
Project Description

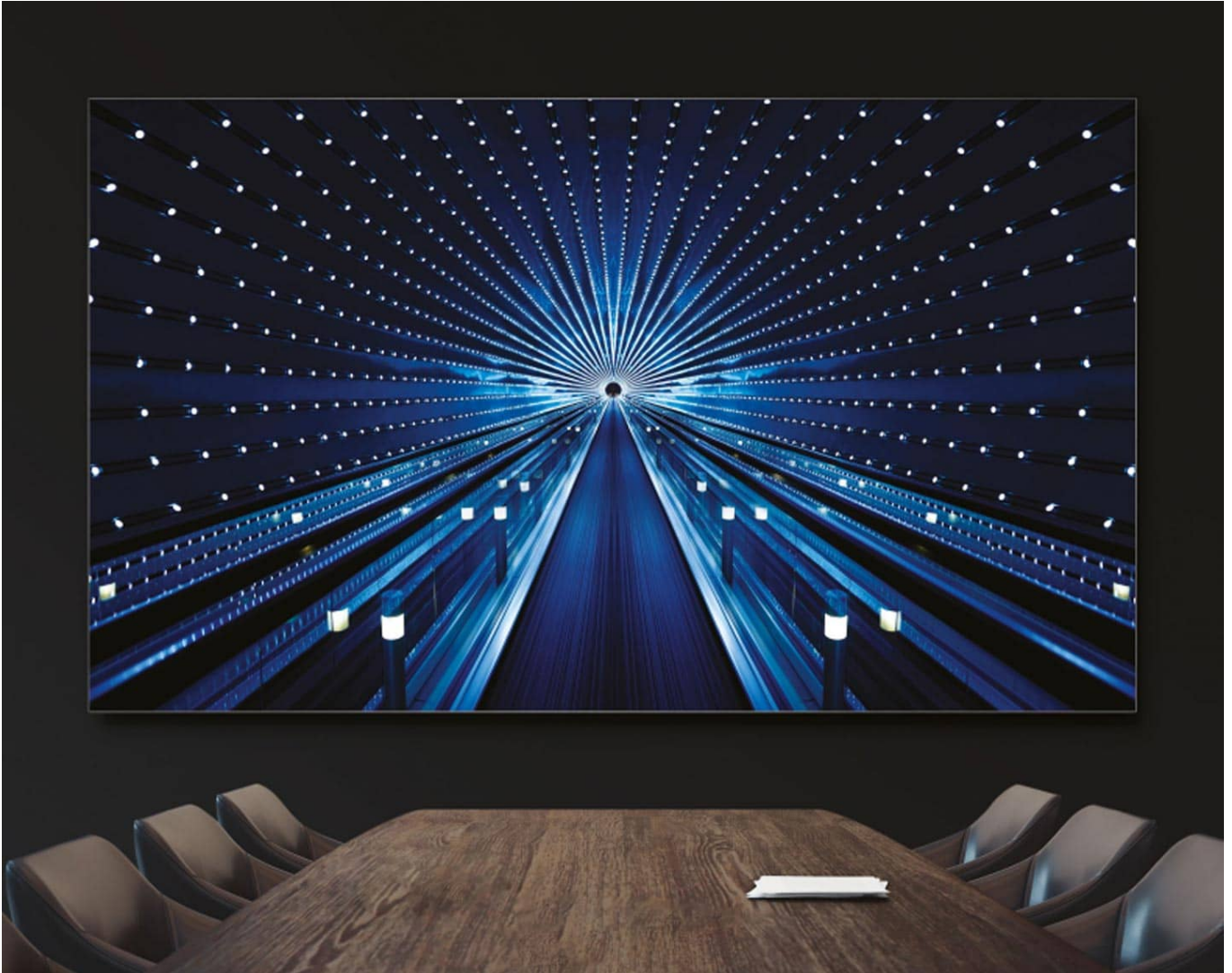
The Wall IAB 146" 2K

LED Wall IAB 146" FHD

* The configuration information in this document is for simulated installation only, while actual physical specifications may vary. Please consult with Samsung or your installation partner for accurate information.

* Specifications are subject to change without notice.

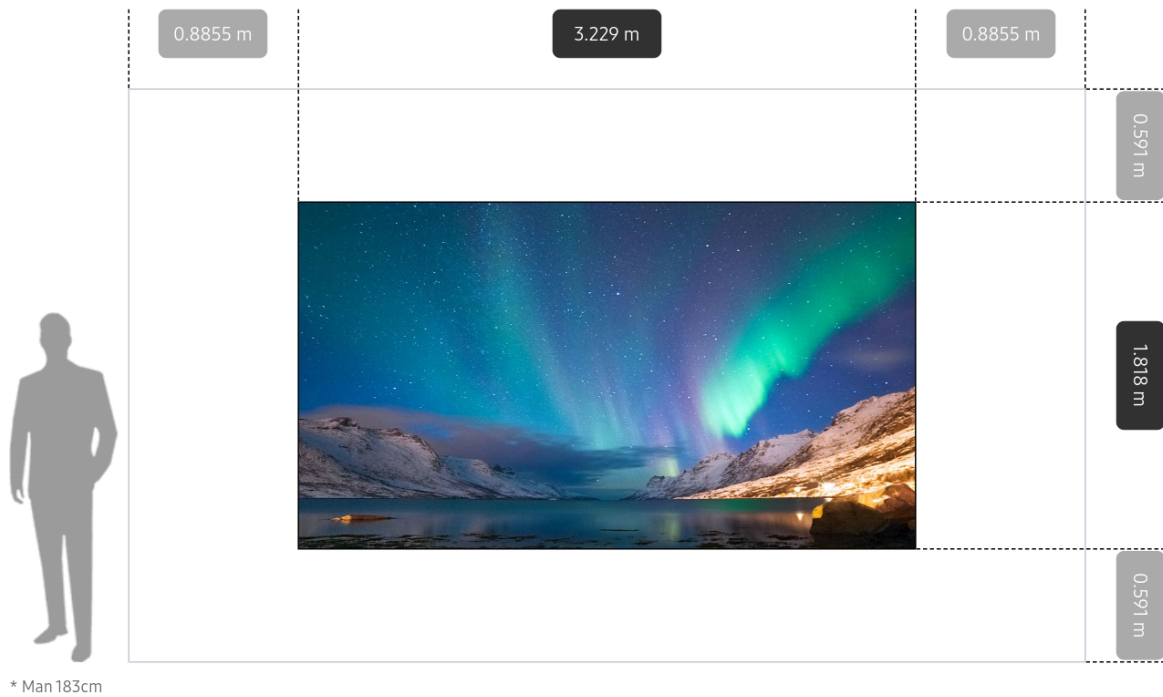
Date of configuration : 14th June, 2024



Innovation is never static. To strive for perfection requires a constant pursuit of greatness. To inspire and captivate with unrivaled experiences. The Wall is the epitome of innovation. It constantly delivers new avenues to create unparalleled visual statements. Redefining the LED paradigm once again, The Wall now solves the biggest industry challenge, drastically improving installation. The Wall, let it transform your business.

LED Configuration Rendering

The Wall IAB 146" 2K



Screen Specifications

Model Name **IAB 146" 2K**

Display Requirements	Screen Configuration (WxH)	1 Unit x 1 Unit
Display Wall Dimensions	Dimensions	3.229 x 1.818 m
	Display Area	5.87 m ²
	Diagonal	145.88 inch
	Weight(Only Cabinets)	160.0 Kg
Optical Parameter	Resolution	1920 x 1080
Power Requirements	Max	1240 Watts
	Typical	860 Watts
Heat Generation	Max	4231 BTU
	Typical	2934 BTU

Screen Components

Model Name **IAB 146" 2K**

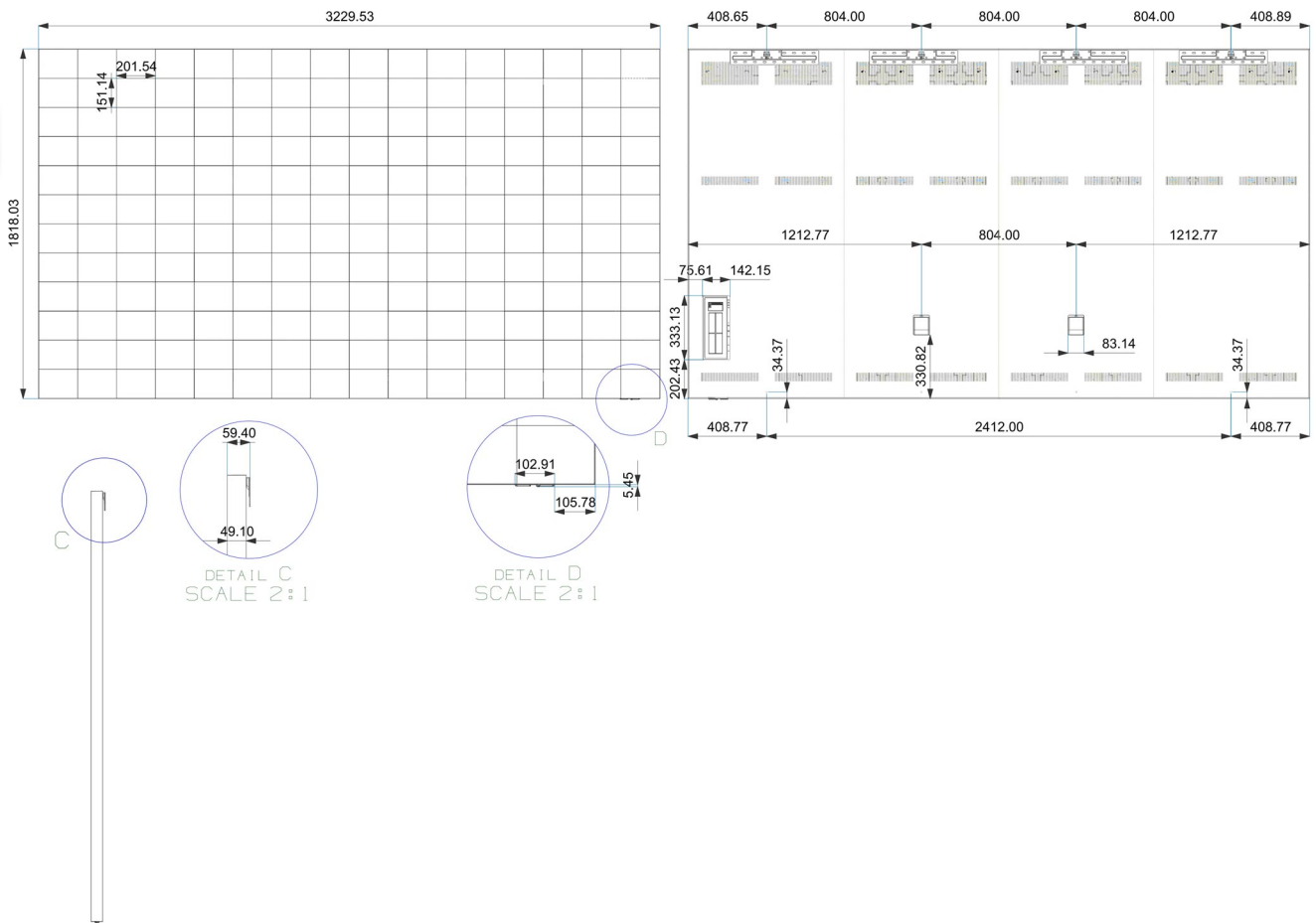
Accessory Kit	Q'ty. of Accessory Kit	No accessory kit is necessary
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Product Specification

Model Name **IAB 146" 2K**

Physical Parameter	Pixel Pitch	1.68mm
	Diode Type	Flip-chip RGB LED
	Dimensions (mm, LxHxD, per cabinet)	3,229.5x1,818.0x49.1 mm
	Diagonal (inch, DiagonalxD, per cabinet)	145.7x1.9 inch
	No. of Modules(WxH, per cabinet)	16 x 12
	Weight (per cabinet/per m ²)	160 kg
Optical Parameter	Brightness (Peak/Max, S-Box)	1,400 nit / 500 nit
	Contrast Ratio (Peak/Max)	22,000 : 1
	Viewing angle - Horizontal	170°
	Viewing angle - Vertical	155°
	Bit Depth	16 bit (Internal processing 20bit)
	Color temperature - Adjustable	2,800K ~ 10,000K
Electrical Parameter	Video Rate	50/60 Hz 100/120 (FRC) Hz
	Input Power Range	100~240 VAC, 50/60 Hz
	Power consumption - Max	1240 (W/Screen)
	Power consumption - Typ	860 (W/Screen)
	Heat generation – Max(BTU/Screen)	4231 (BTU/Screen)
	Heat generation – Typical(BTU/Screen)	2934 (BTU/Screen)
	Refresh rate	3,840 Hz
	Visual Refresh Rate	7,680 Hz
Operation Conditions	Working Temperature / Humidity	0°C~+40°C / 10%~80%RH
	Storage Temperature / Humidity	-20°C~+45°C / 5%~95%RH
	IP Rating	IP20
	LED Lifetime	150,000 hours
Certification	Certification	62368-1, 60950-1
Service	Service	Front
Package	Box Dimension (mm, LxHxD)	2,000 × 2,162 × 1,000 mm
	Package Weight (kg, per cabinet)	242 kg

Mechanical Drawing(Cabinet)



Production Information



IAB 146" 2K