



LG LED DISPLAY

INFORMATION DISPLAY AND SOLUTIONS 2021

LED

Various Designs for Customer's Demands,
Offers Great Visual Effects Through High Durability

LG boasts unprecedented visual performance and stability by expanding its industry-leading display technology to LED signage. LG also has a variety of lineups to offer customized solutions in the indoor/outdoor environment.





LED KEY FEATURE



Meeting Room / Board Room

Not only does the large bezel-free size increase the concentration of participants, but it also enables a hassle-free meeting by delivering details of various content clearly including text and videos, with excellent picture quality.

Related Products :
LSAA, LSAB, LAAF, LAEB



Lobby / Auditorium

In addition to the role of greeting visitors and providing information, it makes a company's inner space more unique with customized design and size, which makes it a landmark symbolizing the company's identity.

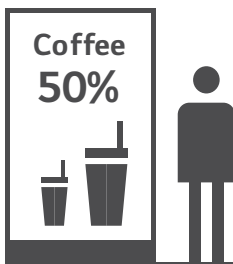
Related Products :
LSAA, LSAB, LAAF, LAT, LAS-F, LSCB, LSCA



Control Room

Infinite scaling is possible in response to the various sizes of control rooms, and bezel-less design enables complete monitoring without blind spots of information. In addition, LG's strict quality management, Signal & Power Redundancy and systematic services ensure more stable operation in the control room, which operates 24 hours a day.

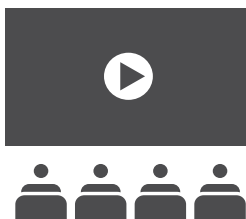
Related Products :
LSAA, LSAB, LAPE



Retail

By turning a shopping spot into an entertainment space, it makes customers stay more and maximizes profits by increased consumption and advertising effect. 90° Corner design available.

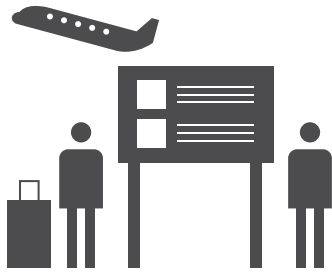
Related Products :
LAT, LAPE, LSCA, LSCB



Theater

It produces more vivid colors with increased immersion through a DCI-certified LED screen. Also, the compatibility with Dolby Media Server & Dolby Atmos, as well as efficient space use thanks to not requiring an additional projection room ensures immersive cinema experiences and stable operation.

Related Products :
LADF

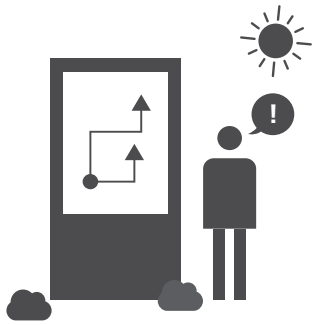


Transportation

With 24 hours of stable operation, customizable size for various spaces, designs to reflect spatial identity, and viewing angle to reproduce accurate colors from any point of view, it provides real-time information smoothly and ensures excellent advertising delivery.

Related Products :

LSAA, LSAB, LAPE, LAS-F, LSCA, LSCB



DOOH

It has high visibility that attracts the attention of passersby among the flood of information. It also has durability to withstand harsh weather conditions & outer impacts and enhances the value of a building with maximized advertising effect.

Related Products :

GSCA, GSCD

INDOOR LED LINE UP



LG Magnit

LSAB | P0.94

Brightness	600 nit (Peak 1,200 nit)
Contrast Ratio	150,000 : 1 @10lux
Cabinet Size (W x H x D)	600 x 337.5 x 44.9 mm
Cabinet Weight	7 kg
Serviceability	Front and Rear
Design Feature	Chip on Board Cable-less Installation, Optional Frame for UHD Package, HDR10, HDR10 Pro
EMC	EMC Class "B"



LED Bloc

LSAA | P1.25

Brightness	600 nit (Peak 1,200 nit)
Contrast Ratio	4,000 : 1 (Peak 8,000 : 1)
Cabinet Size (W x H x D)	600 x 337.5 x 44.9 mm
Cabinet Weight	7.3 kg
Serviceability	Front and Rear (Module: Front Only)
Design Feature	4 in 1 Package Cable-less Installation, Optional Frame for FHD/UHD Package, HDR10, HDR10 Pro
EMC	EMC Class "B"

* Based on P1.25 specification



reddot winner 2020



Real Curve Series

LAPE | P1.50 P2.00 P2.50

Brightness	1,000 nit (Remote Power) 700 nit (Embedded Power)
Contrast Ratio	6,000 : 1
Cabinet Size (W x H x D)	480 x 540 x 53 mm (Remote Power) 480 x 540 x 105 mm (Embedded Power)
Cabinet Weight	6.0 kg (Remote Power), 10.1 kg (Embedded Power)
Serviceability	Front and Rear
Design Feature	±1,000R Curved Installation

*Product lineups may differ by region. For more details of the products, please check with the data sheet of each product.



LED Cinema

LADF | P3.33

Brightness	48 nit (DCI-compliant)
Screen Resolution	4,096 × 2,160 (4K / DCI-compliant)
Contrast Ratio	4,000 : 1 (Minimum)
Color Space (Gamut)	DCI-P3 (DCI-compliant)
4K Total Size (W × H)	14,080 × 7,200 mm
4K Total Weight	2,640.0 kg



130 All-in-one Premium Series

LAAF | P1.50

Brightness	500 nit
Contrast Ratio	5,000 : 1
Screen Size (W × H × D)	2,880 × 1,620 × 128.5 mm (Based on Full HD)
Screen Weight	162.0 kg
Serviceability	Front and Rear
Design Feature	Optional Stand, Embedded System Controller and Surface Sound, HDR10, HDR10 Pro, Optional Floor Stand
Sound	4.5W x 36 built-in Exciter Speakers



136 All-in-one Essential Series

LAEB | P1.56

Brightness	800 nit
Contrast Ratio	3,000 : 1
Screen Size (W × H × D)	3,000 × 1,678 × 35.5 mm (Based on Full HD)
Screen Weight	140.0 kg
Serviceability	Front
Design Feature	Optional Stand, Embedded System Controller and Surface Sound, HDR10, HDR10 Pro, Optional Floor Stand

INDOOR LED LINE UP



* This is for illustrative purpose only.

Transparent LED Film

LAT | P24

Brightness	1,000 nit
Transparency	≥73%
Contrast Ratio	≥100,000 : 1
Film Size	668 × 480 × 2.0 mm (with Front & Back Protection Film)
Film Weight	0.73 kg
Film Trimming	Yes (Parallel to the Bezel Side Only)
Design Feature	Self-adhesive, ±1,100R Curved Installation (Glass Only)



* This is for illustrative purpose only.

Transparent LED Film

LAT | P14

Brightness	2,100 nit
Transparency	53%
Contrast Ratio	≥100,000 : 1
Film Size	655 × 492 × 2.7 mm (with Front & Back Protection Film)
Film Weight	0.94 kg
Film Trimming	Yes (Parallel to the Bezel Side Only)
Design Feature	Self-adhesive



Fine-pitch Essential Series

LAS-F | P0.94 P1.26 P1.45 P1.57 P1.89 P2.52

Brightness	600 nit
Contrast Ratio	7,000 : 1
Cabinet Size (W × H × D)	604.8 × 340.2 × 72.5 mm
Cabinet Weight	7.2 kg
Serviceability	Front
Design Feature	Cable-less Installation
IP Rating	IP5X

*Product lineups may differ by region. For more details of the products, please check with the data sheet of each product.



Versatile Series

LSCA | P2.97 P3.91

Brightness	1,000 nit
Cabinet Size (W x H x D)	500 x 1,000 x 66 mm 500 x 500 x 66 mm
Cabinet Weight	8.0 kg - 14.0 kg
Serviceability	Front or Rear (One Option Only)
Design Feature	90° Corner Option
IP Rating	IP30



Ultra Slim Series

LSCB | P1.56 P1.87 P2.50

Brightness	800 nit
Cabinet Size (W x H x D)	600 x 337.5 x 35 mm
Cabinet Weight	5.2 kg
Serviceability	Front
Design Feature	90° Corner Option, Fire Resistant (BS 476 Part 7 Certified)
EMC	EMC Class "B"
IP Rating	IP30

OUTDOOR LED LINE UP



Versatile Series

GSCA | P3.91 P4.63

Brightness	5,000 nit
Cabinet Size (W x H x D)	P3.91: 500 x 1,000 x 66 mm / 500 x 500 x 66 mm P4.63: 500 x 1,000 x 67 mm / 500 x 500 x 67 mm
Cabinet Weight	12.0 kg (Half-sized Cabinet 8.0 kg)
Serviceability	Front or Rear (One Option Only)
Design Feature	90° Corner Option
IP Rating	IP65



Ultra Light Series

GSCD | P10.4 P6.95

Brightness	5,000 nit
Cabinet Size (W x H x D)	1,000 x 1,000 x 86 mm / 1,000 x 500 x 86 mm
Cabinet Weight	19.0 kg (Half-sized Cabinet 10.6 kg)
Serviceability	Front or Rear (One Option Only)
IP Rating	IP65

	Model Name	LSAB009-M1	LSAA012-MX
Physical Parameters	Pitch Name	P0.9	P1.2
	Pixel Configuration	COB	4 in 1
	Pixel Pitch(mm)	0.938	1.25
	Module Resolution (WxH)	160 x 180	240x90
	Module Dimensions (WxH,mm)	150 x 168.8	300x112.5
	Weight per Module (kg)	0.15	0.20
	LED Package Manufacturer	HC Semitek	Xindeco
	No. of Modules per Cabinet (WxH)	8 (4x2)	2x3
	Cabinet Resolution (WxH)	640 x 360	480x270
	Cabinet Dimensions (W x H x D, mm)	600x337.5x44.9	600x337.5x44.9
	Cabinet Surface Area (m ²)	0.203	0.203
	Weight per Cabinet (kg/unit)	7.0	7.3
	Weight per Square Meter (kg/m ²)	34.6	36.1
	Physical Pixel Density (pixels/m ²)	1,137,778	640,000
	Flatness of Cabinet (mm)	±0.5	±0.5
	Cabinet material	Die-casting Aluminum	Die-casting Aluminum
	Service access	Front and Rear	Front and Rear
Optical Specifications	Brightness (After Calibration, nit)	Peak 1,200 / Max. 600	Peak. 1,200 / Max. 600
	Color Temperature (K)	7,300K / 3,200-9,300K	6,500K / 2,800-9,300K
	Visual Viewing Angle (Horizontal)	160°	170
	Visual Viewing Angle (Vertical)	160°	170
	Brightness Uniformity	95%	98%
	Color Uniformity	±0.02	±0.015Cx,Cy
	Contrast Ratio	150,000:1 @10lux	Peak 8,000:1 /Max. 4,000:1
	Processing Depth (bit)	20 (HDR10, HDR10 Pro)	20 (HDR10, HDR10 Pro)
Electrical Specifications	Power Consumption (W/Cabinet, Max.)	125	112
	Power Consumption (W/Cabinet, Avg.)	85	67
	Power Consumption (W/m ² , Max.)	617	555
	Power Consumption (BTU/h/Cabinet, Max.)	0	383
	Power Consumption (BTU/h/Cabinet, Avg.)	0	230
	Power Consumption (BTU/h/m ² , Max.)	0	1,894
	Power Supply (V)	100 to 240	100 to 240
	Frame Rate (Hz)	50 / 60	50 / 60
	Refresh Rate (Hz)	3,840	3,840
	Inrush Current (Typ, A@VA)	Typ 130A (220Vac@50Hz) 25°C, cold booting (Include Power Redundancy)	Typ 130A (220Vac@50Hz) 25°C, cold booting (Include Power Redundancy)
	Leakage Current (mA)	Typ 0.6MA (220Vac@50HZ) (Include Power Redundancy)	Typ 0.6MA (220Vac@50HZ) (Include Power Redundancy)
Operation Specifications	LED Lifetime (Half brightness)	100,000	100,000
	Operating Temperature(°C)	0 to +40	0 to +40
	Operating Humidity	10-80%RH	10-80%RH
	IP rating Front	IP50	IP20
	IP rating Rear	IP20	IP20
Certification	Safety 60950-1, EMC Class A, BS476 Part7 Class1	Safety 60950-1, EMC Class B, BS476 Part7 Class1	
Environment	RoHs	RoHS	
Controller	CSAB-009X	CSAA-012X	

	Model Name	LAP015EL7B	LAP020EL7B	LAP025EL7B
Physical Parameters	Pitch Name	P1.5	P2.0	P2.5
	Pixel Configuration	3 in 1	3 in 1	3 in 1
	Pixel Pitch (mm)	1.50	2.00	2.50
	Module Resolution (WxH)	160x120	120x90	96x72
	Module Dimensions (WxH,mm)	240x180	240x180	240x180
	Weight per Module (kg)	0.36	0.36	0.36
	LED Package Manufacturer	DSJB	DSJB	DSBJ
	No. of Modules per Cabinet (WxH)	2x3	2x3	2x3
	Cabinet Resolution (WxH)	320x360	240x270	192x216
	Cabinet Dimensions (W x H x D, mm)	480x540x53	480x540x53	480x540x53
	Cabinet Surface Area (m ²)	0.260	0.260	0.260
	Weight per Cabinet (kg/unit)	6.0	6.0	6.0
	Weight per Square Meter (kg/m ²)	22.2	21.8	21.3
	Physical Pixel Density (pixels/m ²)	444,444	250,000	160,000
	Flatness of Cabinet (mm)	±0.2	±0.2	±0.2
	Cabinet material	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum
Service access	Front and Rear	Front and Rear	Front and Rear	
Optical Specifications	Brightness (After Calibration, nit)	10001	10001	10001
	Color Temperature (K)	3,200 - 9,300	3,200 - 9,300	3,200 - 9,300
	Visual Viewing Angle (Horizontal)	160	160	160
	Visual Viewing Angle (Vertical)	140	140	140
	Brightness Uniformity	95%	95%	95%
	Color Uniformity	±0.015Cx,Cy	±0.015Cx,Cy	±0.015Cx,Cy
	Contrast Ratio	6,000	6,000	6,000
	Processing Depth (bit)	16 (HDR10)	16 (HDR10)	16 (HDR10)
Electrical Specifications	Power Consumption (W/Cabinet, Max.)	318	285	143
	Power Consumption (W/Cabinet, Avg.)	130.00	104	52
	Power Consumption (W/m ² , Max.)	1225	1100	550
	Power Consumption (BTU/h/Cabinet, Max.)	1084	972	488
	Power Consumption (BTU/h/Cabinet, Avg.)	443.30	355	177
	Power Consumption (BTU/h/m ² , Max.)	4,177	3751	1876
	Power Supply (V)	100 to 240	100 to 240	100 to 240
	Frame Rate (Hz)	50 / 60	50 / 60	50 / 60
	Refresh Rate (Hz)	3,840	3,840	3,840
	Inrush Current (Typ, A@VA)	Typ 130A (220Vac@50Hz) 25°C, Cold Booting (PSU 4EA)	Typ 130A (220Vac@50Hz) 25°C, Cold Booting (PSU 4EA)	Typ 130A (220Vac@50Hz) 25°C, Cold Booting (PSU 4EA)
	Leakage Current (mA)	Typ 1.3MA (220Vac@50HZ)	Typ 1.3MA (220Vac@50HZ)	Typ 1.3MA (220Vac@50HZ)
Operation Specifications	LED Lifetime (Half brightness)	100,000	100,000	50,000
	Operating Temperature(°C)	0 to +40	0 to +40	0 to +40
	Operating Humidity	10-80%RH	10-80%RH	10-80%RH
	IP rating Front	-	-	-
	IP rating Rear	-	-	-
Certification	FCC Class A / CE / KC	FCC Class A / CE / KC	FCC Class A / CE / KC	
Environment	RoHS	RoHS	RoHS	
Controller	LCLG003-A	LCLG003-A	LCLG003-B	

	Model Name	LAD033F	
Physical / Electrical Parameters	Pitch	3.3	
	LED Type	SMD	
	Pixels Per LED Module	8,640	
	Aspect Ratio (per Cabinet)	64:90	
	Resolution (per Cabinet)	192x270	
	Pixel Per Cabinet	51,840	
	Pixel Density (Per SQM)	90,000	
	Frame(Video) Rate	24 Hz, 25Hz, 30Hz, 48Hz, 50Hz, 60Hz	
	Brightness (After calibration)	48 nit (DCI-compliant)	
	Contrast Ratio	4000:1 (minimum)	
	Color Space (Gamut)	DCI - P3 (DCI-compliant)	
	Viewing Angle (Horizontal, Vertical)	120, 120	
	Color Depth	12 bit (DCI-compliant)	
	Chromaticity Uniformity	In case of White: $\text{ithin } \pm 0.015 \text{ x, } \pm 0.015 \text{ y}$	
	Color Temperature (white)	$(\text{x, y}) = (0.314, 0.351)$ / DCI-P3 theater	
	Color Temperature (R,G,B)	DCI-P3 theater R: $(\text{xy}) = (0.68, 0.32)$ G: $(\text{xy}) = (0.265, 0.690)$ xy) = (0.15, 0.06)	
	Lift time (Typ.)	100,000 Hours	
	Operation Hours	16 Hours per day / 7 days per week	
	Optical Parameters	Modules per Cabinet	6 (2 x 3)
		Dimension (LDM)	320mm x 300mm
Dimension (per Cabinet)		640mm x 900mm x 124mm (including handle)	
Dimension (4K, Total)		14,080mm x 7,200mm (101 sqm)	
Dimension (4K, Active area)		13,653mm x 7,200mm (98 sqm)	
Weight (per cabinet)		15 kg	
Weight (4K, Total)		2,640	
Material of Cabinet Body		Aluminum	
Heat Generation (per cabinet)		221 BTU (max) / 73 BTU (typ)	
Serviceability		Rear only	
Power Supply		AC100-240 V -, 50/60 Hz	
Power Type		Built-in Power	
Power Consumption (Max, per cabinet)		90 watt (Main) / 52 watt (Secondary)	
Power Consumption (Max, 4K)		Max. 9,260 watt	
Certification		DCI, CB, CE-LVD/EMC, FCC, ETL/UL, RoHS, REACH	
Supported Media Server		Dolby * IMS3000	
Interface		RJ45	
Operation Temperature		0°C to 40°C	
Operation Humidity		10% to 80%	
Storage Temperature		-20°C to 60°C (-4°F to 140°F)	
Storage Humidity	5% to 85%		

	Model Name	LAA015FL7B1/2	LAA015FL9B5/6
Physical Parameters	Pitch Name	P1.5	P1.5
	Pixel Configuration	3 in 1 SMD	3 in 1 SMD
	Pixel Pitch(mm)	1.5	1.5
	Screen Resolution (WxH)	1,920 x 1,080	1,920 x 1,080
	Screen Dimension (W x H x D,mm)	2,880 x 1,620 x 128.5 (w/o Screen Frame)	2,880 x 1,620 x 128.5 (w/o Screen Frame)
	Screen Weight (kg)	175 (w/o Screen Frame)	162 (w/o Screen Frame)
	No. of Unit Case per Screen (WxH)	3 x 3	3 x 3
	No. of Modules per Unit Case (WxH)	4 x 3	4 x 3
	Unit Case Resolution (WxH)	640 x 360	640 x 360
	Unit Case Demension (WxHxD, mm)	960 x 540 x 128.5	960 x 540 x 128.5
	Unit Case Surface Area (m2)	0.52	0.52
	Weight per Unit Case (kg/unit)	Main: 20.85, Secondary: 19.24	Main: 19.34, Secondary 17.84
	Weight per Square Meter (kg/m2)	37.6	34.72
	Physical Pixel Density (pixel/m2)	444,444	444,444
	Flatness of Unit Case (mm)	±0.2	±0.2
	Unit Case Material	Front : Die Casting Aluminum Rear : PC+ABS	Front : Die Casting Aluminum Rear : PC+ABS
	Servie Access	Front and Rear	Front and Rear
Optical Specifications	Max. Brightness	500 cd/m2	500 cd/m2
	Color Temperature	6,500	6,500
	Visual Viewing Angle (Horizontal)	160	160
	Visual Viewing Angle (Vertical)	140	140
	Brightness Uniformity	95%	95%
	Color Uniformity	±0.015Cx,Cy	±0.015Cx,Cy
	Contrast Ratio	5,000	5,000
	Processing Depth (bit)	16(HDR10, HDR10 Pro)	16(HDR10, HDR10 Pro)
Electrical Specifications	Power Consumption (W/Screen, Max)	2,900	2,900
	Power Consumption (W/Screen, Avg.)	980	980
	Power Consumption (W/m2, Max)	622	622
	Power Supply (V)	100 to 240	100 to 240
	Frame Rate (Hz)	50 / 60	50 / 60
	Refresh Rate (Hz)	3,840	3,840
	Sound Output (Max)	162W	162W
Operation Specifications	LED Lifetime (Half Brightness)	100,000	100,000
	Operating Temperature (°C)	0 to +40	0 to +40
	Operating Humidity	10-80% RH	10-80% RH
Connectivity (Embeded Controller)	Video Inputs	HDMI In(3), DP In, USB 2.0	HDMI In(3), DP In, USB 2.0
	Control	RJ45 In, RS232C In/Out	RJ45 In, RS232C In/Out
	Special Features	Temperature Sensor, Ambient Light Sesnsor, Crestron Connected	Temperature Sensor, Ambient Light Sesnsor, Crestron Connected
SW	Platform	webOS4.0	webOS4.0
	Support	Signage365 Care, SuperSign CMS	Signage365 Care, SuperSign CMS, LG Presenter
	Certification	IEC 60950-1 / EN 60950-1 / FCC Class A / CE / KC	IEC 60950-1 / EN 60950-1 / FCC Class A / CE / KC
	Environment	RoHS	RoHS
	Basic Accessory	Data Cable, LAN Cable, Power Cord, RS232C Gender (9pin to Phone Jack), Remote Controller, IR Receiver, Battery (AAA), Manual	Data Cable, LAN Cable, Power Cord, RS232C Gender (9pin to Phone Jack), Remote Controller, IR Receiver, Battery (AAA), Manual

	Model Name	LAEB015-GN
Physical Parameters	Pitch Name	P1.56
	Pixel Configuration	3 in 1 SMD
	Pixel Pitch(mm)	1.563
	Screen Resolution	1,920x1,080
	Module Dimensions(WxH,mm)	250x281.25
	No. of Modules per Screen (WxH)	12x6 (Total 72)
	Screen Resolution (WxH)	1,920x1,080
	Screen Dimensions (W x H x D, mm, including bezel)	3,004.6x1692.1x35.5
	Screen Dimensions (W x H x D, mm)	3,000x1687.5x35.5
	Screen Surface Area (m ²)	5.06
	Weight of the screen	131
	Physical Pixel Density (pixels/m)	409,600
	Flatness of Unit Case (mm)	±0.2
	Unit Case material	Aluminum
	Service access	Front
Optical Specifications	Min. Brightness (After Calibration)	800
	Color Temperature	6,500
	Visual Viewing Angle (Horizontal)	160
	Visual Viewing Angle (Vertical)	160
	Brightness Uniformity	98%
	Color Uniformity	±0.015Cx,Cy
	Contrast Ratio	3,000
	Processing Depth (bit)	16
Electrical Specifications	Power Consumption (W/Screen, Max.)	3,000
	Power Consumption (W/Screen, Avg.)	1,200
	Power Consumption (W/m ² , Max.)	593
	Power Consumption (BTU/h/Screen, Max.)	10236BTU/hr
	Power Consumption (BTU/h/Screen, Avg.)	4094.4BTU/hr
	Power Consumption (BTU/h/m ² , Max.)	2022BTU/hr/m2
	Power Supply (V)	100 to 240
	Frame Rate (Hz)	50 / 60
	Refresh Rate (Hz)	≥2880
Operation Specifications	LED Lifetime (Half brightness)	100,000
	Operating Temperature(°C)	0°C to +40°C
	Operating Humidity	<90%RH(without condensation)
	IP rating Front	IP40
	IP rating Rear	IP20
	Certification	CE,FCC,ETL,CB
	Environment	RoHS, REACH
	Controller	Embedded

Model	Item	LAT240DT1	LAT140GT81	
	Pixel Pitch	24±0.2mm	13.7±0.2mm (14)	
	LED Type	R, G, B 3in1 Color Package (SMD1818)	R, G, B 3in1 Color Package (SMD2020)	
	Resolution	28 x 20	48 x 36	
	Pixels per Panel	560	1,728	
	Pixel Density [point/m ²]	1,736	5,102	
	Brightness (After Calibration)	> 1,000nit	Typ.700nit (Min. 600nit)	
	Contrast Ratio	≥ 100,000:1	Typ.2,100nit	
	Luminance Uniformity	≥ 70%	≥ 100,000:1	
	Chromaticity Uniformity	Δu'v'≤0.015	≥ 70%	
	Viewing Angle (H x V)	120 x 120	Δu'v'≤0.015	
	Life Time (Brightness 50%)	50,000 Hrs	120 x 120	
	Daily Usage	24h / 7days	50,000 Hrs	
	Warranty	2year	24h / 7days	
	Transparency	73%	2 year	
	Operating Temperature	0°C ~ 45°C	Typ 53%	
	Curved Installation	1,100 R (Installation Surface: Concave, Glass Only)	0°C ~ 45°C	
	Film Trimming	Yes (Only horizontally with the bezel)	No (Indoor glass surface construction conditions only)	
	Film Surface Color Distortion (변색)	No	Yes (Only horizontally with the bezel)	
	Color Processing	130/120/110 Level (R, G, B)	(9bit) 500/500/500 Level (R, G, B)	
	Colors	1,716,000 Colors	125,000,000 Colors	
	Color Chromaticity	Cx: 0.28±0.03, Cy: 0.28±0.03	Cx: 0.25±0.03, Cy: 0.34±0.03	
Interface	Input : Differential Serial Output : Differential Serial	655 x 492 x 2.9mm (with front & back protection film)		
Dimension (W x H x D)	668 x 480 x 2.0mm (with Front & Back Protection Film)	1kg		
Weight	0.73kg	37W(Transparent panel 1EA + Common Bezel kit 2EA)		
Power Consumption	37W (Transparent panel 1EA + Bezel kit 1EA)	ESG, Regulation book, Warranty Card		
1st Bezel	Accessory	ESG, Regulation book, Warranty Card	Input : RGMII Output : Differential Serial	
	Interface	Input : RGMII Output : Differential Serial	69.4 x 492 x 25mm	
	Dimension (W x H x D)	547.3 x 63 x 24mm	0.4Kg	
	Weight	0.45Kg	37W(Transparent panel 1EA + First(1EA) & Common(1EA) Bezel kit)	
Common Bezel	Power Consumption	37W (Transparent panel 1EA + Bezel kit 1EA)	DC Jack Connection Cable(1100mm) 1ea, DC Jack Connection Cable(240mm) 1ea Screw 2type, Gasket Rubber 3type, Closing Cover 1type, ESG, Regulation book, Warranty Card	
	Accessory	DC Jack Connection Cable(750mm), Screw 2type, Gasket Rubber 2type, Closing Cover, ESG, Regulation book, Warranty Card	Input : Differential Serial Output : Differential Serial	
	Interface	Input : Differential Serial Output : Differential Serial	51.4 x 492 x 25mm	
	Dimension (W x H x D)	479.5 x 28.1 x 24mm	0.3Kg	
Unit Controller	Weight	0.26Kg	37W(Transparent panel 1EA + Common Bezel kit 2EA)	
	Power Consumption	37W (Transparent panel 1EA + Bezel kit 1EA)	DC Jack Connection Cable(240mm) 2ea, Screw 2type, Gasket Rubber 2type, Closing Cover 2type, ESG, Regulation book, Warranty Card	
	Accessory	DC Jack Connection Cable(240mm), Screw 2type, Gasket Rubber 4type, Closing Cover, ESG, Regulation book, Warranty Card Data cable(150mm, Bezel kit to Bezel kit)	960x540 (1/4 FHD)	
	Resolution	960x540 (1/4 FHD)	Input : LVDS Output : RJ45 x4EA	
	Interface	Input : LVDS Output : RJ45 x4EA	100m (Cable type : CAT5E, CAT6)	
	Maximum Transmission Length	100m (Cable type : CAT5E, CAT6)	293 x 188.7 x 37mm	
	Dimension (W x H x D)	293 x 37 x 188.7mm	1.5Kg	
System Controller	Weight	1.5Kg	Yes	
	Temperature Sensor	Yes	20 W	
	Power Consumption	20 W	Power cord, LVDS MCX cable, ESG, Regulation book, Warranty Card DP : 1920x1080@60Hz HDMI : 1920x1080@60Hz DVI-D : 1920x1080@60Hz	
	Accessory	Power cord, LVDS MCX cable, ESG, Regulation book, Warranty Card	Input : 1EA	
	Video	Max. Input Resolution	DP : 3840 x 2160@30Hz HDMI : 3840x2160@30Hz DVI-D : 1920x1080@60Hz	Input : 1EA
		HDMI	Input : 1EA	Input : 1EA Output : 1EA
	Digital (w/ HDCP)	DP	Input : 1EA Output : 1EA	Input : 1EA
		DVI-D	Input : 1EA	Input : 1EA (Phone Jack Type) Output : 1EA (Phone Jack Type)
		RS-232C	Input : 1EA (Phone Jack Type) Output : 1EA (Phone Jack Type)	Input : 1EA (without LED indicator) Output : 1EA (without LED indicator)
	Comm. Port	RJ-45	Input : 1EA (without LED indicator) Output : 1EA (without LED indicator)	1EA (Phone Jack Type) : Used for installation
		IR Receiver (w/ Light Sensor)	1EA (Phone Jack Type) : Used for installation	1EA
	USB3.0	1EA	Output : 1EA	
	LVDS	Output : 1EA	293 x 193.3 x 40.1mm	
	Dimension (W x H x D mm)	293 x 40.1 x 193.3mm	1.6kg	
	Weight (Head, Kg)	1.6kg	0	
	Temperature Sensor	0	0	
	Light Sensor	0	HDMI, DVI-D, DP	
	Source Selection	HDMI, DVI-D, DP	Yes	
	TPC (Temporal Peak luminance Control)	Yes	Yes	
	Motion Eye Care	Yes	17W	
	Power Consumption	17W	Yes (2.9)	
CMS S/W	Yes	Yes (2.7)		
Accessory	Power cord, IR+Bright Sensor (1.5m), 4P Phone-to-RS232C Gender, ESG, Regulation book, Warranty Card	Power cord, IR+Bright Sensor (1.5m), 4P Phone-to-RS232C Gender, ESG, Regulation book, Warranty Card		
Adaptor	Model No.	ACC-LATP1	ACC-LATP1	
	Dimension (W x H x D)	183*86*28mm	183*86*28mm	
	Weight	769g	769g	
	Input	100-240V, 50-60Hz	100-240V, 50-60Hz	
	Output	19.5V/10.8A (210W)	19.5V/10.8A (210W)	
	Color	White	White	
	DC output cable	14AWG, 1.5m	14AWG, 1.5m	
	Type	L Type	L Type	
	Accessory	Power Cord, Regulation Book, CD Manual, Warranty Card	Power Cord, Regulation Book	

	Model Name	LAS009DB7-F	LAS012DB9-F	LAS014DB9-F	LAS015DB9-F	LAS018DB9-F	LAS025DB9-F
Physical Parameters	Pitch Name	P0.945	P1.26	P1.45	P1.58	P1.89	P2.52
	Pixel Configuration	3 in 1	3 in 1	3 in 1	3 in 1	3 in 1	3 in 1
	Pixel Pitch (mm)	0.945	1.26	1.454	1.575	1.89	2.52
	Module Resolution (WxH)	320x180	240x135	208x117	192x108	160x90	120x68
	Module Dimensions (WxH,mm)	302.4x170.1	302.4x170.1	302.4x170.1	302.4x170.1	302.4x170.1	302.4x170.1
	Weight per Module (kg)	0.65	0.65	0.65	0.65	0.65	0.65
	LED Package Manufacturer	DSBJ	DSBJ	DSBJ	DSBJ	DSBJ	DSBJ
	No. of Modules per Cabinet (WxH)	2x2	2x2	2x2	2x2	2x2	2x2
	Cabinet Resolution (WxH)	640 x 360	480 x 270	416 x 234	384 x 216	320 x 180	240 x 136
	Cabinet Dimensions (W x H x D, mm)	604.8x340.2x72.5	604.8x340.2x72.5	604.8x340.2x72.5	604.8x340.2x72.5	604.8x340.2x72.5	604.8x340.2x72.5
	Cabinet Surface Area (m ²)	0.206	0.206	0.206	0.206	0.206	0.206
	Weight per Cabinet (kg/unit)	7.4	7.4	7.4	7.4	7.4	7.4
	Weight per Square Meter (kg/m ²)	36.0	36.0	36.0	36.0	36.0	36.0
	Physical Pixel Density (pixels/m ²)	718,184	629,882	473,111	403,124	279,947	158,637
	Flatness of Cabinet (mm)	±0.5	±0.5	±0.5	±0.5	±0.5	±0.5
	Cabinet material	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum
Service access	Front	Front	Front	Front	Front	Front	
Optical Specifications	Brightness (After Calibration, nit)	600	600	600	600	600	600
	Color Temperature (K)	3,000 - 10,000	3,000 - 10,000	3,000 - 10,000	3,000 - 10,000	3,000 - 10,000	3,000 - 10,000
	Visual Viewing Angle (Horizontal)	160	160	160	160	160	160
	Visual Viewing Angle (Vertical)	140	140	140	140	140	140
	Brightness Uniformity	97%	97%	97%	97%	97%	97%
	Color Uniformity	±0.003Cx,Cy	±0.003Cx,Cy	±0.003Cx,Cy	±0.003Cx,Cy	±0.003Cx,Cy	±0.003Cx,Cy
	Contrast Ratio	7,000	7,000	7,000	7,000	7,000	7,000
	Processing Depth (bit)	16	16	16	16	16	16
Electrical Specifications	Power Consumption (W/Cabinet, Max.)	120	120	120	120	120	120
	Power Consumption (W/Cabinet, Avg.)	62	58	54	54	50	48
	Power Consumption (W/m ² , Max.)	620	620	620	620	620	620
	Power Consumption (BTU/h/Cabinet, Max.)	409	409	409	409	409	409
	Power Consumption (BTU/h/Cabinet, Avg.)	212	198	184	184	171	164
	Power Consumption (BTU/h/m ² , Max.)	2115	2,115	2,115	2,115	2,115	2,115
	Power Supply (V)	100 to 240	100 to 240	100 to 240	100 to 240	100 to 240	100 to 240
	Frame Rate (Hz)	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60
	Refresh Rate (Hz)	3,840	3,000	3,000	3,000	3,000	3,840
	Inrush Current (Typ, A@VA)	≤90 A (220Vac@50HZ) Cold start @25°C	≤90 A (220Vac@50HZ) Cold start @25°C	≤90 A (220Vac@50HZ) Cold start @25°C	≤90 A (220Vac@50HZ) Cold start @25°C	≤90 A (220Vac@50HZ) Cold start @25°C	≤90 A (220Vac@50HZ) Cold start @25°C
Leakage Current (mA)	< 1MA (220Vac@50HZ)	< 1MA (220Vac@50HZ)	< 1MA (220Vac@50HZ)	< 1MA (220Vac@50HZ)	< 1MA (220Vac@50HZ)	< 1MA (220Vac@50HZ)	
Operation Specifications	LED Lifetime (Half brightness)	100,000	100,000	100,000	100,000	100,000	100,000
	Operating Temperature (°C)	-10 to +40	-10 to +40	-10 to +40	-10 to +40	-10 to +40	-10 to +40
	Operating Humidity	10-80%RH	10-80%RH	10-80%RH	10-80%RH	10-80%RH	10-80%RH
	IP rating Front	IP5X	IP5X	IP5X	IP5X	IP5X	IP5X
	IP rating Rear	IP5X	IP5X	IP5X	IP5X	IP5X	IP5X
Certification	CE/FCC/cTUVus/CB	CE/FCC/cTUVus/CB	CE/FCC/cTUVus/CB	CE/FCC/cTUVus/CB	CE/FCC/cTUVus/CB	CE/FCC/cTUVus/CB	
Environment	RoHS/REACH	RoHS/REACH	RoHS/REACH	RoHS/REACH	RoHS/REACH	RoHS/REACH	
Controller	LCLG006	LCLG006	LCLG006	LCLG006	LCLG006	LCLG006	

	Model Name	LSCA029-GK2	LSCA039-GK
Physical Parameters	Pitch Name	P2.97	P3.9
	Pixel Configuration	3 in 1	3 in 1
	Pixel Pitch(mm)	2.97	3.91
	Module Resolution (WxH)	84x168	64x128
	Module Dimensions(WxH,mm)	250x500	250x500
	Weight per Module (kg)	1.30	1.30
	LED Package Manufacturer	KL+Cu	KL+Cu
	No. of Modules per Cabinet (WxH)	2x1	2x2
	Cabinet Resolution (WxH)	168x168	128x256
	Cabinet Dimensions (W x H x D, mm)	500x500x65.6	500x1000x65.6
	Cabinet Surface Area (m ²)	0.250	0.500
	Weight per Cabinet (kg/unit)	10.0	12.0
	Weight per Square Meter (kg/m ²)	40.0	24.0
	Physical Pixel Density (pixels/m ²)	112,896	65,536
	Flatness of Cabinet (mm)	±0.3	±0.3
	Cabinet material	Die-casting Aluminum	Die-casting Magnesium
	Service access	Front or Rear (select one only)	Front or Rear (select one only)
Optical Specifications	Brightness (After Calibration, nit)	1,000	1,000
	Color Temperature (K)	3500 - 9000	3500 - 9000
	Visual Viewing Angle (Horizontal)	160	160
	Visual Viewing Angle (Vertical)	160	160
	Brightness Uniformity	97%	97%
	Color Uniformity	±0.003CxCy	±0.003CxCy
	Contrast Ratio	5,000	7,000
	Processing Depth (bit)	14	14
Electrical Specifications	Power Consumption (W/Cabinet, Max.)	135	270
	Power Consumption (W/Cabinet, Avg.)	45	90
	Power Consumption (W/m ² , Max.)	540	540
	Power Consumption (BTU/h/Cabinet, Max.)	461	921
	Power Consumption (BTU/h/Cabinet, Avg.)	154	307
	Power Consumption (BTU/h/m ² , Max.)	1,842	1,842
	Power Supply (V)	100 to 240	100 to 240
	Frame Rate (Hz)	50 / 60	50 / 60
	Refresh Rate (Hz)	2,880	3,840
	Inrush Current (Typ, A@VA)	160	160
	Leakage Current (mA)	0.61	0.83
Operation Specifications	LED Lifetime (Half brightness)	100,000	100,000
	Operating Temperature(°C)	-10 to +45	-10 to +45
	Operating Humidity	0-80%RH	0-80%RH
	IP rating Front	IP30	IP30
	IP rating Rear	IP30	IP30
Certification	CE,FCC,ETL	CE,FCC,ETL	
Environment	RoHS	RoHS	
Controller	LCIN006	LCIN006	

	Model Name	LSCB015-GK	LSCB018-GK	LSCB025-GK
Physical Parameters	Pitch Name	P1.5625	P1.875	P2.5
	Pixel Configuration	3 in 1	3 in 1	3 in 1
	Pixel Pitch(mm)	1.563	1.875	2.500
	Module Resolution (WxH)	192x108	160x90	120x135
	Module Dimensions(WxH,mm)	300x168.75	300x168.75	300x337.5
	Weight per Module (kg)	0.40	0.40	0.90
	LED Package Manufacturer	KL+Cu	KL+Cu	KL+Cu
	No. of Modules per Cabinet (WxH)	2x2	2x2	2x1
	Cabinet Resolution (WxH)	384x216	320x180	240x135
	Cabinet Dimensions (W x H x D, mm)	600x337.5x35	600x337.5x35	600x337.5x35
	Cabinet Surface Area (m ²)	0.203	0.203	0.203
	Weight per Cabinet (kg/unit)	5.2	5.2	5.2
	Weight per Square Meter (kg/m ²)	25.7	25.7	25.7
	Physical Pixel Density (pixels/m ²)	409,600	284,444	160,000
	Flatness of Cabinet (mm)	±0.1	±0.1	±0.1
	Cabinet material	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum
Service access	Front	Front	Front	
Optical Specifications	Brightness (After Calibration, nit)	800	800	800
	Color Temperature (K)	3500 - 9000	3500 - 9000	3500 - 9000
	Visual Viewing Angle (Horizontal)	160	160	160
	Visual Viewing Angle (Vertical)	160	160	160
	Brightness Uniformity	97%	97%	97%
	Color Uniformity	±0.003CxCy	±0.003CxCy	±0.003CxCy
	Contrast Ratio	5,000	5,000	5,000
	Processing Depth (bit)	14	14	14
Electrical Specifications	Power Consumption (W/Cabinet, Max.)	150	150	150
	Power Consumption (W/Cabinet, Avg.)	50	50	50
	Power Consumption (W/m ² , Max.)	740	740	740
	Power Consumption (BTU/h/Cabinet, Max.)	512	512	512
	Power Consumption (BTU/h/Cabinet, Avg.)	171	171	171
	Power Consumption (BTU/h/m ² , Max.)	2,525	2,525	2,525
	Power Supply (V)	100 to 240	100 to 240	100 to 240
	Frame Rate (Hz)	50 / 60	50 / 60	50 / 60
	Refresh Rate (Hz)	3,840	3,840	3,840
	Inrush Current (Typ, A@VA)	60	60	60
	Leakage Current (mA)	0.54	0.55	0.53
Operation Specifications	LED Lifetime (Half brightness)	100,000	100,000	100,000
	Operating Temperature(°C)	-10 to +45	-10 to +45	-10 to +45
	Operating Humidity	0-80%RH	0-80%RH	0-80%RH
	IP rating Front	IP30	IP30	IP30
	IP rating Rear	IP30	IP30	IP30
Certification	CE,FCC,ETL, EMC Class-B Fire Protection	CE,FCC,ETL, EMC Class-B Fire Protection	CE,FCC,ETL, EMC Class-B Fire Protection	
Environment	RoHS	RoHS	RoHS	
Controller	CVCA	CVCA	CVCA	

	Model Name	GSCA039-GN	43.101 mm
Physical Parameters	Pitch Name	P3.91	P4.63
	Pixel Configuration	3 in 1	3 in 1
	Pixel Pitch(mm)	3.91	4.63
	Module Resolution (WxH)	64x128	54x108
	Module Dimensions(WxH,mm)	250x500	250x500
	Weight per Module (kg)	1.40	1.40
	LED Package Manufacturer	Nationstar	Nationstar
	No. of Modules per Cabinet (WxH)	2x2	2x2
	Cabinet Resolution (WxH)	128x256	108x216
	Cabinet Dimensions (W x H x D, mm)	500x1000x66.05	500x1000x67.2
	Cabinet Surface Area (m ²)	0.500	0.500
	Weight per Cabinet (kg/unit)	12.5	12.7
	Weight per Square Meter (kg/m ²)	24.9	25.4
	Physical Pixel Density (pixels/m ²)	65,536	46,656
	Flatness of Cabinet (mm)	±0.3	±0.3
	Cabinet material	Die-casting Magnesium	Die-casting Magnesium
	Service access	Front or Rear (select one only)	Front or Rear (select one only)
Optical Specifications	Brightness (After Calibration, nit)	5,000	5,000
	Color Temperature (K)	3500 - 9000	3500 - 9000
	Visual Viewing Angle (Horizontal)	160	160
	Visual Viewing Angle (Vertical)	155	135
	Brightness Uniformity	97%	97%
	Color Uniformity	±0.003Cx,Cy	±0.003Cx,Cy
	Contrast Ratio	6,000	11,000
	Processing Depth (bit)	14	14
Electrical Specifications	Power Consumption (W/Cabinet, Max.)	300	300
	Power Consumption (W/Cabinet, Avg.)	100	100
	Power Consumption (W/m ² , Max.)	600	600
	Power Consumption (BTU/h/Cabinet, Max.)	1024	1024
	Power Consumption (BTU/h/Cabinet, Avg.)	341	341
	Power Consumption (BTU/h/m ² , Max.)	2047	2047
	Power Supply (V)	100 to 240	100 to 240
	Frame Rate (Hz)	50 / 60	50 / 60
	Refresh Rate (Hz)	3,840	3,840
	Inrush Current (Typ, A@VA)	160	160
	Leakage Current (mA)	0.83	0.85
Operation Specifications	LED Lifetime (Half brightness)	100,000	100,000
	Operating Temperature(°C)	-20°C to +45°C	-20°C to +45°C
	Operating Humidity	10-99%RH	10-99%RH
	IP rating Front	IP65	IP65
	IP rating Rear	IP65	IP65
Certification	CE,FCC,ETL	CE,FCC,ETL	
Environment	RoHS	RoHS	
Controller	LCIN006	LCIN006	

	Model Name	GSCD069	GSCD100
Physical Parameters	Pitch Name	P6.94	P10.41
	Pixel Configuraiton	3 in 1 SMD	3 in 1 SMD
	Pixel Pitch(mm)	6.94	10.41
	Module Resolution (WxH)	72x36	48x24
	Module Dimensions(WxH,mm)	500x250mm	500x250mm
	Weight per Module (kg)	1.3kg	about 1.3kg
	No. of Modules per Unit Case (WxH)	2x4	2x4
	Unit Case Resolution (WxH)	144x144pixel	96x96pixel
	Unit Case Dimensions (W x H x D, mm)	1000x1000x84.4mm	1000x1000x85.1
	Unit Case Surface Area (m ²)	1.00	1.00
	Weight per Unit Case (kg)	18.5	19.0
	Weight per Square Meter (kg/m ²)	19	19
	Physical Pixel Density (pixels/m ²)	20,736	9,216
	Flatness of Unit Case (mm)	±0.5	±0.5
	Unit Case material	Aluminum Profile	Aluminum Profiles
	Service access	Front or Rear (select one only)	Front or Rear (select one only)
	Service access	Front or Rear (select one only)	Front or Rear (select one only)
Optical Specifications	Min. Brightness (After Calibration)	5,000	5,000
	Color Temperature	3500-9000K (default:6500K)	3500 - 9000
	Visual Viewing Angle (Horizontal)	160	160
	Visual Viewing Angle (Vertical)	134	136
	Brightness Uniformity	97%	97%
	Color Uniformity	±0.003CxCy	±0.003CxCy
	Contrast Ratio	6,000	10,000
	Processing Depth (bit)	14	14
Electrical Specifications	Power Consumption (W/Unit, Max.)	680	650
	Power Consumption (W/Unit, Avg.)	226	216
	Power Consumption (W/m ² , Max.)	680	650
	Power Supply (V)	100 to 240	100 to 240
	Frame Rate (Hz)	50 / 60	50 / 60
	Refresh Rate (Hz)	3,840	3,840
Operation Specifications	Lifetime (Half brightness)	1,00,000	1,00,000
	Operating Temperature	-20°C to +50°C	-20°C to +50°C
	Operating Humidity	10-99%RH	10-99%RH
	IP rating Front	IP65	IP65
	IP rating Rear	IP65	IP65
Certification	CE, FCC, ETL		
Environment	RoHS for both the models		



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