

INFILED

Screen your dreams



WK
SERIES

An ultra light, energy-efficient fine-pitch indoor display for corporate and retail spaces

CORPORATE | RETAIL

LIGHTWEIGHT AND ENERGY EFFICIENT SOLUTIONS

The WK Series is an energy efficient indoor LED display engineered for fixed installations that demand exceptional performance. Its ultra-light design and high resolution deliver stunning visual clarity.



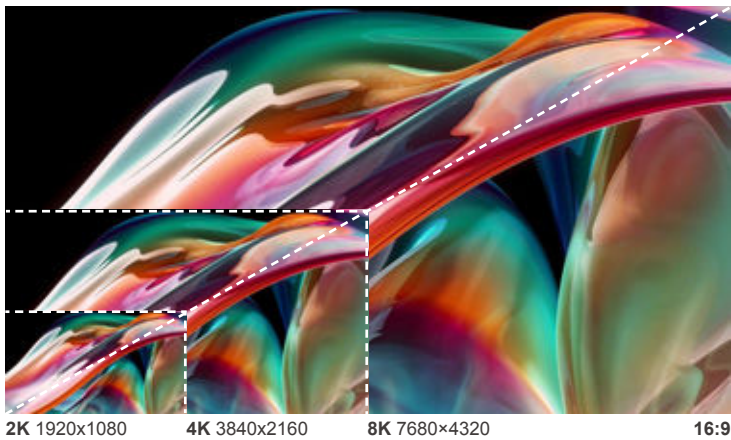
Supported by a 16:9 panel ratio and a 3840Hz refresh rate WK series is ideal for seamless 2K, 4K, and 8K video walls. A rear heat-dissipation system and optimized internal design ensure reliable long-term performance and easy module connection.

Designed for professional corporate environments, the WK Series empowers corporations to create impressive ultra-high-resolution LED walls in executive spaces, experience centers, and presentation rooms. It also enables retail brands to elevate in-store environments with immersive digital displays that highlight products, storytelling content, and premium brand experiences.

CRISP VISUALS. ULTRA-LIGHT DESIGN. EFFICIENT PERFORMANCE.

◆ **High definition**

A panel ratio of 16:9 combined with fine pixel pitch allows the setup of Full HD, 4K, and 8K resolution displays to be achievable.



◆ **Ultra-light**

The weight of each WK cabinet is less than 5 kg.

◆ **Energy-efficient**

Maximum power consumption: 130W/panel
Average power consumption: 44W/panel

◆ **Reliable Configuration**

The backup power and dual signal loop guarantee the LED screen performs stably.

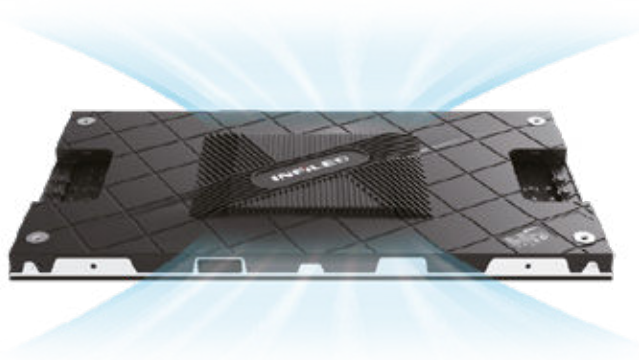


SLIM INSTALLATION. SMART MAINTENANCE. CREATIVE POSSIBILITIES.

Built for practical indoor fixed installations, the WK Series brings together efficient thermal management, a slim profile, easy maintenance, and creative screen design flexibility.

◆ **Excellent Cooling**

Rapid cooling in the central control, with improved cooling efficiency and a longer lifespan of the display.



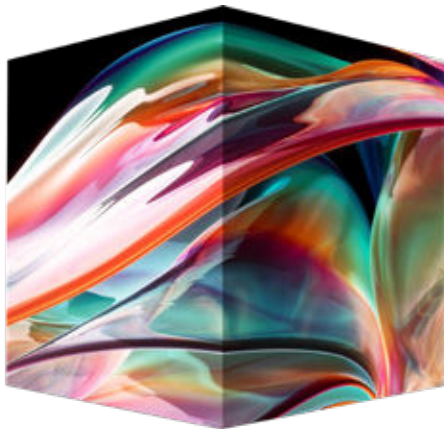
◆ **Install solution**

Features an ultra-thin 29.5mm edge profile, reaching a total installation depth of just 37mm with the included low-profile mounting bracket and cabinet frame for a clean, space-efficient finish.



◆ **Easy maintenance**

Modules can be installed directly into the frame without wiring.
The innovative vacuum suction tool for easy front maintenance.



◆ **Creative Corner Design**

This series can be used to create right-angle screens, available as an option for creative display solutions.

ADVANCED TECHNOLOGIES FOR ENHANCED PERFORMANCE

WK integrates advanced INFILED’s SolidSkin technology with protective encapsulation. The Glue on Board architecture improves resistance to impact, dust, and moisture reducing pixel damage and maintenance risk in reduced space indoor environments.



SolidSkin adds an extra layer of protection to WK, helping keep the screen safer during installation, front maintenance, and everyday operation.

◆ **Extra Protection**

A transparent protective layer helps shield the LED surface from dust, moisture, and impact.

◆ **Clear, Reliable Viewing**

SolidSkin also helps maintain image consistency and supports long-term reliability with lower maintenance risk.

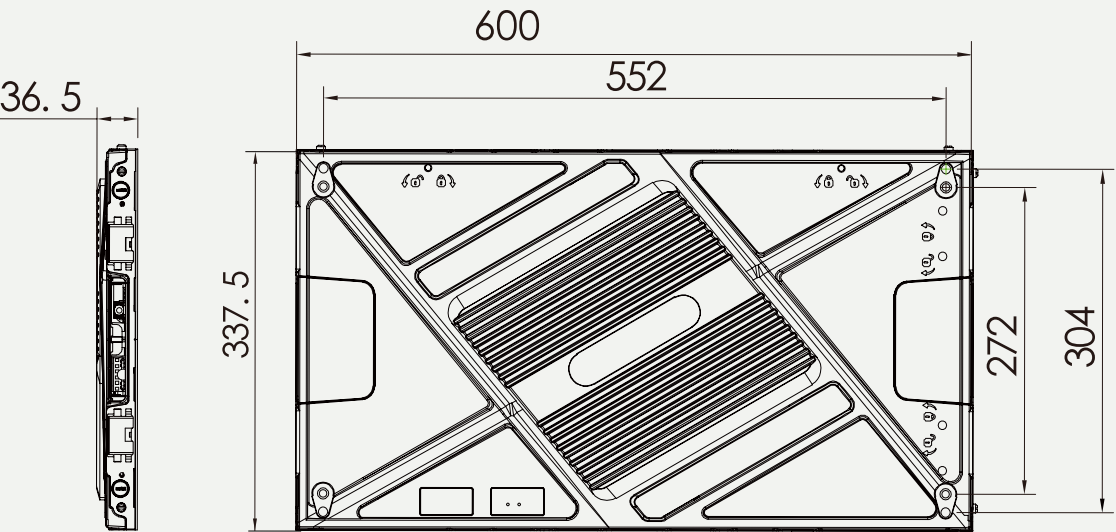


◆ **Flip-Chip COB Fine Pitch Range**

WK adopts a flip-chip COB approach for its fine-pitch configuration, supporting stable pixel-level operation in fixed indoor environments.

- Improves heat transfer from the LED chip to the substrate
- Reduces exposed bonding and mechanical stress in fine-pitch layouts
- Supports reliable performance during extended operating hours

SPECIFICATIONS



WK Specification

General Information	Model Number	IL-FISS-IRWK0.93 M4	IL-FISS-IRWK0.93-SSC	IL-FISS-IRWK1.25
	Pixel Pitch	0.93mm	0.93mm	1.25mm
Physical Parameter	Physical Density	1,137,777 pixels/m2	1,137,777 pixels/m2	640,000 pixels/m2
	LED Arrangement	4 in 1 IMD	Flip chip COB	3 in 1 SMD
	Module Resolution (W x H)	320 x 180 pixels	160 x 180 pixels	240 x 135 pixels
	Module Dimensions (W x H, mm)	300 x 168.75mm (11.8 x 6.64in)	150 x 168.75mm (5.91 x 6.64in)	300 x 168.75mm (11.8 x 6.64in)
	Cabinet Resolution	640 x 360 pixels	640 x 360 pixels	480 x 270 pixels
	Cabinet Dimensions (mm/inch)	600 x337.5 x 29.5mm (23.62 x 13.29 x 1.16in)	600 x337.5 x 29.5mm (23.62 x 13.29 x 1.16in)	600 x337.5 x 29.5mm (23.62 x 13.29 x 1.16in)
	Cabinet Weight (Unit case/Square meter)	4.9kg (10.9lb)	3.4kg (7.5lb)	4.9kg (10.9lb)
Optical Parameter	Brightness (After Calibration)	600nits	600nits	600nits
	Viewing Angle	160°/160°	160°/160°	160°/160°
Power Supply	Max. Power Consumption (W/Unit)	150W/Panel	70W/Panel	150W/Panel
	Avg. Power Consumption (W/Unit)	50W/Panel	24W/Panel	50W/Panel
	Operating Power Source	100-240V AC, 50-60Hz	100-240V AC, 50-60Hz	100-240V AC, 50-60Hz
Control System	Refresh Rate	3840Hz	3840Hz	3840Hz
	Signal Input Source	DVI, HDMI, DP, SDI	DVI, HDMI, DP, SDI	DVI, HDMI, DP, SDI
Operation Conditions	Operating Temperature	-10°C--+45°C	-10°C--+45°C	-10°C--+45°C
	IP Rating (Front/Rear)	IP30	IP54 Front / IP30 Back	IP30
	Certification	CE, RoHS, FCC, ETL, REACH	CE, RoHS, FCC, ETL, REACH	CE, RoHS, FCC, ETL, REACH

WK Specification

General Information	Model Number	IL-FISS-IRWK1.2-SSC	IL-FISS-IRWK1.56	IL-FISS-IRWK1.5-SSC
	Pixel Pitch	1.25mm	1.56mm	1.56mm
Physical Parameter	Physical Density	640,000 pixels/m2	409,600 pixels/m2	409,600 pixels/m2
	LED Arrangement	Flip chip COB	3 in 1 SMD	Flip chip COB
	Module Resolution (W x H)	120 x 135 pixels	192 x 108 pixels	96 x 108 pixels
	Module Dimensions (W x H, mm)	151 x 168.75mm (11.8 x 6.64in)	300 x 168.75mm (11.8 x 6.64in)	152 x 168.75 mm (5.91 x 6.64 in)
	Cabinet Resolution	240 x 270 pixels	384 x 216 pixels	192 x 216 pixels
	Cabinet Dimensions (mm/inch)	600 x337.5 x 29.5mm (23.62 x 13.29 x 1.16in)	600 x337.5 x 29.5mm (23.62 x 13.29 x 1.16in)	600 x337.5 x 29.5mm (23.62 x 13.29 x 1.16in)
	Cabinet Weight (Unit case/Square meter)	3.4kg (7.5lb)	4.9kg (10.9lb)	4.9kg (10.9lb)
Optical Parameter	Brightness (After Calibration)	600nits	700nits	600nits
	Viewing Angle	160°/160°	160°/160°	160°/160°
Power Supply	Max. Power Consumption (W/Unit)	57W/Panel	100W/Panel	60W/Panel
	Avg. Power Consumption (W/Unit)	20W/Panel	33W/Panel	20W/Panel
	Operating Power Source	100-240V AC, 50-60Hz	100-240V AC, 50-60Hz	100-240V AC, 50-60Hz
Control System	Refresh Rate	3840Hz	3840Hz	3840Hz
	Signal Input Source	DVI, HDMI, DP, SDI	DVI, HDMI, DP, SDI	DVI, HDMI, DP, SDI
Operation Conditions	Operating Temperature	-10°C--+45°C	-10°C--+45°C	-10°C--+45°C
	IP Rating (Front/Rear)	IP54 Front / IP30 Back	IP30	IP54 Front / IP30 Back
	Certification	CE, RoHS, FCC, ETL, REACH	CE, RoHS, FCC, ETL, REACH	CE, RoHS, FCC, ETL, REACH

WK Specification

General Information	Model Number	IL-FISS-IRWK1.87	IL-FISS-IRWK2.5
	Pixel Pitch	1.87mm	2.5mm
Physical Parameter	Physical Density	284,444 pixels/m2	160,000 pixels/m2
	LED Arrangement	3 in 1 SMD	3 in 1 SMD
	Module Resolution (W x H)	160 x 90 pixels	120 x 135 pixels
	Module Dimensions (W x H, mm)	300 x 168.75mm (11.8 x 6.64in)	300 x 168.75mm (11.8 x 6.64in)
	Cabinet Resolution	320 x 180 pixels	240 x 270 pixels
	Cabinet Dimensions (mm/inch)	600 x337.5 x 29.5mm (23.62 x 13.29 x 1.16in)	600 x337.5 x 29.5mm (23.62 x 13.29 x 1.16in)
	Cabinet Weight (Unit case/Square meter)	4.9kg (10.9lb)	4.9kg (10.9lb)
Optical Parameter	Brightness (After Calibration)	800nits	800nits
	Viewing Angle	160°/160°	160°/160°
Power Supply	Max. Power Consumption (W/Unit)	140W/Panel	140W/Panel
	Avg. Power Consumption (W/Unit)	46W/Panel	46W/Panel
	Operating Power Source	100-240V AC, 50-60Hz	100-240V AC, 50-60Hz
Control System	Refresh Rate	3840Hz	3840Hz
	Signal Input Source	DVI, HDMI, DP, SDI	DVI, HDMI, DP, SDI
Operation Conditions	Operating Temperature	-10°C--+45°C	-10°C--+45°C
	IP Rating (Front/Rear)	IP30	IP30
	Certification	CE, RoHS, FCC, ETL, REACH	CE, RoHS, FCC, ETL, REACH

The product specifications can be costumized

CORPORATE | RETAIL

PIXEL PITCH	0.9, 1.25, 1.56, 1.87, 2.5mm
BRIGHTNESS	600-700nits
CABINET SIZE (WxHxD)	600 x 337.5 x 29.5 mm
IN/OUT	INDOOR



CHINA | SPAIN | NETHERLANDS | GERMANY | UAE | US | JAPAN | MALAYSIA | SINGAPORE | SOUTH KOREA |
AUSTRALIA | NEW ZEALAND | COLOMBIA | INDONESIA | UK | FRANCE | SAUDI ARABIA | QATAR | BRAZIL



www.infiled.com

For more information, contact:
info@infiled.com