



PRODUCT CATALOGUE

LED displays. For events and installations.

TF and FW Series
Events • Fixed installations

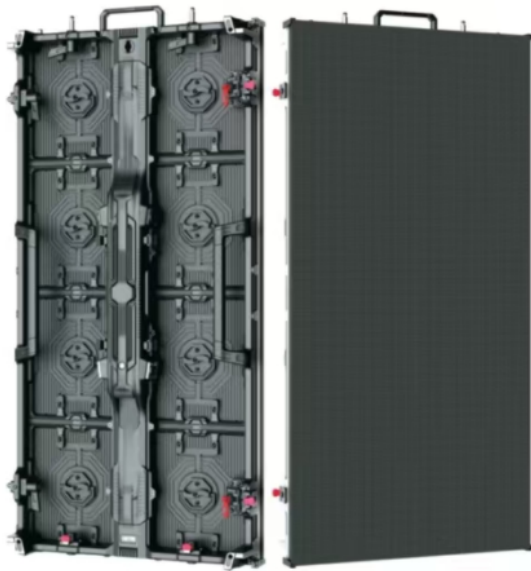
AVPLED.COM

TF / FW

PRODUCT PORTFOLIO

Solutions for events and fixed installations.

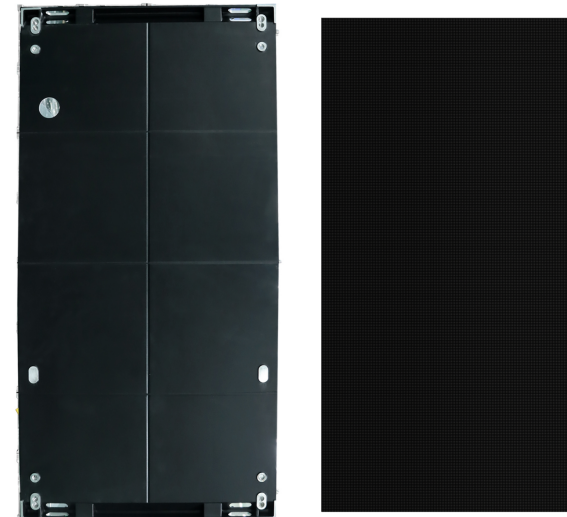
Product selection based on environment, mounting system and viewing distance.



01 / TF SERIES

Events and modular installations

Indoor and outdoor versions with 500 × 500 and 500 × 1,000 mm cabinets, connection locks and front service.



02 / FW SERIES

Indoor fixed installation

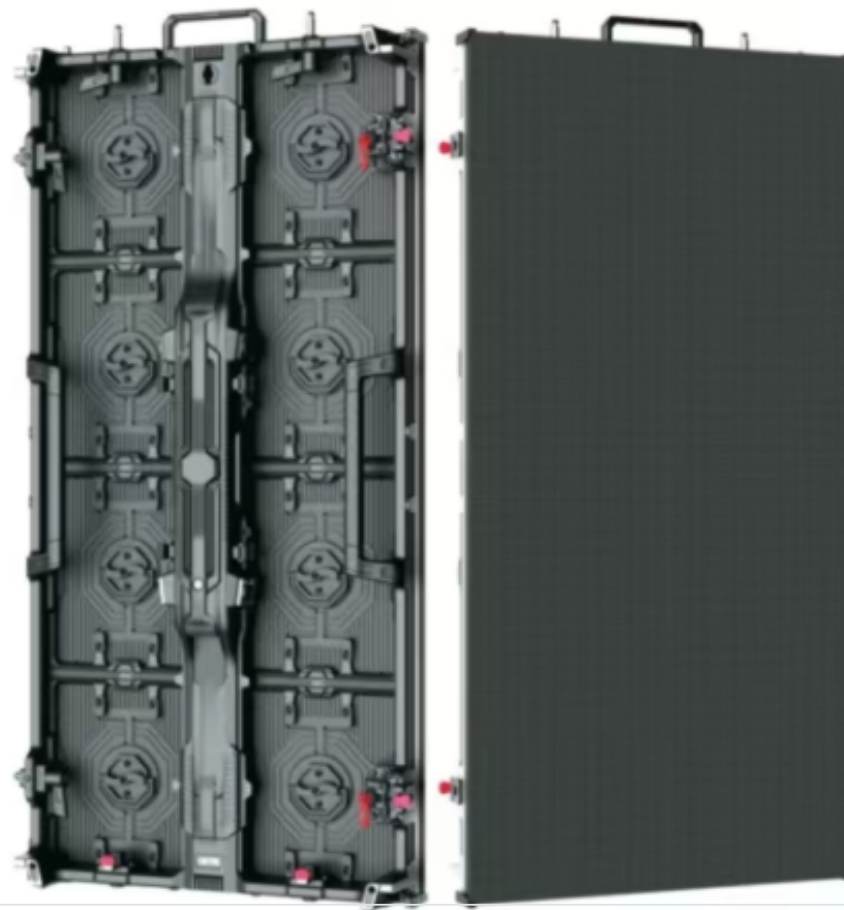
40 mm cabinet depth and front service. Five pixel pitch options, from 1.56 to 3.91 mm.

SERIES

TF

Modular design. Flexible installation.

Square and rectangular cabinets support a range of display sizes and layouts. The TF platform integrates connection, alignment and service features for modular installations.



2.6 / 3.9

Nominal pixel pitch • mm

7,680 Hz

Refresh rate

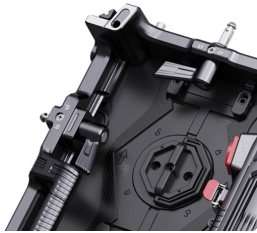
Indoor / Outdoor

Versions for each environment

DESIGN AND ASSEMBLY

Connection and handling features.

TF Series design details for cabinet connection, alignment and component access.



01 Quick-release locks

Secure adjacent cabinets during assembly.



02 Integrated handles

Grip points for cabinet handling.



03 Corner protectors

Mechanical protection at module corners.



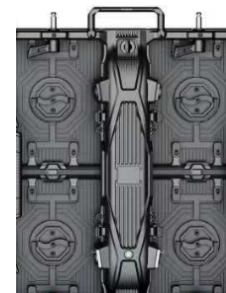
04 Alignment pins

Positioning reference between cabinets.



05 Module locking mechanism

Mechanism for securing and releasing the module.



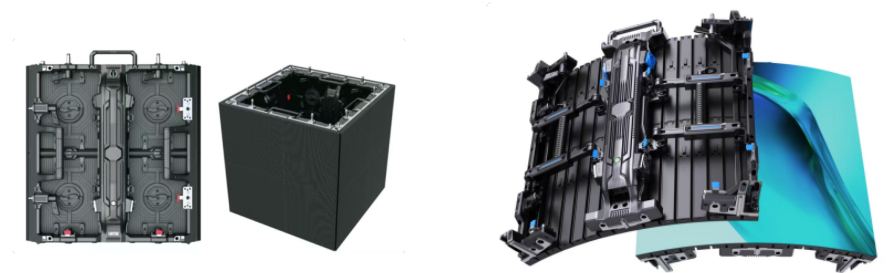
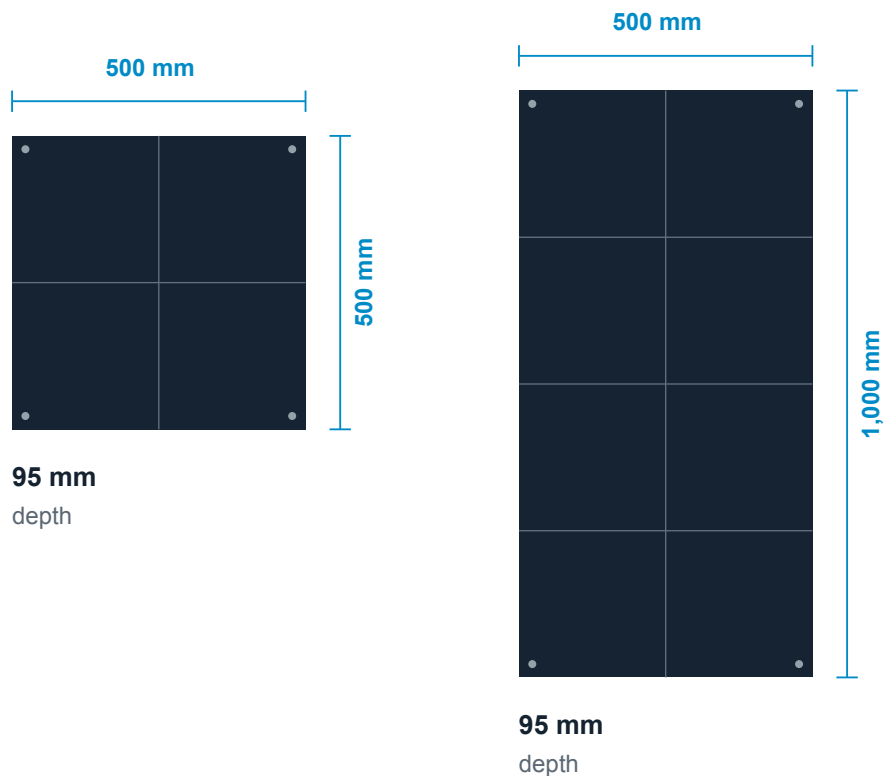
06 Power supply box

Independent assembly with integrated HUB board.

MODULAR DESIGN

Two cabinet formats.

500 mm cabinet width and 250 × 250 mm modules.



90° corner connection

Curved configurations

The TF family includes solutions for 90° corners and concave or convex surfaces, depending on the selected variant.

Hanging, ground-stacked or wall-mounted

Accessories, curve radii and installation limits depend on the project configuration. Drawings not to scale.

TF SERIES

Specifications by configuration.

Per-cabinet values listed as: 500 × 500 mm / 500 × 1,000 mm.

Parameter	Indoor 2.6	Indoor 3.9	Outdoor 2.6	Outdoor 2.6 GOB	Outdoor 3.9
Nominal pixel pitch (mm)	2.6	3.9	2.6	2.6	3.9
Brightness (nits)	850	850	4,500	4,200	4,500
IP rating	IP35	IP35	IP65	IP65	IP65
LED	SMD1515	SMD2020	SMD1515	SMD1515	SMD1921
Resolution • 500 × 500 (px)	192 × 192	128 × 128	192 × 192	192 × 192	128 × 128
Resolution • 500 × 1,000 (px)	192 × 384	128 × 256	192 × 384	192 × 384	128 × 256
Max. power draw (W/cabinet)	180 / 315	180 / 315	200 / 400	200 / 400	200 / 400
Avg. power draw (W/cabinet)	54 / 94.5	54 / 94.5	60 / 120	60 / 120	60 / 120
Scan ratio	1/32	1/16	1/24	1/24	1/16
Refresh rate (Hz)	7,680	7,680	7,680	7,680	7,680
Grayscale (bits)	14	14	14	14	14

Common specifications · Depth: 95 mm · Module: 250 × 250 mm · Viewing angle: 140°
Approx. weight: 7.60 / 12.70 kg · Power supply: 110/220 V AC ±10% · Synchronous control

Approximate weights converted from lb. Specifications based on manufacturer documentation. Final configuration as quoted.

SERIES

FW

Fixed installation. Architectural integration.

Displays for indoor fixed installation, featuring 40 mm cabinet depth and front service. Five pixel pitch options allow resolution to be specified according to screen size, content and viewing distance.



40 mm

Cabinet depth

1.56 to 3.91

Pixel pitch • mm

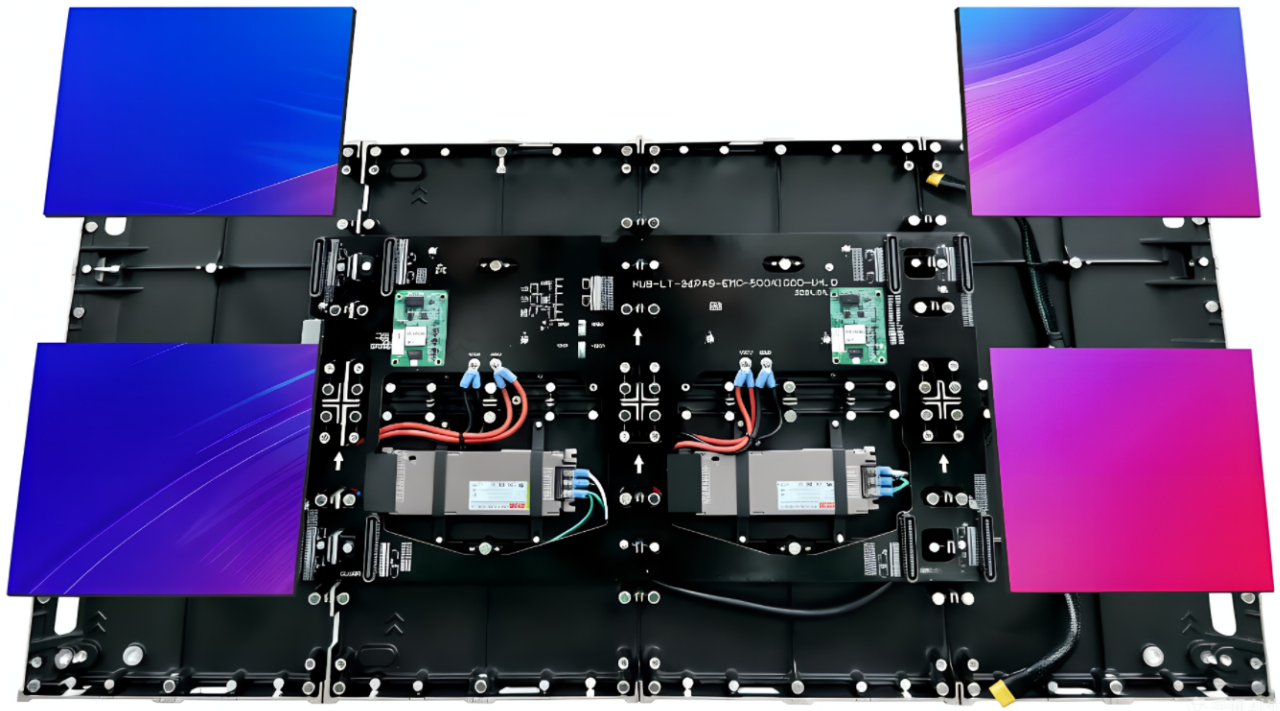
Front service

Component access

SERVICE AND ACCESS

Front access to components.

Modules and internal components are accessible from the front for wall-mounted applications.



Exploded product view based on the supplied technical documentation.

01

Removable modules

Remove and replace modules from the front of the display.

02

Electronics access

Front access to power supply and control components.

03

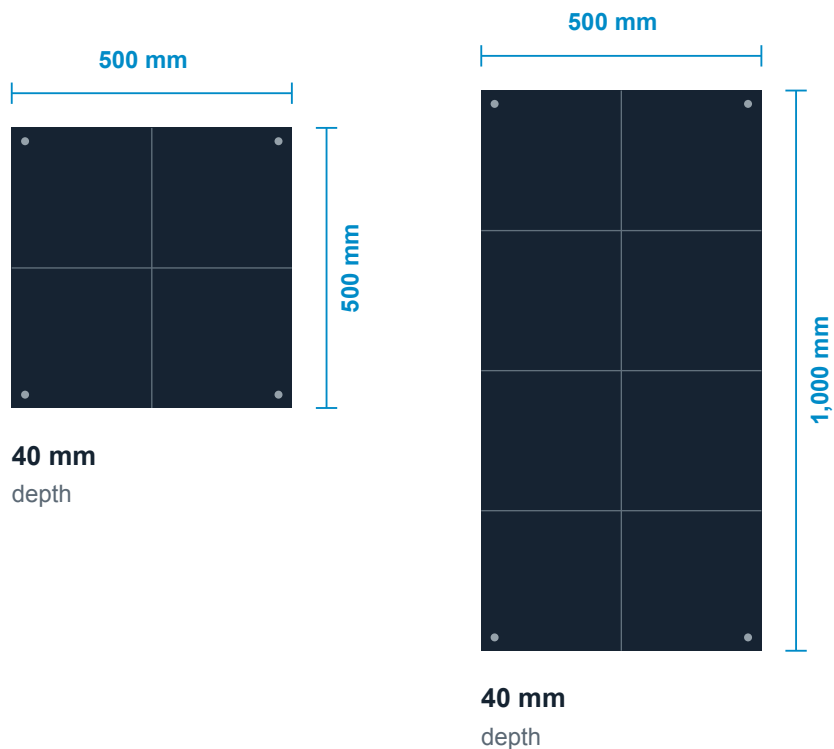
Installation requirements

Allow for mounting points, cable routing and clearance for the service tool.

DIMENSIONS AND CONFIGURATIONS

40 mm cabinet depth.

500 × 500 and 500 × 1,000 mm formats. Overall depth includes modules.



Corner configuration



Curved configuration

The FW family includes corner and curved configurations for integration into architectural spaces.

Variants, support structures and accessories depend on the selected configuration.
Drawings not to scale.

FW SERIES

Specifications by pixel pitch.

Indoor use. Power consumption values expressed per square metre.

Parameter	1.56 GOB	1.95 GOB	2.604	2.976	3.91
Pixel pitch (mm)	1.56	1.95	2.604	2.976	3.91
Brightness (nits)	500	500	700	700	800
LED	SMD1212	SMD1515	SMD1515	SMD1515	SMD2020
Resolution • 500 × 500 (px)	320 × 320	256 × 256	192 × 192	168 × 168	128 × 128
Resolution • 500 × 1,000 (px)	320 × 640	256 × 512	192 × 384	168 × 336	128 × 256
Scan ratio	1/40	1/32	1/32	1/21	1/16
Max. power draw (W/m ²)	390	390	390	390	390
Avg. power draw (W/m ²)	130	130	130	130	130
Refresh rate (Hz)	7,680	7,680	7,680	7,680	7,680
Grayscale (bits)	14	14	14	14	14
IP rating	IP43	IP43	IP43	IP43	IP43

Common specifications · Depth: 40 mm · Module: 250 × 250 mm · Viewing angle H/V: 140° / 140°

Approx. weight: 5.44 / 10.89 kg (500 × 500 / 500 × 1,000 mm) · 110/220 V AC ±10% · Synchronous/asynchronous control

Approximate weights converted from lb. Specifications based on manufacturer documentation. Final configuration as quoted.

SPECIFICATION CRITERIA

Technical selection for each application.

Compare the product families and define image, installation and operating requirements.

Criterion	TF Series	FW Series
Primary application	Events and modular installations	Indoor fixed installation
Environment	Indoor or outdoor, depending on version	Indoor
Pixel pitch (mm)	2.6 or 3.9 nominal	1.56 / 1.95 / 2.604 / 2.976 / 3.91
Cabinet depth	95 mm	40 mm
Cabinet formats	500 × 500 / 500 × 1,000 mm	500 × 500 / 500 × 1,000 mm
Service access	Front	Front

01

Environment and light

Operating environment, ambient light and audience position.

02

Image and dimensions

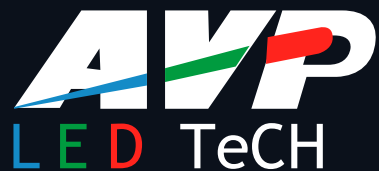
Display width and height, content and viewing distance.

03

Installation and operation

Support structure, service access, power supply and control.

Contact AVP to specify your project configuration.



PROJECT SPECIFICATION

Specify your next LED display.

SALES ENQUIRIES

sales@avpled.com

avpled.com

TF / FW SERIES

LED DISPLAYS