
LED Lamp	SMD2020 RGB 3IN1			
Viewing Angle (°)	H 160, V 140			
Viewing Distance (m)	≥ 3		≥ 5	≥ 8
Protection	IP20			
Temperature (°C) / Humidity (% RH)	-20 ~ 50 / 20 ~ 85			
Input Voltage	AC 100 - 240V/50-60Hz			
maximum / Average Power Consumption (W/m ²)	800 / 300	1000 / 375		
Operating Time (hours)	≥ 10.000			
Life Span (hours)	≥ 100.000			
Installation Method	Filmed or hanging			
Maintenance Method	Front or rear			



TH-V SERIES

Adhesive Holographic Transparent LED Display



33-55%

High transparency



Indoor & Outdoor

Multiple applications



Flexible

Fit curved surfaces



7.680 Hz

High refresh rate



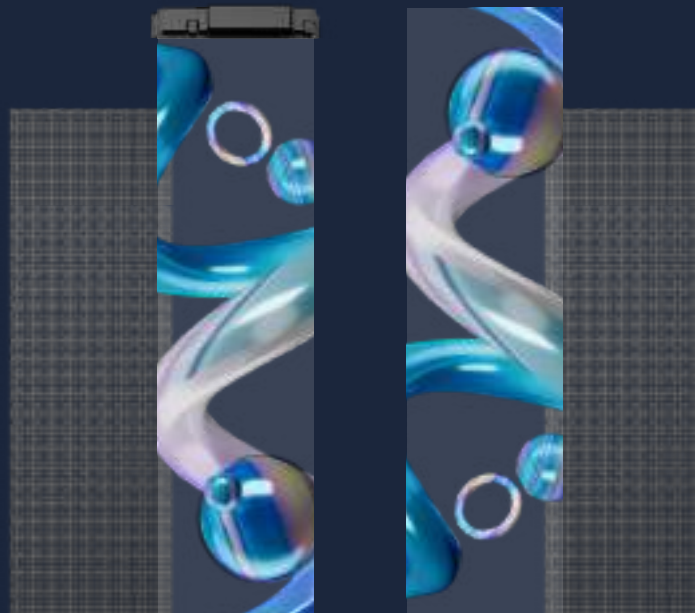
1.000 - 4.500 nits

Wide brightness range



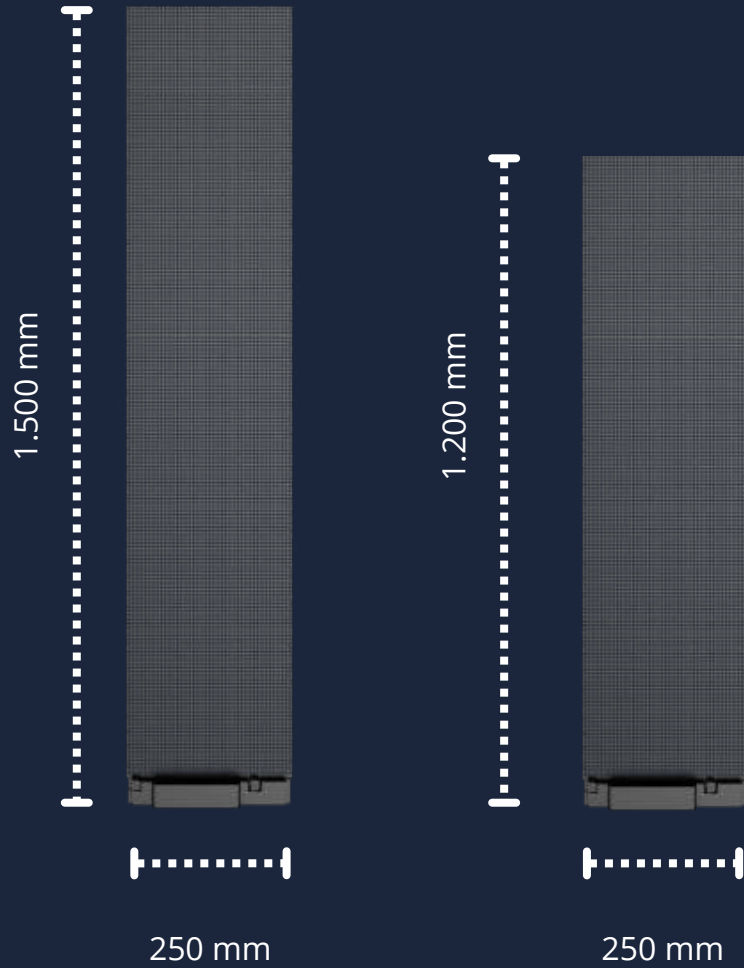
100.000 hours

Long service life



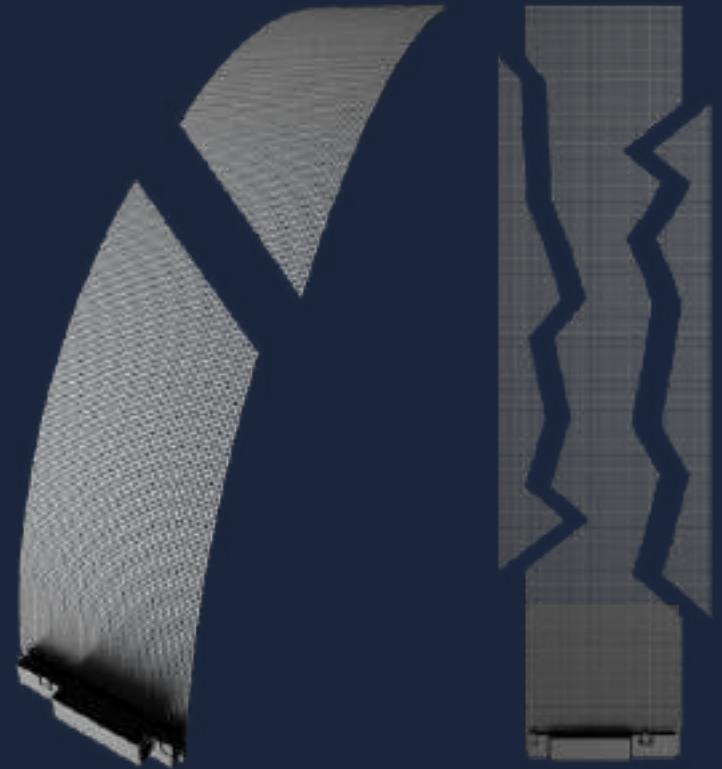
Standard module design

Two screen sizes
Quick and seamless splice



Unlimited creative special-shape cutting

Group length can be cut arbitrarily
between 120 and 150 cm, full



Improved performance

External driver chip

10 to 30 times less chip usage than integrated lamp-driver

Better permeability

Optimal heat dissipation



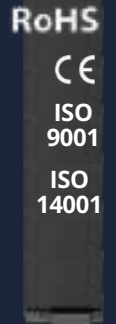
Easy installation

Filmed / Hanging



TH-V SERIES

Adhesive Holographic Transparent LED Display



Pixel Pitch	P4.81		P6.41	
	Indoor	Outdoor	Indoor	Outdoor
Module Size (mm)	1.200 x 250		1.500 x 250	
Brightness (nits)	1.000	4.500	800	4.200
Transparency (%)	33		55	
Refresh Rate (Hz)	3.840-7.680		5.760-7.680	
LED Lamp	SMD2020	SMD1921	SMD2020	SMD1921
Temperature (°C) / Humidity (% RH)	-40 ~ 75 / 20 ~ 80			
Input Voltage	AC 90 - 240V/50-60Hz			
Maximun / Average Power Consumption (W/m ²)	600 / 240	500 / 200	650 / 260	600 / 220
Operating Time (hours)	≥ 10.000			
Life Span (hours)	≥ 100.000			
Installation Method	Filmed or hanging			
Maintenance Method	Front or rear			



TH-V SERIES

Holographic Transparent LED Cabinets



40%

High transparency



Indoor & Outdoor

Multiple applications



Resistant

Reinforced frame



5.760 Hz

High refresh rate



4.500 nits

High brightness



100.000 hours

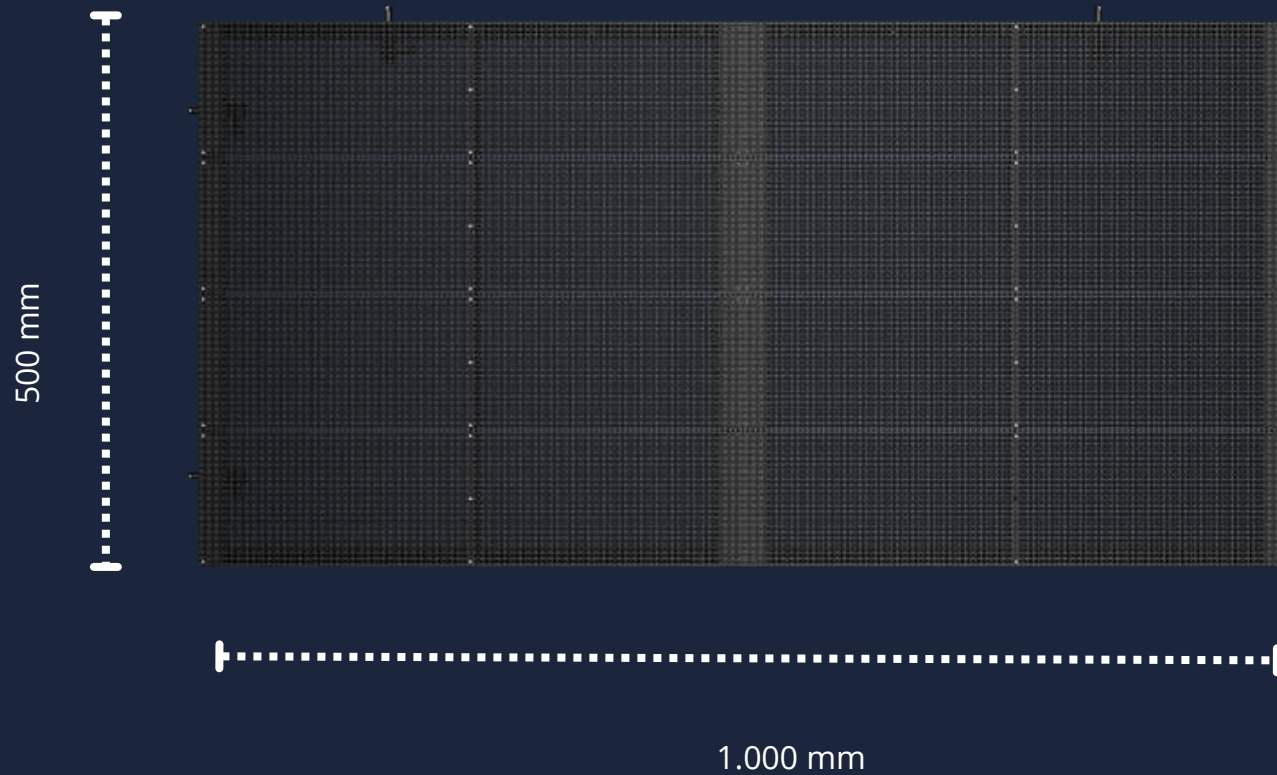
Long service life



Cabinets design

Reinforced frame box

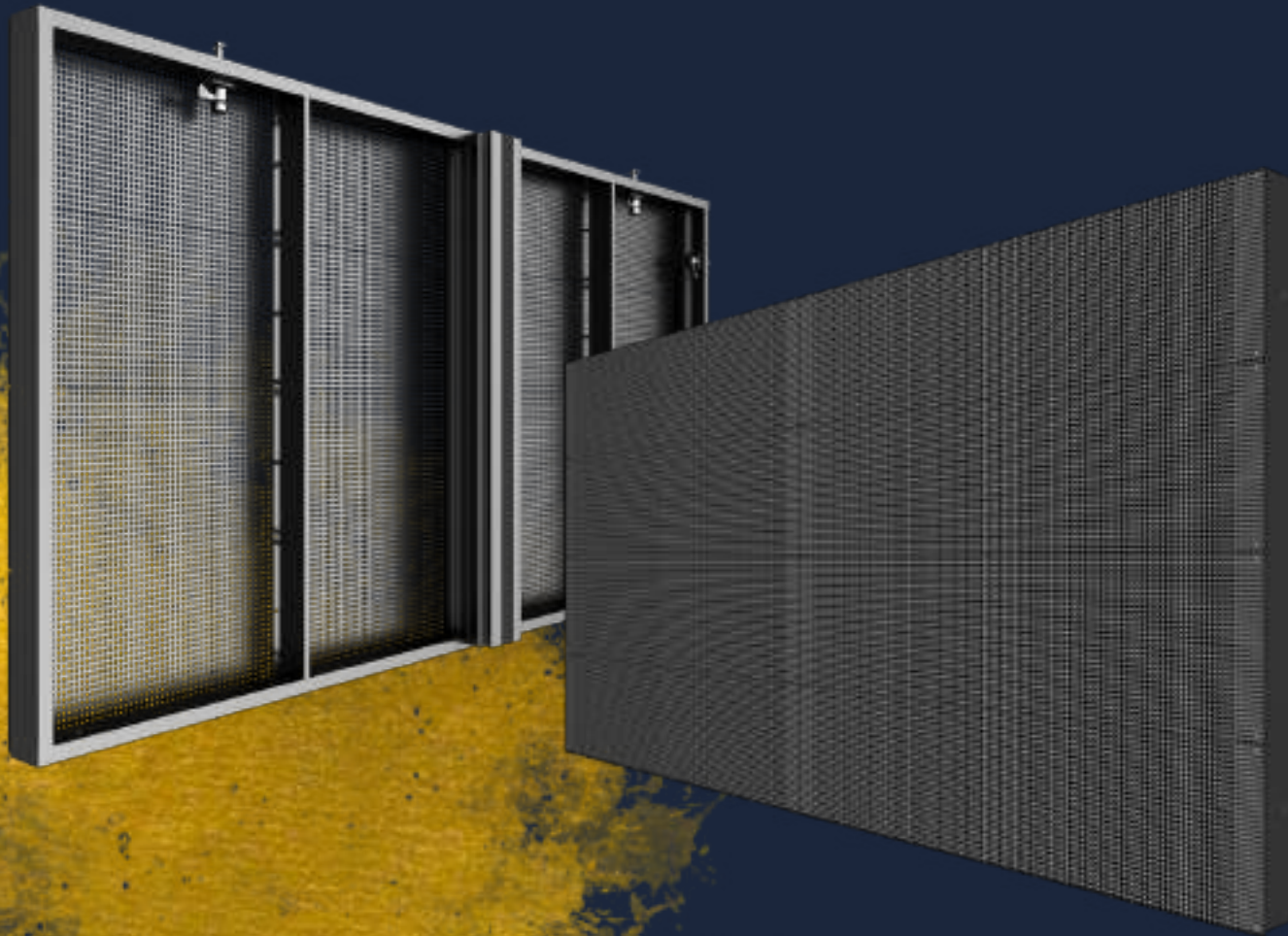
Superior strength than die-cast cabinets



Reinforced frame

Great robustness

Superior torsional and tensile strength compared to other die-cast screen cabinets



Efficient Installation and maintenance

Designed for fast setup



TH-V SERIES

Holographic Transparent LED Cabinets



Pixel Pitch	P4.81
Module Size (mm)	1.000 x 500
Brightness (nits)	4.500
Transparency (%)	40
Refresh Rate (Hz)	5.760
LED Lamp	SMD1921
Temperature (°C) / Humidity (% RH)	-40 ~ 75 / 20 ~ 80
Input Voltage	AC 90 - 240V/50-60Hz
Maximun / Average Power Consumption (W/m ²)	600 / 240
Operating Time (hours)	≥ 10.000
Life Span (hours)	≥ 100.000
Installation Method	Fixed



TH-V SERIES

Holographic Transparent LED Rental Display



50%
High transparency



Indoor & Outdoor
Multiple applications



Lightweight
Easy installation



7.680 Hz
High refresh rate



4.500 nits
High brightness



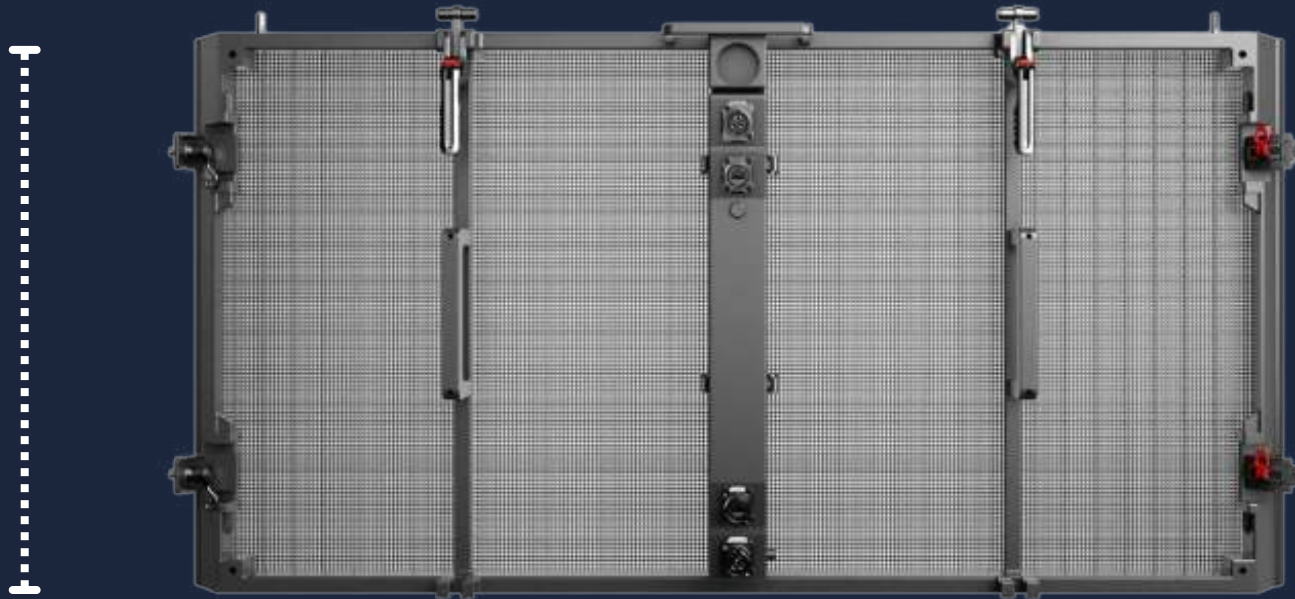
100.000 hours
Long service life



Rental cabinets design

Quick and seamless splice multiple screen sizes

500 mm



1.000 mm



Lightweight cabinets

Easy to assemble design

Pull-resistant top and bottom quick locks

Fast installation



TH-V SERIES

Holographic Transparent LED Rental Display

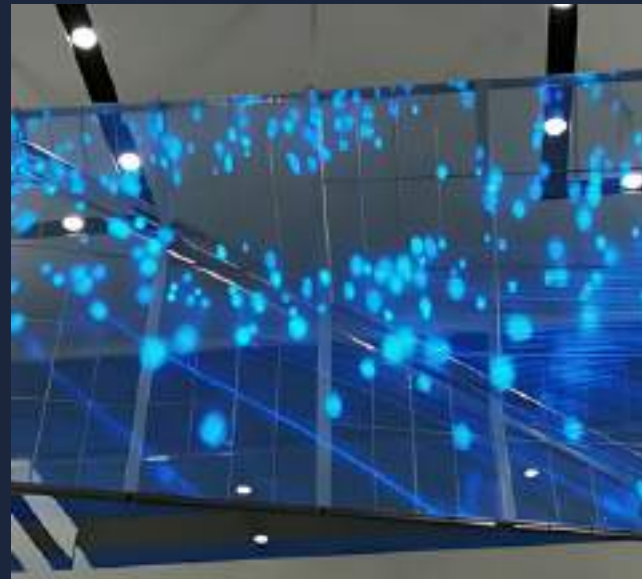


Pixel Pitch	P2.6	P3.91	P4.81
Module Size (mm)	1.000 x 500		
Brightness (nits)	4.200	4.800	4.500
Transparency (%)	36	50	
Refresh Rate (Hz)	7.680		
LED Lamp	SMD1010	SMD1415	
Temperature (°C) / Humidity (% RH)	-40 ~ 75 / 20 ~ 80		
Input Voltage	AC 90 - 240V/50-60Hz		
Maximun / Average Power Consumption (W/m ²)	600 / 240		
Operating Time (hours)	≥ 10.000		
Life Span (hours)	≥ 100.000		
Installation Method	Rental		



TH-M/V SERIES

Adhesive Holographic Transparent LED Display



TH-A SERIES

Holographic Transparent LED Display with frame



80%

High transparency



Optional wheels

Minimal installation



1,8 mm

Ultra-thin



3.840 Hz

High refresh rate



3.000 nits

High brightness



100.000 hours

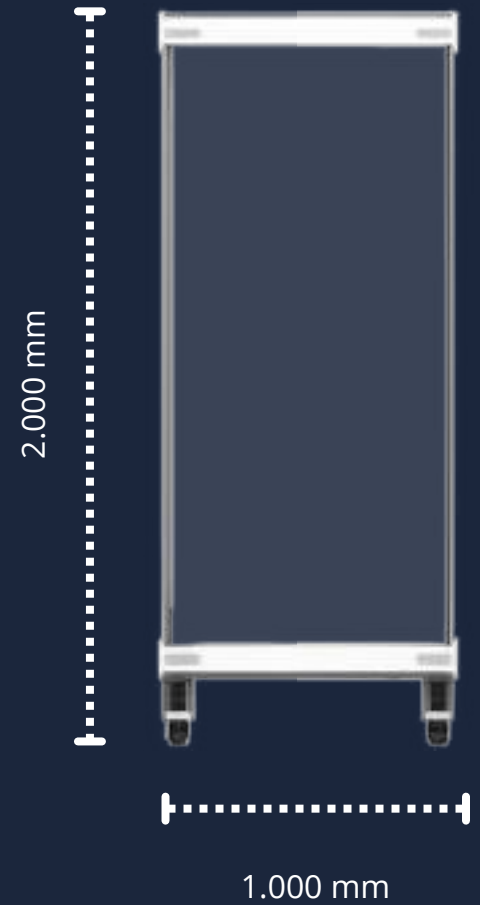
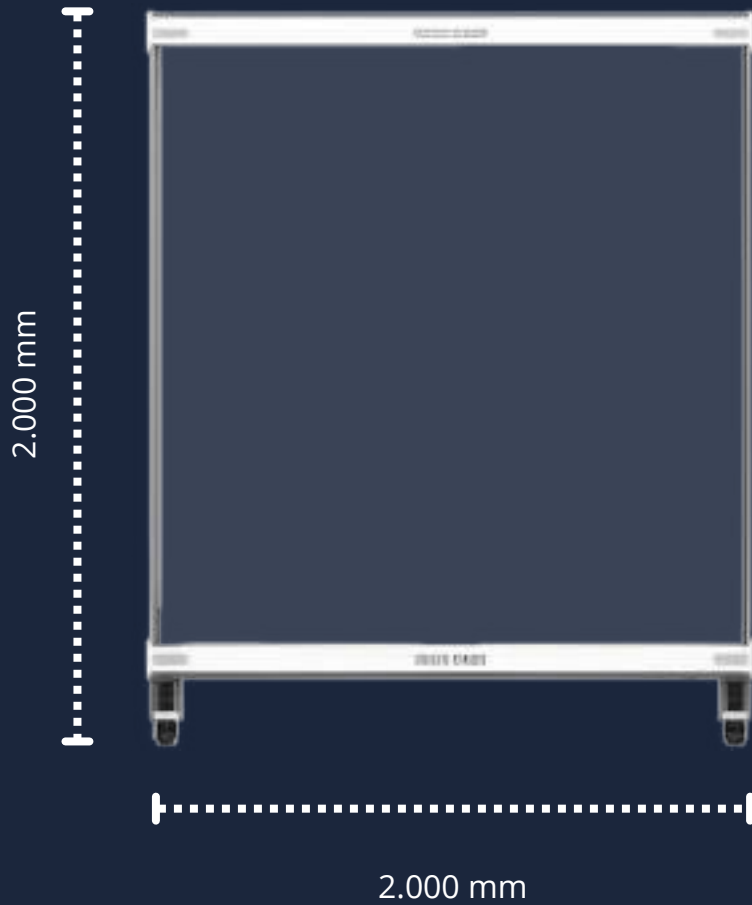
Long service life



Standard screen design
Square or rectangular frame

Ultra-thin screen box
1,8 mm

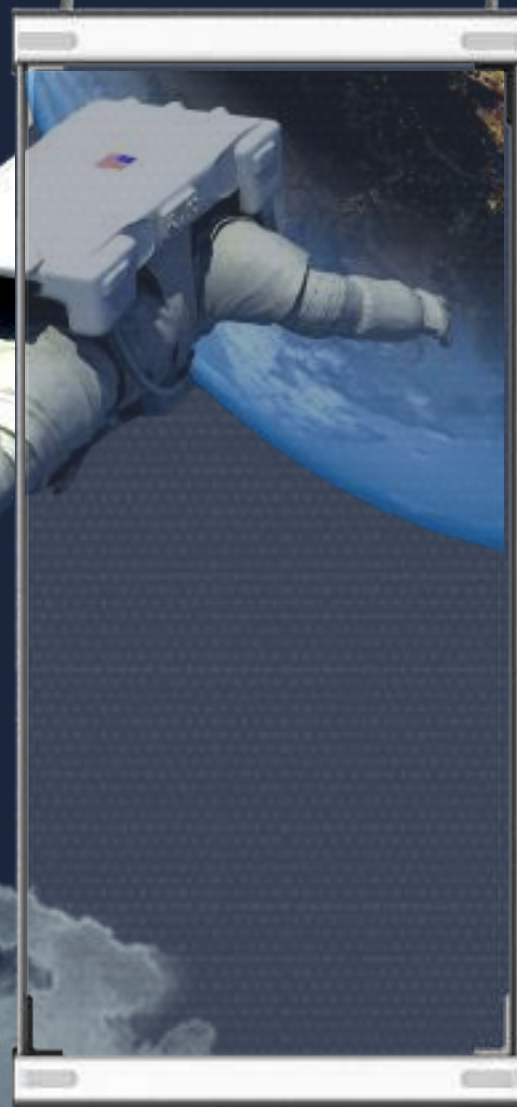
Screen size
2.000 x 2.000 / 1.000 x 2.000 mm



Easy installation

Lifting or vertical installation

Plug and play without assembly



Holographic technology

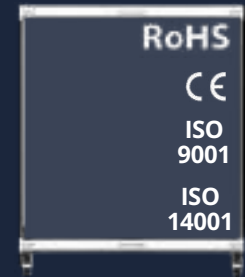
Inmersive floating imagery

Naked-eye AR display experience



TH-A SERIES

Holographic Transparent LED Display with frame



Pixel Pitch (mm)	P3.91
Screen Size (mm)	1.000*2.000 / 2.000*2.000
Profile Size (mm)	21*230*75 / 21*452*500
Weight (kg/screen and frame)	40 / 60
Thickness (mm)	1,8
Pixel Density (dots/m ²)	65.536
Brightness (nits)	≥ 3000
Transparency (%)	80
Refresh Rate (Hz)	3.840
Gray Scale (bits)	16
LED Lamp	SMD2020 RGB 3IN1
Viewing Angle (°)	H 160, V 140
Viewing Distance (m)	≥ 3
Protection	IP20
Temperature (°C) / Humidity (% RH)	-20 ~ 50 / 20 ~ 85
Input Voltage	AC 100 - 240V/50-60Hz
maximum / Average Power Consumption (W/m ²)	1000 / 375
Operating Time (hours)	≥ 10.000
Life Span (hours)	≥ 100.000
Installation Method	Hanging or floor standing (with wheels)
Maintenance Method	Front or rear



TH-A SERIES

Holographic Transparent LED Display with frame



TH-P SERIES

Holographic Transparent Poster LED Display



80%

High transparency



Standard structure

Minimal installation



87 mm

Ultra-thin



3.840 Hz

High refresh rate



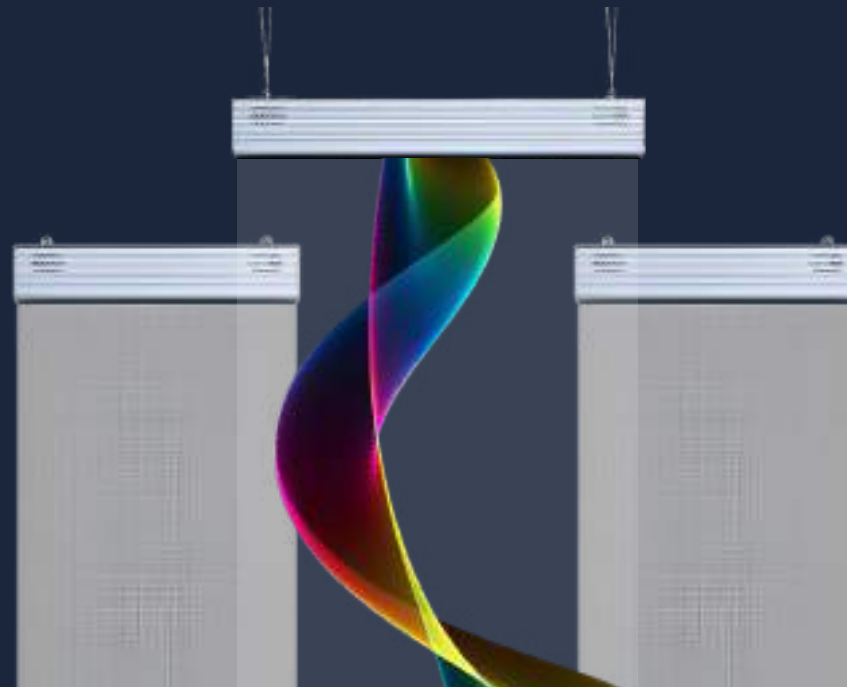
2.000 - 3.000 nits

High brightness



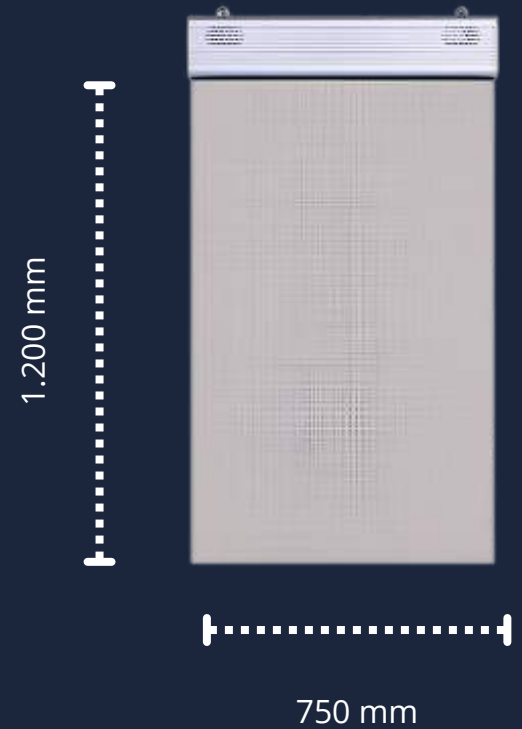
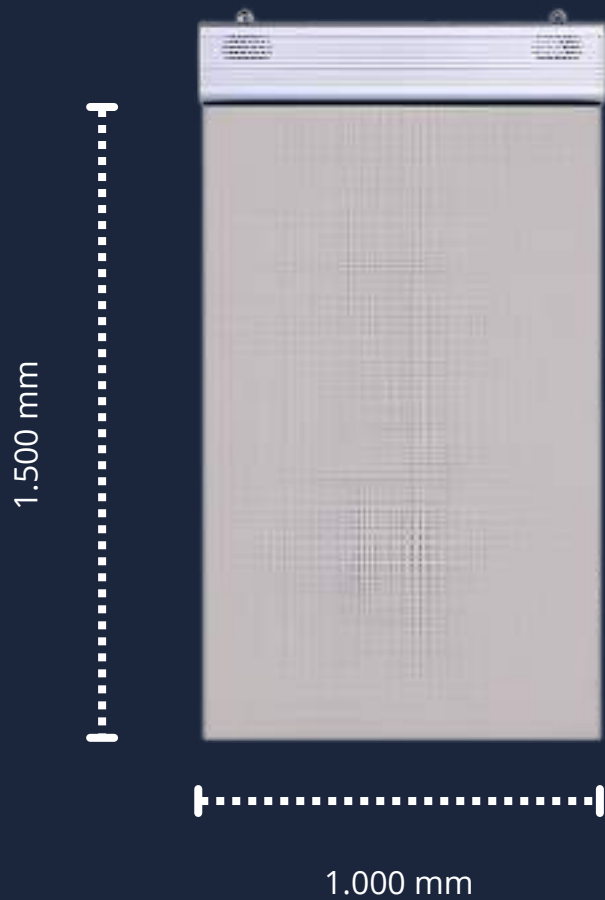
100.000 hours

Long service life



Standard screen design
Two display sizes available

Ultra-thin screen box
1,8 mm

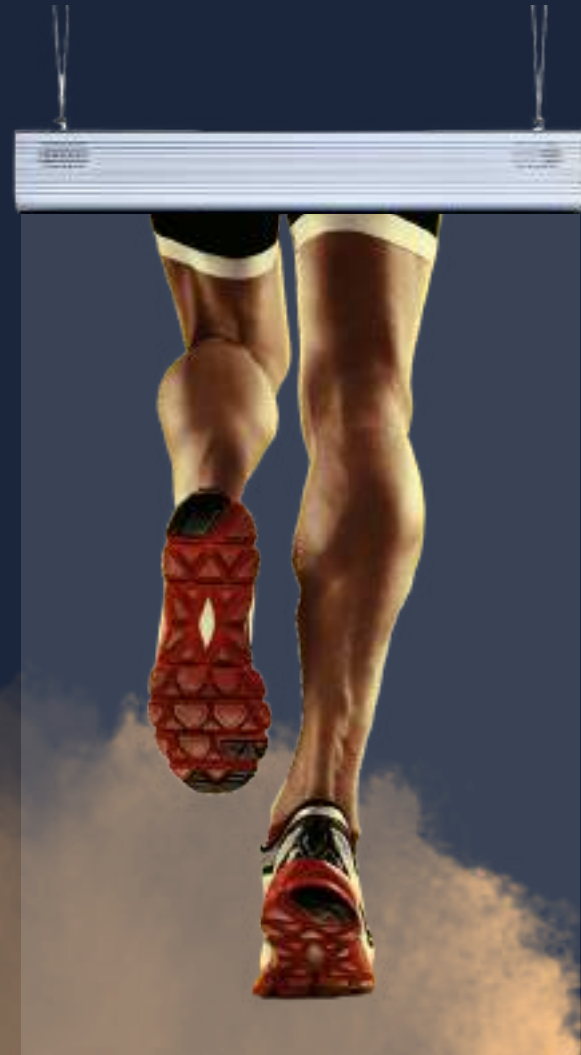


Easy installation

Standard hanging structure
Free combined size 55", 70", 100", 135"
to satisfy different display requirements

Top quality image

High resolution display
Rich and delicate colors
Stable video



Plug in and play

Standard all-in-one machine
Built-in sending card
Only one power supply cable



TH-P SERIES

Holographic Transparent Poster LED Display



Pixel Pitch (mm)	P3.91
Display Size (mm)	750*1200 / 1000*1500
Profile Size (mm)	766*1324 / 1016*1620
Cabinet Weight (kg)	11 without glass and 25 with glass / 14 without glass and 35 with glass
Thickness (mm)	1,8 screen - 87 upper bracket
Pixel Density (dots/m ²)	65.536
Resolution (dots)	192*300 / 256*376
Brightness (nits)	≥ 3.000 / ≥ 2.000
Transparency (%)	80
Gray Scale (bits)	16
Protection	IP20
Temperature (°C) / Humidity (% RH)	-20 ~ 50 / 20 ~ 85
Input Voltage	AC100~240V 50/60Hz
maximum / Average Power Consumption (W/m ²)	1000 / 375
Life Span (hours)	≥ 100.000
Hanging Structure Material	Aviation Aluminum Alloy
Installation Method	Hanging
Maintenance Method	Front or rear



TH-P SERIES

Holographic Transparent Poster LED Display





www.pantallasledlearoy.com

C/ Valdeon 24 - 28947 Fuenlabrada, Madrid (Spain)
+34 620 411 079 / +34 91 615 89 81
contacto@learoyled.com

