

Specifications

| Model                 |  | MMF                                      |  |
|-----------------------|--|--|--|
|                       |  | MM012F                                   | MM015F                                 |
| Physical Parameter    | Pixel Pitch                                  | 1.25 mm                                  | 1.56 mm                                |
|                       | Pixel Configuration                          | 1 red, 1 green, 1 blue                   | 1 red, 1 green, 1 blue                 |
|                       | Configuration (L x H, per cabinet)           | 480 x 270 pixels                         | 384 x 216 pixels                       |
|                       | Diode Type                                   | Flip-chip RGB LED                        | Flip-chip RGB LED                      |
|                       | Dimensions (mm, L x H x D, per cabinet)      | 600 x 337.5 x 49.8 mm                    | 600 x 337.5 x 49.8 mm                  |
|                       | Dimensions (inch, Diagonal x D, per cabinet) | 27.1 x 1.9 inch                          | 27.1 x 1.9 inch                        |
|                       | No. of Modules (W x H, per cabinet)          | 4 x 2                                    | 4 x 2                                  |
| Optical Parameter     | Weight                                       | 5.1 (kg/Cabinet) / 25.2 (kg/m²)          | 5.1 (kg/Cabinet) / 25.2 (kg/m²)        |
|                       | Brightness (Max)                             | 600 nit                                  | 600 nit                                |
|                       | Contrast Ratio                               | 8,000 :1                                 | 10,000 :1                              |
|                       | HDR Compatibility                            | HDR10 / HDR10+ support / AI Picture      | HDR10 / HDR10+ support / AI Picture    |
|                       | Viewing Angle - Horizontal                   | 160°                                     | 160°                                   |
|                       | Viewing Angle - Vertical                     | 160°                                     | 160°                                   |
|                       | Bit Depth                                    | 16 bit (Internal processing 20bit)       | 16 bit (Internal processing 20bit)     |
| Electrical Parameter  | Color Temperature - Default                  | 6,500K ± 500K                            | 6,500K ± 500K                          |
|                       | Color Temperature - Adjustable               | 2,800K ~ 10,000K (using S-Box)           | 2,800K ~ 10,000K (using S-Box)         |
|                       | Video Rate                                   | 50/60 Hz                                 | 50/60 Hz                               |
|                       | Input Power Range                            | 100~240 VAC, 50/60 Hz                    | 100~240 VAC, 50/60 Hz                  |
|                       | Power Consumption - Max                      | 458.1 (W/m²) / 92.8 (W/Cabinet)          | 467.2 (W/m²) / 94.6 (W/Cabinet)        |
|                       | Power Consumption - Typ                      | 204.86 (W/m²) / 41.5 (W/Cabinet)         | 183 (W/m²) / 37 (W/Cabinet)            |
|                       | Heat Generation - Max                        | 1,562.12 (BTU/m²) / 316.45 (BTU/Cabinet) | 1,593.9 (BTU/m²) / 322.8 (BTU/Cabinet) |
| Operational Parameter | Heat Generation - Typ                        | 698.58 (BTU/m²) / 141.52 (BTU/Cabinet)   | 626 (BTU/m²) / 127 (BTU/Cabinet)       |
|                       | Refresh Rate                                 | 3,840 Hz                                 | 3,840 Hz                               |
|                       | Visual Refresh Rate                          | N/A                                      | N/A                                    |
|                       | Power Redundancy                             | No                                       | No                                     |
|                       | Working Temperature / Humidity               | 0°C~+40°C / 10%~80%RH                    | 0°C~+40°C / 10%~80%RH                  |
|                       | Storage Temperature / Humidity               | -20°C~+45°C / 5%~95%RH                   | -20°C~+45°C / 5%~95%RH                 |
|                       | IP Rating                                    | IP40 (Front) / IP20 (Rear)               | IP40 (Front) / IP20 (Rear)             |
| Connectivity          | LED Lifetime                                 | 100,000 hours (TBU)                      | 100,000 hours                          |
|                       | Controller                                   | CS4B                                     | CS4B                                   |
| Certification         | Connectivity                                 | Optical                                  | Optical                                |
|                       | Safety                                       | 62368-1, 60950-1                         | 62368-1, 60950-1                       |
|                       | EMC  | Class A                                  | Class A                                |
| Service               | Eye-protection                               | TUV Eye Comfort                          | TUV Eye Comfort                        |
| Features              | Service                                      | Front                                    | Front                                  |
|                       | MagicINFO                                    | Yes                                      | Yes                                    |
|                       | Sensor                                       | Temperature                              | Temperature                            |
| Accessories           | Other  | -  | -                                      |
|                       | Accessories                                  | Décor Frame, Frame Kit                   | Décor Frame, Frame Kit                 |
| Package               | Remote Control                               | -  | -                                      |
|                       | Box Dimension (mm, W x H x D)                | 686 x 150 x 414 mm                       | 686 x 150 x 414 mm                     |
| Special Installation  | Package Weight (per cabinet)                 | 6.9 kg                                   | 6.9 kg                                 |
|                       | Curve  | Concave 11,500R (0° ~3°)                 | Concave 11,500R (0° ~3°)               |
|                       | Inclination                                  | N/A                                      | N/A                                    |
|                       | Rotation                                     | N/A                                      | N/A                                    |
|                       | Other  | N/A                                      | N/A                                    |

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LED Signage

For more information about The Wall, visit [www.samsung.com/business](https://www.samsung.com/business)

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Uncompromised visuals, now more accessible

The Wall is a pioneer, constantly opening new ways for unmatched visual statements. Leveraging Samsung’s rich R&D heritage, it now offers a more business-focused solution while maintaining its signature picture quality. True black presentation brings a new dimension of immersion with enhanced details while the powerful AI processor instantly analyzes and optimizes every second of content for perfect picture quality. Moreover, when the connected S-Box or input signal is turned off, the display automatically enters standby mode to reduce power consumption to less than 0.5W, enhancing both operational efficiency and sustainability. Introducing The Wall M series—designed to revolutionize the way you do business.

Key features



True Black Presentation

A pristine black canvas brings a new dimension of immersion, creating flawless black levels with enhanced details.



HDR Technology

With HDR10/10+ picture refinement technology, The Wall M series optimizes the brightness and contrast ratios for enhanced visuals.



Linear Grayscale

A precise linear grayscale reveals refined intricacies in every scene, delivering realistic textures, depth, and seamless shadow details.



NQM AI Processor

The powerful AI processor delivers superior visuals at any size up to 4K\* resolution, enhancing contrast and removing noise.

\* The upscaling resolution may vary based on the resolution support of the individual screen.



TUV Eye Comfort

The Wall M series is TUV Rheinland Eye Comfort certified, minimizing blue light and flicker to ensure a more comfortable viewing experience.



Stand-by-Mode

The Wall M series features an automatic standby mode that reduces power consumption to less than 0.5W.