

FUTURE **LED**

RUBIN Series

Flip Chip SuperCOB Product

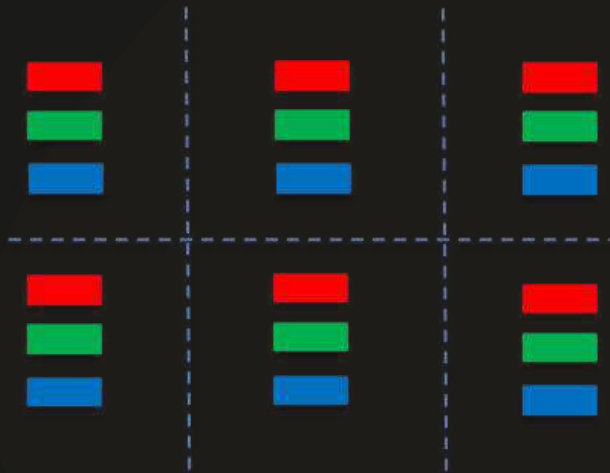
RUBIN0.8 / RUBIN1.2



RUBIN Series flip Chip SuperCOB Technology

$$4X (1R1G1B) = 1R1G1B1G$$

Conventional Micro LED display technology



Conventional LED display RGB arrangement

Display Technology of Ledman SuperCOB Micro LED



SuperCOB RGBG arrangement



Our COB LED Walls run since 2018 with ZERO (!!) maintenance!

1

Excellent Display Effect

- High Contrast
- High Uniformity
- Bright Colors

High Contrast

FUTURE LED

10000:1 ultra -high contrast, black ,the color is more gorgeous, the display effect is more outstanding



10000:1
High Contrast



Support 16bit
High Grayscale



3000Hz
High Refresh rate, Low Moire



Soft Eye Protection



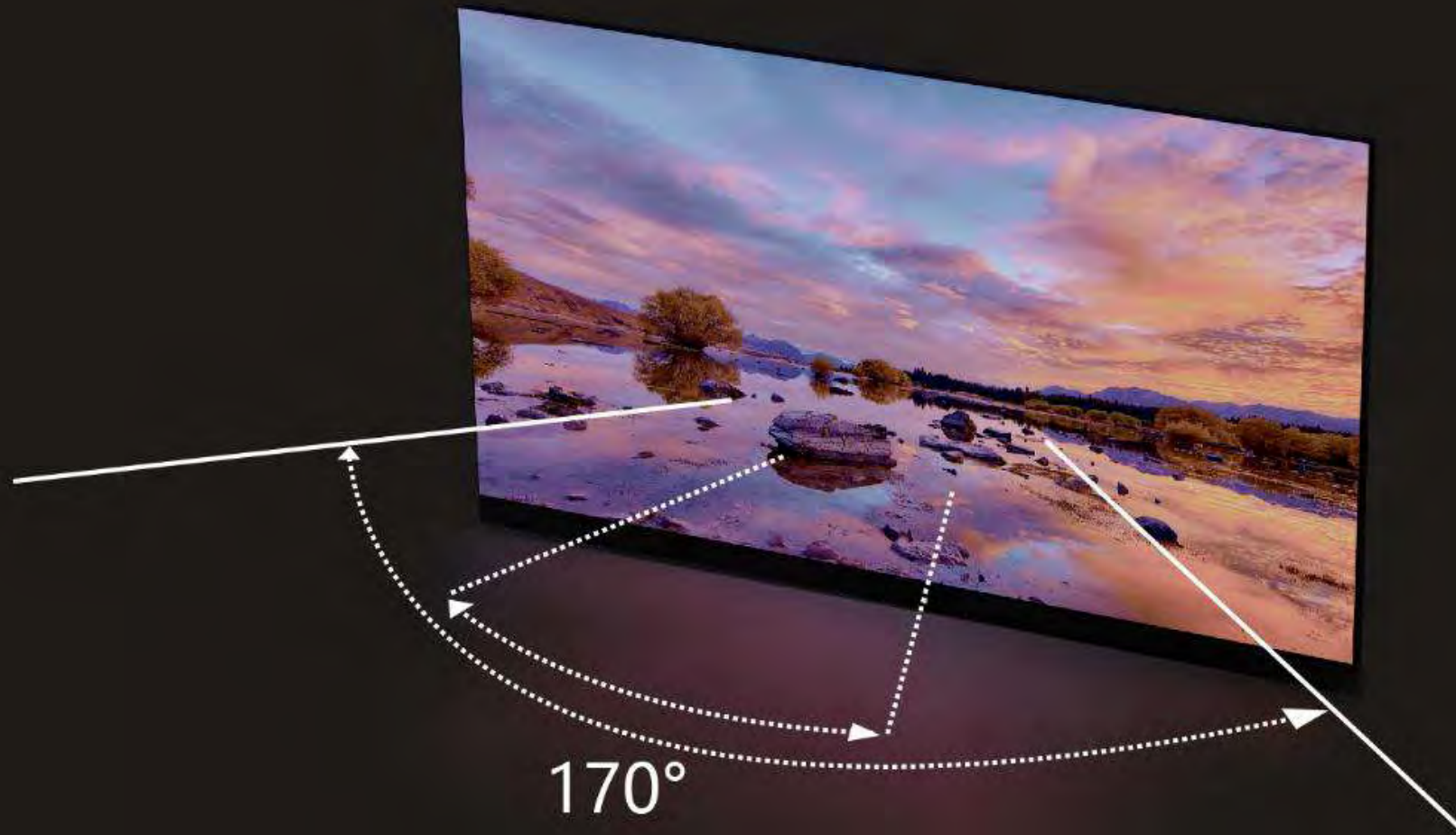
Not Reflective Light



Oversized Angle

FUTURE **LED**

Horizontal 170 °super large viewing angle, no chromatic aberration and no dead angle in any directions



Not Reflective Light

Surface treatment technology, not glare, not reflective light, in highlight environment, does not affect viewing





Soft Eye Protection

Surface light source design, uniform light output, German Rheinland TUV low blue light certification, softer and more eye-protecting

2

Energy Saving, Low -carbon, Environmental Protection


•Cold Screen • Energy Saving



Cold Screen

COB flip chip technology, under the working condition of the screen.

The surface temperature is only **33 °C**.

- 
- ◆ **COB flip chip common cathode SuperCOB technology**
 - ◆ **max power consumption 200W/m²**
 - ◆ **ca. 35% less than regular SMD**
 - ◆ **PFC power supply (two-way output common cathode power supply)**

3

Super Protective Performance

- Waterproof • Anti -collision • Dustproof • Moisture -proof • Low pixel failure rate

Light and Thin Design

Weight: < 6KG/Panel

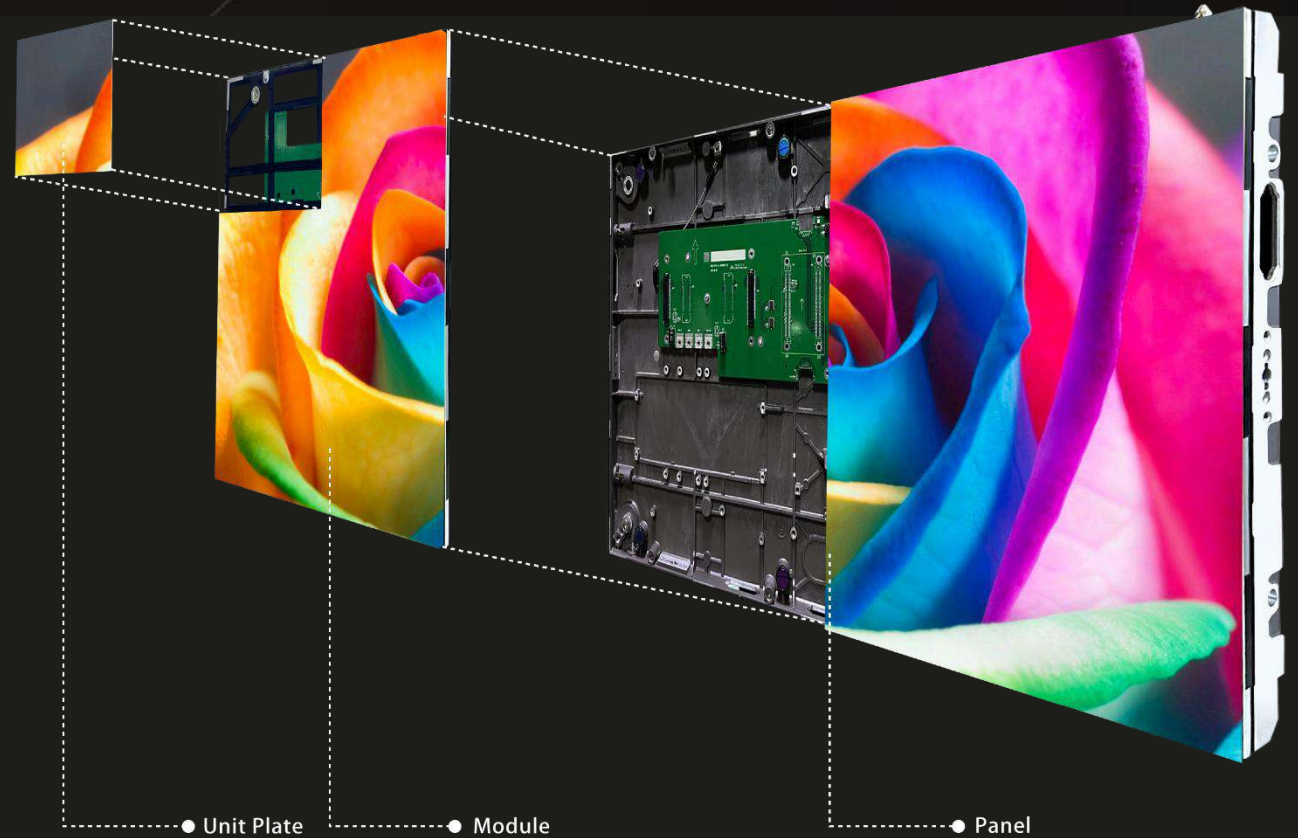
Thickness: $\leq 40\text{mm}$ /Panel

High Protection

- Waterproof • Anti -collision • Dustproof
- Moisture -proof • Anti -static

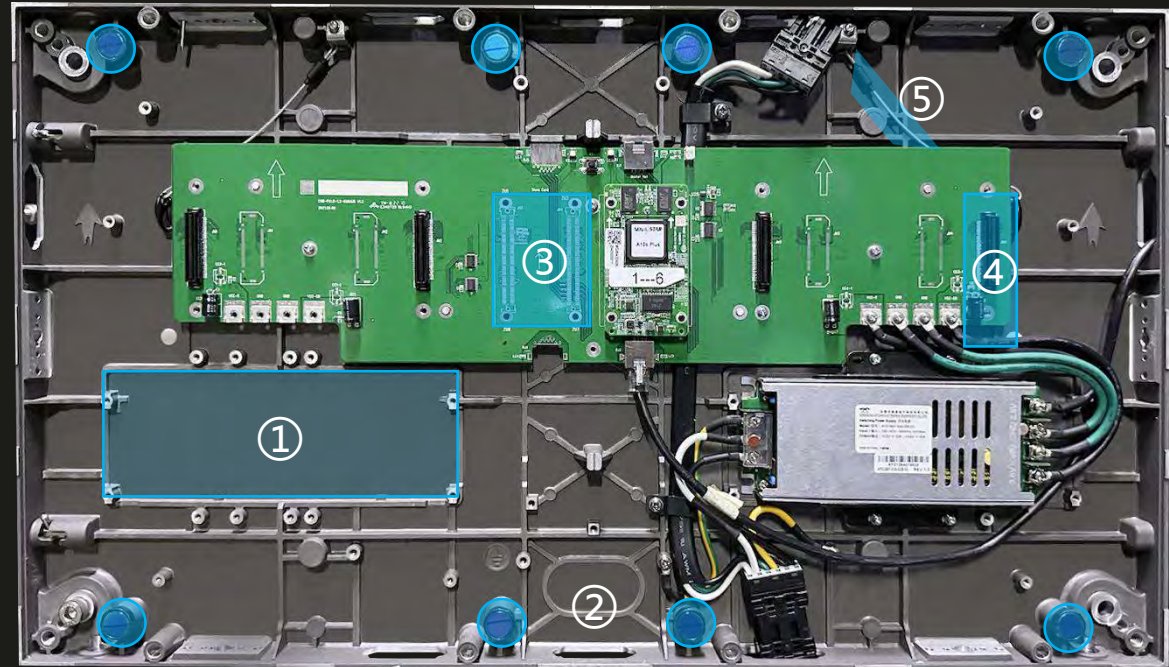
Save Worry and Money

- Low pixel failure rate • Full front maintenance



FutureLED RUBIN Series

- ① Optional power supply dual backup
- ② Magnetic attraction
- ③ Optional receiving card backup
- ④ Hard connection
- ⑤ Safety rope



Schematic diagram

RUBIN Series

	SPECIFICATIONS	RUBIN 0.8	RUBIN 1.2
Module	Pixel Pitch Exhibited (Based on SuperCOB Technology)	0.79	1.26
	LED Type	COB (Flip Chip)	COB (Flip Chip)
	Module Size (WxH)	304*342 mm	304*342 mm
	Pixel Exhibited Per Module (Based on SuperCOB Technology)	384*432 dot	240*270 dot
Panel	Size (WxHxT)	608*342*36 mm	608*342*36 mm
	Pixels Exhibited (Based on SuperCOB Technology)	768*432 dot	480*270 dot
	Material	Die casting aluminum	Die casting aluminum
	Weight	5.3 kg	5.2 kg
	Brightness	0-600 nit	0-800 nit
	Power Consumption (Max.)	200	200