



* All images are for illustrative purposes only.

OUTDOOR LG LED SIGNAGE

GSCD Ultra Light Series



High Brightness



Lightweight Design



Easy Maintenance



Front or Rear Serviceability



90° Corner Design Available



IP Rated Weatherproof Design



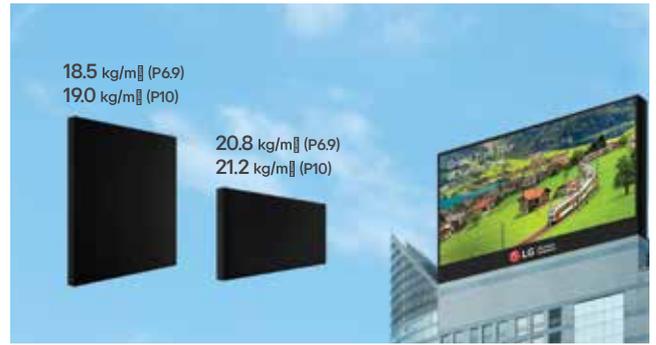
Compatibility with LG Software Solutions



High Brightness

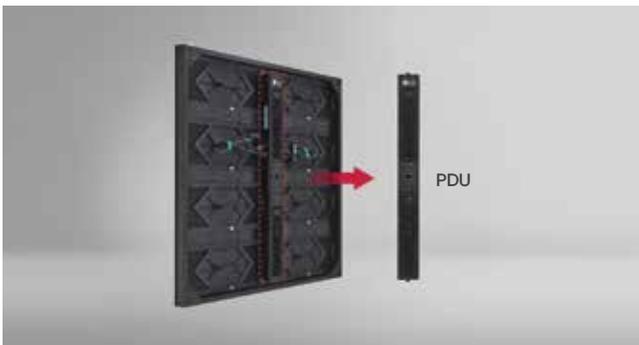
With a great brightness of 7,000 nits*, it clearly delivers content and attracts public attention, which is the ultimate display for outdoor visibility.

* GSCD100-GR series only



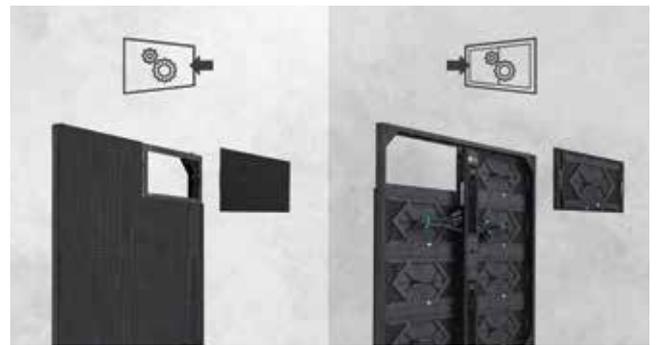
Lightweight Design

The weights of the cabinet is very light, so even if a large LED screen is installed on the roof, it puts less pressure on the building's load.



Easy Maintenance

The control unit (PDU) of the cabinet is a modular type which can be easily attached or detached, supporting easy maintenance.



Front or Rear Serviceability

The product offers either front access or rear access, allowing customers to choose installation options according to their environment.



90° Corner Design Available

If you add a 90° corner option*, the GSCD series can deliver content effectively even when installed on the corners.

* Require purchase of 90° corner installable model.



IP Rated Weatherproof Design

The front and back of the cabinet are IP65 certified, allowing stable operation less affected by weather.



Compatibility with LG Software Solutions

When connected with LG's CVCA system controller, the GSCD series is compatible with LG software solutions including SuperSign CMS, LED Assistant, and ConnectedCare, which help customers operate their own business properly.

- * The availability of the 'LG ConnectedCare' service differs by region, and it needs to be purchased separately. So please contact the LG sales representative in your region for more details.
- * The items that can be monitored by LG ConnectedCare : Main Board (Temp., Signal Status, FPGA Ver, Ethernet Connection Status), Receiving Card (Temp., LED Power)
- * Actual GUI may vary in different webOS versions.
- * LG Software solutions needs to be purchased separately.

PRODUCT INFORMATION



GSCD Series

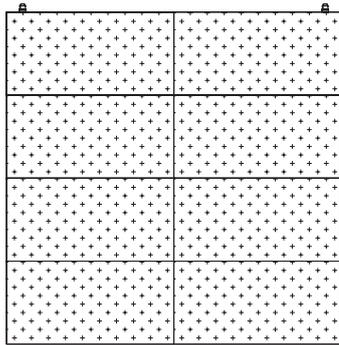
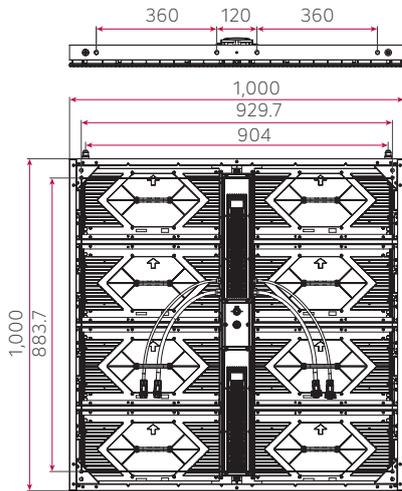
| | |
|----------------|---------------------------------|
| Pixel Pitch | 3.91 / 6.94 / 10.41 |
| Brightness | 5,000 / 7,000 nit |
| Cabinet Weight | 19.5 / 23 kg (P3.9) |
| | 18.5 / 10.4 kg (P6.9) |
| | 19.0 / 10.6 kg (P10, P12.5) |
| Serviceability | Front or Rear (Select One Only) |
| IP Rating | IP65 |

| Cabinet | Pixel Pitch 3.9 | | Pixel Pitch 6.9 | | Pixel Pitch 10 | |
|------------------|-----------------|-----------------------------|-----------------|-------------|----------------|--|
| | 5,000 nit | 5,000 nit | 7,000 nit | 5,000 nit | 7,000 nit | |
| 1,000 × 1,000 mm | GSCD039-KK | GSCD069-GN, GSCD069-KK | GSCD069-GR | GSCD100-GN | GSCD100-GR | |
| 1,000 × 500 mm | GSCD039-KK2 | GSCD069-GN2, GSCD069-KK2 | GSCD069-GR2 | GSCD100-GN2 | GSCD100-GR2 | |
| 500 × 1,000 mm | GSCD039-KK3 | GSCD069-GN3, GSCD069-KK3 | GSCD069-GR3 | GSCD100-GN3 | GSCD100-GR3 | |
| 500 × 500 mm | GSCD039-KK4 | GSCD069-GN4, GSCD069-KK4 | GSCD069-GR4 | GSCD100-GN4 | GSCD100-GR4 | |

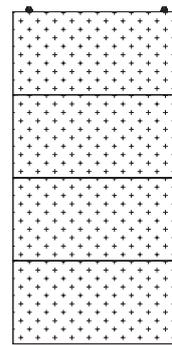
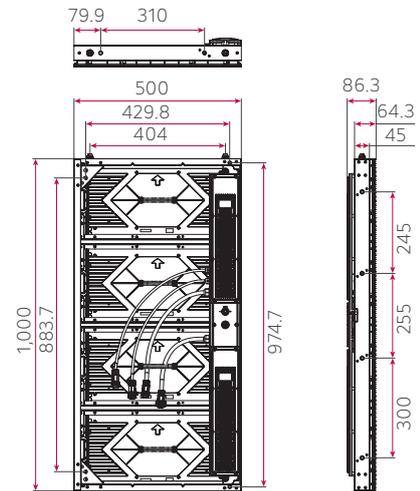
DIMENSION

(unit: mm)

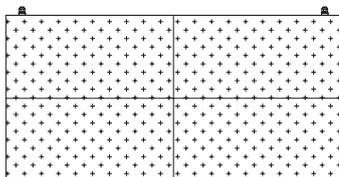
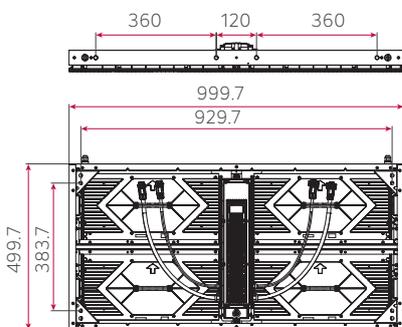
1,000 × 1,000



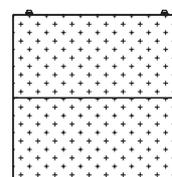
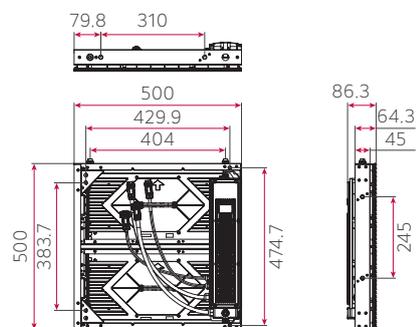
500 × 1,000



1,000 × 500



500 × 500



SPECIFICATIONS

(Pixel Pitch 3.9 / 5,000 nit)

| Panel | Model Name | GSCD039-KK | GSCD039-KK2 | GSCD039-KK3 | GSCD039-KK4 |
|---------------------------|---|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| | Pitch Name | P3.91 | P3.91 | P3.91 | P3.91 |
| Physical Parameters | Pixel Configuration | Single SMD | Single SMD | Single SMD | Single SMD |
| | Pixel Pitch (mm) | 3.91 | 3.91 | 3.91 | 3.91 |
| | Module Resolution (W × H) | 128 × 64 | 128 × 64 | 128 × 64 | 128 × 64 |
| | Module Dimensions (W × H, mm) | 500 × 250 | 500 × 250 | 500 × 250 | 500 × 250 |
| | Weight per Module (kg) | 1.35 | 1.35 | 1.35 | 1.35 |
| | No. of Modules per Cabinet (W × H) | 2 × 4 | 2 × 2 | 1 × 4 | 1 × 2 |
| | Cabinet Resolution (W × H) | 256 × 256 | 256 × 128 | 128 × 256 | 128 × 128 |
| | Cabinet Dimensions (W × H × D, mm) | 1,000 × 1,000 × 86.4 | 1,000 × 500 × 86.4 | 500 × 1,000 × 86.4 | 500 × 500 × 86.4 |
| | Cabinet Surface Area (m ²) | 1.000 | 0.500 | 0.500 | 0.250 |
| | Weight per Cabinet (kg/Cabinet) | 19.5 | 11.5 | 13.2 | 8.2 |
| | Weight per Square Meter (kg/m ²) | 19.5 | 23 | 26.4 | 32.8 |
| | Physical Pixel Density (pixels/m ²) | 65,536 | 65,536 | 65,536 | 65,536 |
| | Flatness of Cabinet (mm) | ±0.5 | ±0.5 | ±0.5 | ±0.5 |
| | Cabinet Material | Aluminum Profile | Aluminum Profile | Aluminum Profile | Aluminum Profile |
| | Service Access | Front or Rear (Select One Only) |
| Optical Specifications | Max. Brightness (After Calibration, nit) | 5,000 | 5,000 | 5,000 | 5,000 |
| | Color Temperature (K) | 3,500-9,000 | 3,500-9,000 | 3,500-9,000 | 3,500-9,000 |
| | Visual Viewing Angle (H × V) | 160 × 153 | 160 × 153 | 160 × 153 | 160 × 153 |
| | Brightness Uniformity | 97% | 97% | 97% | 97% |
| | Color Uniformity | ±0.003 Cx, Cy | ±0.003 Cx, Cy | ±0.003 Cx, Cy | ±0.003 Cx, Cy |
| | Contrast Ratio | 6,000 : 1 | 6,000 : 1 | 6,000 : 1 | 6,000 : 1 |
| | Processing Depth (bit) | 14 | 14 | 14 | 14 |
| Electrical Specifications | Power Consumption (W/Cabinet, Max.) | 660 | 330 | 330 | 165 |
| | Power Consumption (W/Cabinet, Avg.) | 220 | 110 | 110 | 55 |
| | Power Consumption (W/m ² , Max.) | 660 | 660 | 660 | 660 |
| | Heat Dissipation (BTU/h/Cabinet, Max.) | 2,252 | 1,126 | 1,126 | 563 |
| | Heat Dissipation (BTU/h/Cabinet, Avg.) | 751 | 375 | 375 | 188 |
| | Heat Dissipation (BTU/h/m ² , Max.) | 2,252 | 2,252 | 2,252 | 2,252 |
| | Power Supply (V) | 100 to 240 | 100 to 240 | 100 to 240 | 100 to 240 |
| | Frame Rate (Hz) | 50 / 60 | 50 / 60 | 50 / 60 | 50 / 60 |
| | Refresh Rate (Hz) | 3,840 | 3,840 | 3,840 | 3,840 |
| Operation Specifications | Operating Temperature (°C) | -30 to +50 | -30 to +50 | -30 to +50 | -30 to +50 |
| | Operating Humidity | 10-90% RH | 10-90% RH | 10-90% RH | 10-90% RH |
| | IP Rating Front / Rear | IP65 / IP65 | IP65 / IP65 | IP65 / IP65 | IP65 / IP65 |
| Certification | | CE / FCC / ETL |
| Environment | | RoHS | RoHS | RoHS | RoHS |
| Controller | | CVCA | CVCA | CVCA | CVCA |
| 90 Degree Corner Cut | | Yes | Yes | Yes | Yes |

* Signal redundancy is supported.

* Specifications are subject to change without notice. Please make sure to check the product manual for details about product usage.

SPECIFICATIONS

(Pixel Pitch 6.9 / 5,000 nit)

| Panel | Model Name | GSCD069-GN | GSCD069-GN2 | GSCD069-GN3 | GSCD069-GN4 |
|----------------------------------|---|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| | Pitch Name | P6.94 | P6.94 | P6.94 | P6.94 |
| Physical Parameters | Pixel Configuration | 3 in 1 | 3 in 1 | 3 in 1 | 3 in 1 |
| | Pixel Pitch (mm) | 6.94 | 6.94 | 6.94 | 6.94 |
| | Module Resolution (W × H) | 72 × 36 | 72 × 36 | 72 × 36 | 72 × 36 |
| | Module Dimensions (W × H, mm) | 500 × 250 | 500 × 250 | 500 × 250 | 500 × 250 |
| | Weight per Module (kg) | 1.30 | 1.30 | 1.30 | 1.30 |
| | No. of Modules per Cabinet (W × H) | 2 × 4 | 2 × 2 | 1 × 4 | 1 × 2 |
| | Cabinet Resolution (W × H) | 144 × 144 | 144 × 72 | 72 × 144 | 72 × 72 |
| | Cabinet Dimensions (W × H × D, mm) | 1,000 × 1,000 × 84.4 | 1,000 × 500 × 84.4 | 500 × 1,000 × 84.4 | 500 × 500 × 84.4 |
| | Cabinet Surface Area (m ²) | 1.000 | 0.500 | 0.500 | 0.250 |
| | Weight per Cabinet (kg/Cabinet) | 18.5 | 10.4 | 11.2 | 6.2 |
| | Weight per Square Meter (kg/m ²) | 18.5 | 20.8 | 22.4 | 24.8 |
| | Physical Pixel Density (pixels/m ²) | 20,736 | 20,736 | 20,736 | 20,736 |
| | Flatness of Cabinet (mm) | ±0.5 | ±0.5 | ±0.5 | ±0.5 |
| | Cabinet Material | Extrusion Aluminum | Extrusion Aluminum | Extrusion Aluminum | Extrusion Aluminum |
| | Service Access | Front or Rear (Select One Only) |
| Optical Specifications | Max. Brightness (After Calibration, nit) | 5,000 | 5,000 | 5,000 | 5,000 |
| | Color Temperature (K) | 3,200-9,300 | 3,200-9,300 | 3,200-9,300 | 3,200-9,300 |
| | Visual Viewing Angle (H × V) | 160 × 134 | 160 × 134 | 160 × 134 | 160 × 134 |
| | Brightness Uniformity | 97% | 97% | 97% | 97% |
| | Color Uniformity | ±0.003 Cx, Cy | ±0.003 Cx, Cy | ±0.003 Cx, Cy | ±0.003 Cx, Cy |
| | Contrast Ratio | 6,000 : 1 | 6,000 : 1 | 6,000 : 1 | 6,000 : 1 |
| | Processing Depth (bit) | 16 (HDR10, HDR10 Pro) |
| Electrical Specifications | Power Consumption (W/Cabinet, Max.) | 680 | 340 | 340 | 170 |
| | Power Consumption (W/Cabinet, Avg.) | 226 | 114 | 114 | 56 |
| | Power Consumption (W/m ² , Max.) | 680 | 680 | 680 | 680 |
| | Heat Dissipation (BTU/h/Cabinet, Max.) | 2,320 | 1,160 | 1,160 | 580 |
| | Heat Dissipation (BTU/h/Cabinet, Avg.) | 771 | 389 | 389 | 191 |
| | Heat Dissipation (BTU/h/m ² , Max.) | 2,320 | 2,320 | 2,320 | 2,320 |
| | Power Supply (V) | 100 to 240 | 100 to 240 | 100 to 240 | 100 to 240 |
| | Frame Rate (Hz) | 50 / 60 | 50 / 60 | 50 / 60 | 50 / 60 |
| | Refresh Rate (Hz) | 3,840 | 3,840 | 3,840 | 3,840 |
| Operation Specifications | LED Lifetime (Half Brightness) | 100,000 | 100,000 | 100,000 | 100,000 |
| | Operating Temperature (°C) | -30 to +50 | -30 to +50 | -30 to +50 | -30 to +50 |
| | Operating Humidity | 10-99% RH | 10-99% RH | 10-99% RH | 10-99% RH |
| | IP Rating Front / Rear | IP65 / IP65 | IP65 / IP65 | IP65 / IP65 | IP65 / IP65 |
| Certification | CE / FCC / ETL | CE / FCC / ETL | CE / FCC / ETL | CE / FCC / ETL | |
| Environment | RoHS | RoHS | RoHS | RoHS | |
| Controller | CVCA | CVCA | CVCA | CVCA | |
| 90 Degree Corner Cut | Yes | Yes | No | No | |

* Signal redundancy is supported.

* Specifications are subject to change without notice. Please make sure to check the product manual for details about product usage.

SPECIFICATIONS

(Pixel Pitch 6.9 / 5,000 nit)

| Panel | Model Name | GSCD069-KK | GSCD069-KK2 | GSCD069-KK3 | GSCD069-KK4 |
|----------------------------------|---|---------------------------------|---------------------------------|---------------------------------|------------------|
| | Pitch Name | P6.94 | P6.94 | P6.94 | P6.94 |
| Physical Parameters | Pixel Configuration | Single SMD | Single SMD | Single SMD | Single SMD |
| | Pixel Pitch (mm) | 6.94 | 6.94 | 6.94 | 6.94 |
| | Module Resolution (W × H) | 72 × 36 | 72 × 36 | 72 × 36 | 72 × 36 |
| | Module Dimensions (W × H, mm) | 500 × 250 | 500 × 250 | 500 × 250 | 500 × 250 |
| | Weight per Module (kg) | 1.30 | 1.30 | 1.30 | 1.30 |
| | No. of Modules per Cabinet (W × H) | 2 × 4 | 2 × 2 | 1 × 4 | 1 × 2 |
| | Cabinet Resolution (W × H) | 144 × 144 | 144 × 72 | 72 × 144 | 72 × 72 |
| | Cabinet Dimensions (W × H × D, mm) | 1,000 × 1,000 × 87.4 | 1,000 × 500 × 87.4 | 500 × 1,000 × 87.4 | 500 × 500 × 87.4 |
| | Cabinet Surface Area (m ²) | 1.000 | 0.500 | 0.500 | 0.250 |
| | Weight per Cabinet (kg/Cabinet) | 18.5 | 10.4 | 11.2 | 6.2 |
| | Weight per Square Meter (kg/m ²) | 18.5 | 20.8 | 22.4 | 24.8 |
| | Physical Pixel Density (pixels/m ²) | 20,736 | 20,736 | 20,736 | 20,736 |
| | Flatness of Cabinet (mm) | ±0.5 | ±0.5 | ±0.5 | ±0.5 |
| | Cabinet Material | Aluminum Profile | Aluminum Profile | Aluminum Profile | Aluminum Profile |
| Service Access | Front or Rear (Select One Only) | Front or Rear (Select One Only) | Front or Rear (Select One Only) | Front or Rear (Select One Only) | |
| Optical Specifications | Max. Brightness (After Calibration, nit) | 5,000 | 5,000 | 5,000 | 5,000 |
| | Color Temperature (K) | 3,500-9,000 | 3,500-9,000 | 3,500-9,000 | 3,500-9,000 |
| | Visual Viewing Angle (H × V) | 160 × 122 | 160 × 122 | 160 × 122 | 160 × 122 |
| | Brightness Uniformity | 97% | 97% | 97% | 97% |
| | Color Uniformity | ±0.003 Cx, Cy | ±0.003 Cx, Cy | ±0.003 Cx, Cy | ±0.003 Cx, Cy |
| | Contrast Ratio | 12,000 : 1 | 12,000 : 1 | 12,000 : 1 | 12,000 : 1 |
| | Processing Depth (bit) | 14 | 14 | 14 | 14 |
| Electrical Specifications | Power Consumption (W/Cabinet, Max.) | 660 | 330 | 330 | 165 |
| | Power Consumption (W/Cabinet, Avg.) | 220 | 110 | 110 | 55 |
| | Power Consumption (W/m ² , Max.) | 660 | 660 | 660 | 660 |
| | Heat Dissipation (BTU/h/Cabinet, Max.) | 2,252 | 1,126 | 1,126 | 563 |
| | Heat Dissipation (BTU/h/Cabinet, Avg.) | 751 | 375 | 375 | 188 |
| | Heat Dissipation (BTU/h/m ² , Max.) | 2,252 | 2,252 | 2,252 | 2,252 |
| | Power Supply (V) | 100 to 240 | 100 to 240 | 100 to 240 | 100 to 240 |
| | Frame Rate (Hz) | 50 / 60 | 50 / 60 | 50 / 60 | 50 / 60 |
| | Refresh Rate (Hz) | 3,840 | 3,840 | 3,840 | 3,840 |
| Operation Specifications | Operating Temperature (°C) | -30 to +50 | -30 to +50 | -30 to +50 | -30 to +50 |
| | Operating Humidity | 10-90% RH | 10-90% RH | 10-90% RH | 10-90% RH |
| | IP Rating Front / Rear | IP65 / IP65 | IP65 / IP65 | IP65 / IP65 | IP65 / IP65 |
| Certification | CE / FCC / ETL | CE / FCC / ETL | CE / FCC / ETL | CE / FCC / ETL | |
| Environment | RoHS | RoHS | RoHS | RoHS | |
| Controller | CVCA | CVCA | CVCA | CVCA | |
| 90 Degree Corner Cut | Yes | Yes | Yes | Yes | |

* Signal redundancy is supported.

* Specifications are subject to change without notice. Please make sure to check the product manual for details about product usage.

SPECIFICATIONS (Pixel Pitch 6.9 / 7,000 nit)

| Panel | Model Name | GSCD069-GR | GSCD069-GR2 | GSCD069-GR3 | GSCD069-GR4 |
|----------------------------------|---|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| | Pitch Name | P6.94 | P6.94 | P6.94 | P6.94 |
| Physical Parameters | Pixel Configuration | 3 in 1 | 3 in 1 | 3 in 1 | 3 in 1 |
| | Pixel Pitch (mm) | 6.94 | 6.94 | 6.94 | 6.94 |
| | Module Resolution (W × H) | 72 × 36 | 72 × 36 | 72 × 36 | 72 × 36 |
| | Module Dimensions (W × H, mm) | 500 × 250 | 500 × 250 | 500 × 250 | 500 × 250 |
| | Weight per Module (kg) | 1.30 | 1.30 | 1.30 | 1.30 |
| | No. of Modules per Cabinet (W × H) | 2 × 4 | 2 × 2 | 1 × 4 | 1 × 2 |
| | Cabinet Resolution (W × H) | 144 × 144 | 144 × 72 | 72 × 144 | 72 × 72 |
| | Cabinet Dimensions (W × H × D, mm) | 1,000 × 1,000 × 84.4 | 1,000 × 500 × 84.4 | 500 × 1,000 × 84.4 | 500 × 500 × 84.4 |
| | Cabinet Surface Area (m ²) | 1.000 | 0.500 | 0.500 | 0.250 |
| | Weight per Cabinet (kg/Cabinet) | 18.5 | 10.4 | 11.2 | 6.2 |
| | Weight per Square Meter (kg/m ²) | 18.5 | 20.8 | 22.4 | 24.8 |
| | Physical Pixel Density (pixels/m ²) | 20,736 | 20,736 | 20,736 | 20,736 |
| | Flatness of Cabinet (mm) | ±0.5 | ±0.5 | ±0.5 | ±0.5 |
| | Cabinet Material | Extrusion Aluminum | Extrusion Aluminum | Extrusion Aluminum | Extrusion Aluminum |
| | Service Access | Front or Rear (Select One Only) |
| Optical Specifications | Max. Brightness (After Calibration, nit) | 7,000 | 7,000 | 7,000 | 7,000 |
| | Color Temperature (K) | 3,200-9,300 | 3,200-9,300 | 3,200-9,300 | 3,200-9,300 |
| | Visual Viewing Angle (H × V) | 160 × 134 | 160 × 134 | 160 × 134 | 160 × 134 |
| | Brightness Uniformity | 97% | 97% | 97% | 97% |
| | Color Uniformity | ±0.003 Cx, Cy | ±0.003 Cx, Cy | ±0.003 Cx, Cy | ±0.003 Cx, Cy |
| | Contrast Ratio | 10,000 : 1 | 10,000 : 1 | 10,000 : 1 | 10,000 : 1 |
| | Processing Depth (bit) | 16 (HDR10, HDR10 Pro) |
| Electrical Specifications | Power Consumption (W/Cabinet, Max.) | 680 | 340 | 340 | 170 |
| | Power Consumption (W/Cabinet, Avg.) | 226 | 114 | 114 | 56 |
| | Power Consumption (W/m ² , Max.) | 680 | 680 | 680 | 680 |
| | Heat Dissipation (BTU/h/Cabinet, Max.) | 2,320 | 1,160 | 1,160 | 580 |
| | Heat Dissipation (BTU/h/Cabinet, Avg.) | 771 | 389 | 389 | 191 |
| | Heat Dissipation (BTU/h/m ² , Max.) | 2,320 | 2,320 | 2,320 | 2,320 |
| | Power Supply (V) | 100 to 240 | 100 to 240 | 100 to 240 | 100 to 240 |
| | Frame Rate (Hz) | 50 / 60 | 50 / 60 | 50 / 60 | 50 / 60 |
| | Refresh Rate (Hz) | 3,840 | 3,840 | 3,840 | 3,840 |
| Operation Specifications | LED Lifetime (Half Brightness) | 100,000 | 100,000 | 100,000 | 100,000 |
| | Operating Temperature (°C) | -30 to +50 | -30 to +50 | -30 to +50 | -30 to +50 |
| | Operating Humidity | 10-99% RH | 10-99% RH | 10-99% RH | 10-99% RH |
| | IP Rating Front / Rear | IP65 / IP65 | IP65 / IP65 | IP65 / IP65 | IP65 / IP65 |
| Certification | CE / FCC / ETL | CE / FCC / ETL | CE / FCC / ETL | CE / FCC / ETL | |
| Environment | RoHS | RoHS | RoHS | RoHS | |
| Controller | CVCA | CVCA | CVCA | CVCA | |
| 90 Degree Corner Cut | Yes | Yes | No | No | |

* Signal redundancy is supported.

* Specifications are subject to change without notice. Please make sure to check the product manual for details about product usage.

SPECIFICATIONS

(Pixel Pitch 10 / 5,000 nit)

| Panel | Model Name | GSCD100-GN | GSCD100-GN2 | GSCD100-GN3 | GSCD100-GN4 |
|----------------------------------|---|------------------------------------|------------------------------------|------------------------------------|-----------------------|
| | Pitch Name | P10.41 | P10.41 | P10.41 | P10.41 |
| Physical Parameters | Pixel Configuration | 3 in 1 | 3 in 1 | 3 in 1 | 3 in 1 |
| | Pixel Pitch (mm) | 10.41 | 10.41 | 10.41 | 10.41 |
| | Module Resolution (W × H) | 48 × 24 | 48 × 24 | 48 × 24 | 48 × 24 |
| | Module Dimensions (W × H, mm) | 500 × 250 | 500 × 250 | 500 × 250 | 500 × 250 |
| | Weight per Module (kg) | 1.30 | 1.30 | 1.35 | 1.35 |
| | No. of Modules per Cabinet (W × H) | 2 × 4 | 2 × 2 | 1 × 4 | 1 × 2 |
| | Cabinet Resolution (W × H) | 96 × 96 | 96 × 48 | 48 × 96 | 48 × 48 |
| | Cabinet Dimensions (W × H × D, mm) | 1,000 × 1,000 × 85.1 | 1,000 × 500 × 85.1 | 500 × 1,000 × 85.1 | 500 × 500 × 85.1 |
| | Cabinet Surface Area (m ²) | 1.000 | 0.500 | 0.500 | 0.250 |
| | Weight per Cabinet (kg/Cabinet) | 19.0 | 10.6 | 10.6 | 6.5 |
| | Weight per Square Meter (kg/m ²) | 19.0 | 21.2 | 21.2 | 26.0 |
| | Physical Pixel Density (pixels/m ²) | 9,216 | 9,216 | 9,216 | 9,216 |
| | Flatness of Cabinet (mm) | ±0.5 | ±0.5 | ±0.5 | ±0.5 |
| | Cabinet Material | Extrusion Aluminum | Extrusion Aluminum | Extrusion Aluminum | Extrusion Aluminum |
| Service Access | Front or Rear (Select One Only) | Front or Rear (Select One Only) | Front or Rear (Select One Only) | Front or Rear (Select One Only) | |
| Optical Specifications | Max. Brightness (After Calibration, nit) | 5,000 | 5,000 | 5,000 | 5,000 |
| | Color Temperature (K) | 3,200-9,300 | 3,200-9,300 | 3,200-9,300 | 3,200-9,300 |
| | Visual Viewing Angle (H × V) | 160 × 136 | 160 × 136 | 160 × 136 | 160 × 136 |
| | Brightness Uniformity | 97% | 97% | 97% | 97% |
| | Color Uniformity | ±0.003 Cx, Cy | ±0.003 Cx, Cy | ±0.003 Cx, Cy | ±0.003 Cx, Cy |
| | Contrast Ratio | 10,000 : 1 | 10,000 : 1 | 10,000 : 1 | 10,000 : 1 |
| | Processing Depth (bit) | 16 (HDR10, HDR10 Pro) | 16 (HDR10, HDR10 Pro) | 16 (HDR10, HDR10 Pro) | 16 (HDR10, HDR10 Pro) |
| Electrical Specifications | Power Consumption (W/Cabinet, Max.) | 650 | 330 | 330 | 165 |
| | Power Consumption (W/Cabinet, Avg.) | 216 | 110 | 110 | 55 |
| | Power Consumption (W/m ² , Max.) | 650 | 660 | 660 | 660 |
| | Heat Dissipation (BTU/h/Cabinet, Max.) | 2,218 | 1,126 | 1,126 | 563 |
| | Heat Dissipation (BTU/h/Cabinet, Avg.) | 737 | 375 | 375 | 188 |
| | Heat Dissipation (BTU/h/m ² , Max.) | 2,218 | 2,252 | 2,252 | 2,252 |
| | Power Supply (V) | 100 to 240 | 100 to 240 | 100 to 240 | 100 to 240 |
| | Frame Rate (Hz) | 50 / 60 | 50 / 60 | 50 / 60 | 50 / 60 |
| | Refresh Rate (Hz) | 3,840 | 3,840 | 3,840 | 3,840 |
| Operation Specifications | LED Lifetime (Half Brightness) | 100,000 | 100,000 | 100,000 | 100,000 |
| | Operating Temperature (°C) | -30 to +50 | -30 to +50 | -30 to +50 | -30 to +50 |
| | Operating Humidity | 10-99% RH | 10-99% RH | 10-99% RH | 10-99% RH |
| | IP Rating Front / Rear | IP65 / IP65 | IP65 / IP65 | IP65 / IP65 | IP65 / IP65 |
| Certification | CE / FCC / ETL | CE / FCC / ETL | CE / FCC / ETL | CE / FCC / ETL | |
| Environment | RoHS | RoHS | RoHS | RoHS | |
| Controller | CVCA | CVCA | CVCA | CVCA | |
| 90 Degree Corner Cut | Yes | Yes | No | No | |

* Signal redundancy is supported.

* Specifications are subject to change without notice. Please make sure to check the product manual for details about product usage.

SPECIFICATIONS

(Pixel Pitch 10 / 7,000 nit)

| Panel | Model Name | GSCD100-GR | GSCD100-GR2 | GSCD100-GR3 | GSCD100-GR4 |
|----------------------------------|---|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| | Pitch Name | P10.41 | P10.41 | P10.41 | P10.41 |
| Physical Parameters | Pixel Configuration | 3 in 1 | 3 in 1 | 3 in 1 | 3 in 1 |
| | Pixel Pitch (mm) | 10.41 | 10.41 | 10.41 | 10.41 |
| | Module Resolution (W × H) | 48 × 24 | 48 × 24 | 48 × 24 | 48 × 24 |
| | Module Dimensions (W × H, mm) | 500 × 250 | 500 × 250 | 500 × 250 | 500 × 250 |
| | Weight per Module (kg) | 1.35 | 1.35 | 1.35 | 1.35 |
| | No. of Modules per Cabinet (W × H) | 2 × 4 | 2 × 2 | 1 × 4 | 1 × 2 |
| | Cabinet Resolution (W × H) | 96 × 96 | 96 × 48 | 48 × 96 | 48 × 48 |
| | Cabinet Dimensions (W × H × D, mm) | 1,000 × 1,000 × 85.1 | 1,000 × 500 × 85.1 | 500 × 1,000 × 85.1 | 500 × 500 × 85.1 |
| | Cabinet Surface Area (m ²) | 1.000 | 0.500 | 0.500 | 0.250 |
| | Weight per Cabinet (kg/Cabinet) | 19.0 | 10.6 | 10.6 | 6.5 |
| | Weight per Square Meter (kg/m ²) | 19.0 | 21.2 | 21.2 | 26.0 |
| | Physical Pixel Density (pixels/m ²) | 9,216 | 9,216 | 9,216 | 9,216 |
| | Flatness of Cabinet (mm) | ±0.5 | ±0.5 | ±0.5 | ±0.5 |
| | Cabinet Material | Extrusion Aluminum | Extrusion Aluminum | Extrusion Aluminum | Extrusion Aluminum |
| | Service Access | Front or Rear (Select One Only) |
| Optical Specifications | Max. Brightness (After Calibration, nit) | 7,000 | 7,000 | 7,000 | 7,000 |
| | Color Temperature (K) | 3,200-9,300 | 3,200-9,300 | 3,200-9,300 | 3,200-9,300 |
| | Visual Viewing Angle (H × V) | 160 × 136 | 160 × 136 | 160 × 136 | 160 × 136 |
| | Brightness Uniformity | 97% | 97% | 97% | 97% |
| | Color Uniformity | ±0.003 Cx, Cy | ±0.003 Cx, Cy | ±0.003 Cx, Cy | ±0.003 Cx, Cy |
| | Contrast Ratio | 14,000 : 1 | 14,000 : 1 | 14,000 : 1 | 14,000 : 1 |
| | Processing Depth (bit) | 16 (HDR10, HDR10 Pro) |
| Electrical Specifications | Power Consumption (W/Cabinet, Max.) | 650 | 330 | 330 | 165 |
| | Power Consumption (W/Cabinet, Avg.) | 216 | 110 | 110 | 55 |
| | Power Consumption (W/m ² , Max.) | 650 | 660 | 660 | 660 |
| | Heat Dissipation (BTU/h/Cabinet, Max.) | 2,218 | 1,126 | 1,126 | 563 |
| | Heat Dissipation (BTU/h/Cabinet, Avg.) | 737 | 375 | 375 | 188 |
| | Heat Dissipation (BTU/h/m ² , Max.) | 2,218 | 2,252 | 2,252 | 2,252 |
| | Power Supply (V) | 100 to 240 | 100 to 240 | 100 to 240 | 100 to 240 |
| | Frame Rate (Hz) | 50 / 60 | 50 / 60 | 50 / 60 | 50 / 60 |
| | Refresh Rate (Hz) | 3,840 | 3,840 | 3,840 | 3,840 |
| Operation Specifications | LED Lifetime (Half Brightness) | 100,000 | 100,000 | 100,000 | 100,000 |
| | Operating Temperature (°C) | -30 to +50 | -30 to +50 | -30 to +50 | -30 to +50 |
| | Operating Humidity | 10-99% RH | 10-99% RH | 10-99% RH | 10-99% RH |
| | IP Rating Front / Rear | IP65 / IP65 | IP65 / IP65 | IP65 / IP65 | IP65 / IP65 |
| Certification | CE / FCC / ETL | CE / FCC / ETL | CE / FCC / ETL | CE / FCC / ETL | |
| Environment | RoHS | RoHS | RoHS | RoHS | |
| Controller | CVCA | CVCA | CVCA | CVCA | |
| 90 Degree Corner Cut | Yes | Yes | No | No | |

* Signal redundancy is supported.

* Specifications are subject to change without notice. Please make sure to check the product manual for details about product usage.

SPECIFICATIONS (Controller)

| Parameters | Model Name | CVCA |
|------------------|--------------------------------------|-----------------------|
| Max Output Range | Loading Capacity | 3,840 × 2,160 @ 60Hz |
| | Max Output Range | No |
| | Output Resolution | 8.2944 Million Pixels |
| Input | HDMI | HDMI 2.0 |
| | HDCP | HDCP 2.2 |
| | DP | DP 1.2 / HDCP 2.2 |
| | DVI | No |
| | SDI | No |
| | OPS | Yes |
| Output | HDMI | No |
| | DP | No |
| | DVI | No |
| | Optic (To LED Screen) | No |
| | Ethernet (To LED Screen) | Yes (16-channel) |
| | SDI | No |
| Control | LAN | Yes |
| | USB | No |
| | RS-232C | Yes (LOOP) |
| | GenLock | No |
| Sensor | Ambient Light | No |
| | Temperature | Yes |
| Video Processing | Brightness Adjustment | Yes |
| | Chroma Adjustment | Yes |
| | Improved Grayscale at Low Brightness | Yes |
| | Scaling | Yes |
| | HDR | HDR10 Pro |
| | EDID Custom | No |
| Application | CMS | SuperSign CMS |
| | webOS API | Yes |
| | LG ConnectedCare | Yes |
| | Configuration SW | LED Assistant |
| Mechanical | Size (W × H × D, mm) | 443 × 63 × 307.5 |
| | Weight (kg) | 4.9 |

As a continuing policy of product development at LG Electronics, the design and specifications are subject to change. They may vary from model to model. Colour/shades may vary due to printing restrictions. E&OE.



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