



Specification:

LED Lamp Chip Specifications					
Item	LED Encapsulation	Chip Brand	Brightness Range (mcd)	Wavelength (nm)	Test Condition
1. Red (R)	SMD2121	San'an	110–175	625–630	25°C, 20mA
2. Green (G)	SMD2121	San'an	200–350	520–525	25°C, 20mA
3. Blue (B)	SMD2121	San'an	330–360	465–470	25°C, 20mA

Module Parameters	
Item	Specification
Pixel Pitch	2.5mm
Pixel Configuration	3 in 1
Module Size	320mm × 160mm
Module Resolution	128 × 64 pixels
LED Encapsulation	SMD2121
Module Weight	0.65kg/pc
Cabinet Parameters	
Item	Specification
Cabinet Type	High-precision die-cast aluminum
Cabinet Size (W × H)	640mm × 480mm
Cabinet Resolution	256 × 192 pixels (49,152 dots)
Module Quantity	2 × 3 = 6 pcs
Pixel Density	160,000 dots/m ²
Cabinet Weight	7kg/pc
Screen Parameters	
Item	Specification
Maximum Brightness	≥800 cd/m ²

Ingress Protection	Front/Rear: IP43
Best Viewing Distance	2.5m – 30m
Driving Method	1/32 scan, constant current
Viewing Angle	Horizontal: 140°, Vertical: 120°
Brightness Control	R, G, B: 256 levels each
Colors	4096 gray levels, 16.7M colors
Refresh Rate	≥3840–7680 Hz
Frame Frequency	60 Hz
Input Voltage	AC220–240V
Defective Rate	≤0.00001
Power Consumption	Max: 600W/m ² , Avg: 300W/m ²
MTBF	>10,000 hours
Lifespan	≥100,000 hours (at 50% brightness)
Operating Humidity	10% – 95%
Operating Temperature	-10°C to +50°C
Control System	Synchronous Control System
Power Supply	5V 40A 200W
Installation Type	Wall-mounted