

27.5" GENESIS



VERSATILITY. RELIABILITY. PERFORMANCE.
It's not just a display, it's a reflection
of your creativity.

SMD | FLIP CHIP SMD
FLIP CHIP (High Brightness)

Genesis – taken from the word meaning “creation” or “beginning”.

Amazing products allow for amazing immersive experiences.

Every component inside the Genesis has been meticulously designed to get the most out of an incredibly versatile and light enclosure. We chose powerful yet highly efficient driver ICs, and optimised the LEDs to use as little power as possible.

No fans are needed to cool the LED display, drawing on innovative technologies we efficiently reduce operating temperatures ensuring maximum energy efficiency.



* GOB optional

More choices. Endless possibilities.

SMD Technology

Up to
800 nits  **sRGB** 
peak brightness colour gamut

1080p & 4k 
resolutions available

Flip Chip SMD

Up to
1,000 nits  Up to
40% 
peak brightness for your energy saving
HDR photos and videos

DCI-P3 
wide colour gamut

Up to
1.5x 
brighter than
standard SMD

Flip Chip SMD (high-bright)

Up to
4,000 nits  Up to
40% 
peak brightness for your energy saving
HDR photos and videos

DCI-P3 
wide colour gamut







Up to
4x 
brighter than
standard SMD

* Pixel technologies is not interchangeable and must be selected upon specification. * GOB available on all 3 pixel technologies.

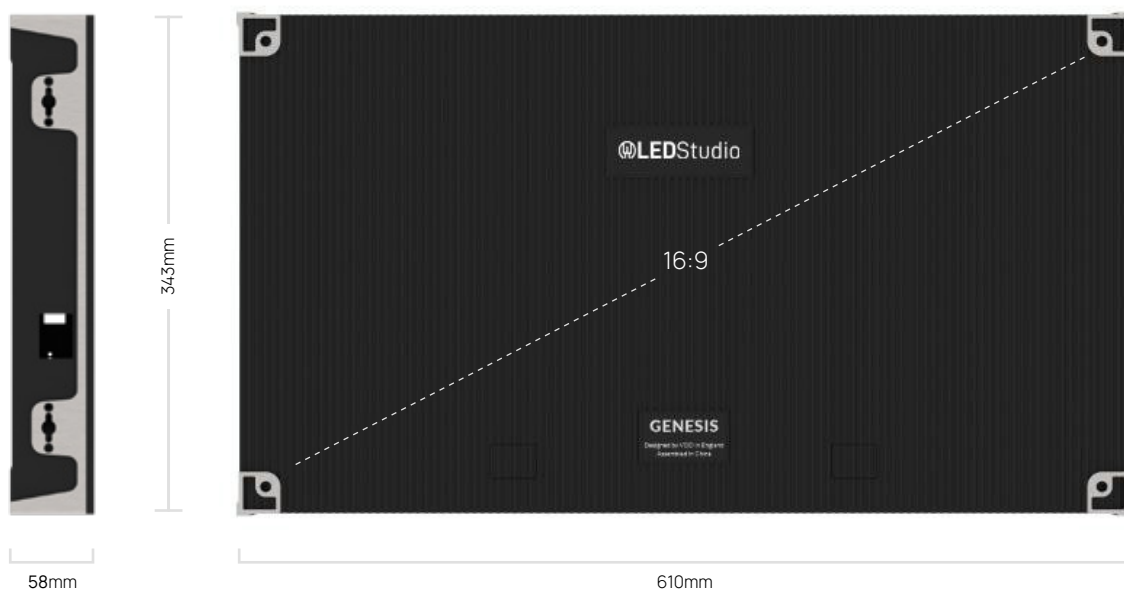
**Superior colour accuracy.
Superior performance.**



With up to 16.8 millions colours on show every image and video is recreated in vibrant true to life imagery. Improved scan rates reduce banding and vastly improve gradients for an exception viewing experience.

-  **16:9 aspect ratio**
-  **1080p & 4k UHD resolutions available**
-  **Up to 40% energy savings**
-  **Superior colour accuracy**
-  **GOB - glue on board optional**
-  **3840Hz refresh rate**

Dimensions



SPECIFICATIONS

SMD

PHYSICAL PARAMETERS				
Pixel Pitch (mm)	1.2	1.5	1.8	2.5
Unit Size (W × H × D)	610 × 343 × 58mm 24 × 13.5 × 2.28in	610 × 343 × 58mm 24 × 13.5 × 2.28in	610 × 343 × 58mm 24 × 13.5 × 2.28in	610 × 343 × 58mm 24 × 13.5 × 2.28in
Unit Weight (kg / lbs)	6.8 / 15	6.8 / 15	6.8 / 15	6.8 / 15
OPTICAL PARAMETERS				
Unit Resolution	480 × 270	384 × 216	320 × 180	240 × 135
Aspect Ratio	16:9	16:9	16:9	16:9
Brightness (nits = cd/m ²)	800	800	800	800
Contrast Ratio	5,000:1	5,000:1	5,000:1	5,000:1
Refresh Rate (Hz)	≤3,840	≤3,840	≤3,840	≤3,840
Frame Frequency (Hz)	60 / 3D : 120	60 / 3D : 120	60 / 3D : 120	60 / 3D : 120
Viewing Angle (°) (H/V)	160 / 160	160 / 160	160 / 160	160 / 160
Colour Temperature (K)	2,500 ~ 10,000	2,500 ~ 10,000	2,500 ~ 10,000	2,500 ~ 10,000
ELECTRICAL PARAMETERS				
Power Consumption Max (W/m ² / W/ft ²)	750 / 70	750 / 70	650 / 60	550 / 51
Power Consumption Typical (W/m ² / W/ft ²)	250 / 23	250 / 23	260 / 24	220 / 20
Working Voltage	AC: 100 V ~ 240 V, 50 ~ 60 Hz	AC: 100 V ~ 240 V, 50 ~ 60 Hz	AC: 100 V ~ 240 V, 50 ~ 60 Hz	AC: 100 V ~ 240 V, 50 ~ 60 Hz
ADDITIONAL FEATURES				
Lifetime (Hours)	100,000	100,000	100,000	100,000
Operating Temp (°C / °F)	-10 ~ +60 / +14 ~ +140	-10 ~ +60 / +14 ~ +140	-10 ~ +60 / +14 ~ +140	-10 ~ +60 / +14 ~ +140
Humidity Range (%)	10 ~ 90	10 ~ 90	10 ~ 90	10 ~ 90

FLIP CHIP SMD

PHYSICAL PARAMETERS		
Pixel Pitch (mm)	1.2	1.5
Unit Size (W × H × D)	610 × 343 × 58mm 24 × 13.5 × 2.28in	610 × 343 × 58mm 24 × 13.5 × 2.28in
Unit Weight (kg / lbs)	6.8 / 15	6.8 / 15
OPTICAL PARAMETERS		
Unit Resolution	480 × 270	384 × 216
Aspect Ratio	16:9	16:9
Brightness (nits = cd/m ²)	≤1,000	≤1,000
Contrast Ratio	5,000:1	5,000:1
Refresh Rate (Hz)	≤3,840	≤3,840
Frame Frequency (Hz)	60 / 3D : 120	60 / 3D : 120
Viewing Angle (°) (H/V)	160 / 160	160 / 160
Colour Temperature (K)	2,500 ~ 10,000	2,500 ~ 10,000
ELECTRICAL PARAMETERS		
Power Consumption Max (W/m ² / W/ft ²)	780 / 72	780 / 72
Power Consumption Typical (W/m ² / W/ft ²)	320 / 30	320 / 30
Working Voltage	AC: 100 V ~ 240V, 50 ~ 60 Hz	AC: 100 V ~ 240V, 50 ~ 60 Hz
ADDITIONAL FEATURES		
Lifetime (Hours)	100,000	100,000
Operating Temp (°C / °F)	-10 ~ +60 / +14 ~ +140	-10 ~ +60 / +14 ~ +140
Humidity Range (%)	10 ~ 90	10 ~ 90

FLIP-CHIP SMD (High Brightness)

PHYSICAL PARAMETERS		
Pixel Pitch (mm)	1.2	1.5
Unit Size (W × H × D)	610 × 343 × 58mm 24 × 13.5 × 2.28in	610 × 343 × 58mm 24 × 13.5 × 2.28in
Unit Weight (kg / lbs)	6.8 / 15	6.8 / 15
OPTICAL PARAMETERS		
Unit Resolution	480 × 270	384 × 216
Aspect Ratio	16:9	16:9
Brightness (nits = cd/m ²)	≤4,000	≤4,000
Contrast Ratio	5,000:1	5,000:1
Refresh Rate (Hz)	≤3,840	≤3,840
Frame Frequency (Hz)	60 / 3D : 120	60 / 3D : 120
Viewing Angle (°) (H/V)	160 / 160	160 / 160
Color Temperature (K)	2,500 ~ 10,000	2,500 ~ 10,000
ELECTRICAL PARAMETERS		
Power Consumption Max (W/m ² / W/ft ²)	800 / 74	800 / 74
Power Consumption Typical (W/m ² / W/ft ²)	320 / 30	320 / 30
Working Voltage	AC: 100 V ~ 240 V, 50 ~ 60 Hz	AC: 100 V ~ 240 V, 50 ~ 60 Hz
ADDITIONAL FEATURES		
Lifetime (Hours)	100,000	100,000
Operating Temp (°C / °F)	-10 ~ +60 / +14 ~ +140	-10 ~ +60 / +14 ~ +140
Humidity Range (%)	10 ~ 90	10 ~ 90

*All data contained is subject to change.

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www.theledstudio.com

Version 1.5

 LEDstudio



LED display technology
for tomorrow's world. ↵

Please contact us if you have any questions,
we're always happy to help

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