Window Facing Display   LWBC Window Facing Series

High Brightness
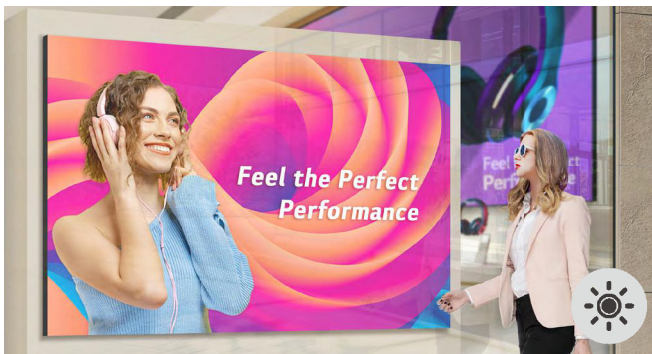# Window Facing LED Display
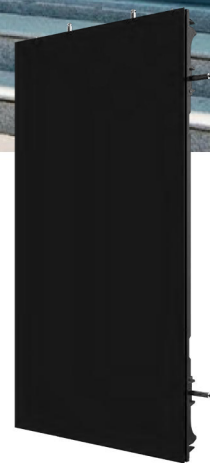
3,500nit
High Brightness

Quick Lock &
Flip Design

Long-lasting
High Performance

Compatibility with
LG Software Solutions

Front or Rear
Serviceability

	LWBC Window Facing Series
Pixel Pitch	2.60 / 2.98 / 3.91 mm
Brightness	3500 nits
Weight per Cabinet	26.5 lbs / 12.0 kg / Cabinet
Serviceability	Front or Rear
IP Rating	IP5X

High Visibility In Extremely Bright Environments

With a brightness of 3,500 nits, LWBC clearly delivers content and attracts public attention. Turn your window display up a notch with LWBC series Direct View LED!
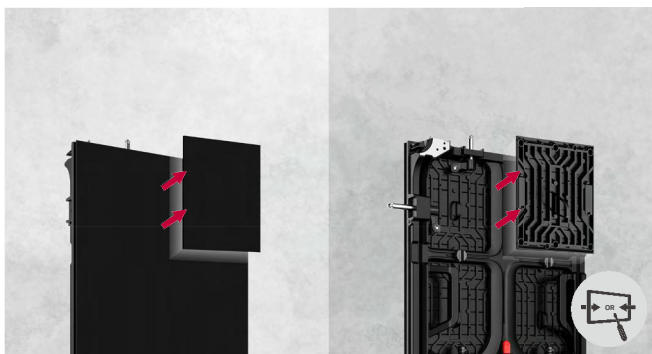

Conventional   90° Corner Option Applied

90° Corner Design Available

LWBC has a 90° corner option that can be purchased separately. It allows this LED window display to fit naturally into corners and deliver virtually flawless content to customers.

Front or Rear Installation & Maintenance

The LWBC series cabinets can be accessed from the front or rear for maintenance for added convenience and enhanced installation options.

Quick Lock   Flip Design
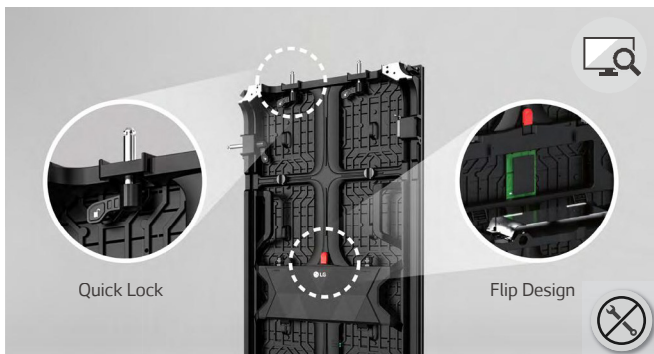
Quick Latch & Flip Design

The LWBC is easy to install with its quick latch system, which also helps maintain an outstanding alignment. Because it does not require screws or a screwdriver, the flip design makes it easy to repair and/or replace the integrated power system and receiver card.

Compatibility with LG Software Solutions

Powered by LG's high performance system controller, the LWBC series is compatible with LG software solutions including SuperSign™ CMS, LED Assistant™, and ConnectedCare™*, all designed to assist users with their business operations**.

*   The availability of the LG ConnectedCare™ service differs by region, and it needs to be purchased separately. Please contact the LG sales representative in your region for more details.
    The items that can be monitored by LG ConnectedCare™ include the Main Board (Temperature, Signal Status, FPGA Ver, Ehternet Connection Status), and Receiving Card (Temperature, LED Power).
** Actual graphical user interface may vary in different webOS versions.
    Screen images are simulated for illustrated purposes only.

SPECIFICATIONS

		LWBC026-GDL LWBC026-GDR	LWBC029-GDL LWBC029-GDR	LWBC039-GDL LWBC039-GDR
PHYSICAL PARAMETERS	Pixel Configuration	3 in 1 SMD	3 in 1 SMD	3 in 1 SMD
	Pixel Pitch	2.604 mm	2.976 mm	3.906 mm
	Module Resolution (W × H)	96 × 96	84 × 84	64 × 64
	Module Dimensions (W × H)	250 × 250 mm	250 × 250 mm	250 × 250 mm
	Weight per Module (±0.003 kg)	1.5 lbs / 0.70 kg	1.5 lbs / 0.70 kg	1.5 lbs / 0.70 kg
	No. of Modules per Cabinet (W × H)	2 × 4	2 × 4	2 × 4
	Cabinet Resolution (W × H)	192 × 384 mm	168 × 336 mm	128 × 256 mm
	Cabinet Dimensions (W × H × D)	19.7 x 39.4 x 2.7 in / 500 × 1000 × 68 mm	19.7 x 39.4 x 2.7 in / 500 × 1000 × 68 mm	19.7 x 39.4 x 2.7 in / 500 × 1000 × 68 mm
	Unit Case Surface Area	5.4 ft^2 / 0.500 m^2	5.4 ft^2 / 0.500 m^2	5.4 ft^2 / 0.500 m^2
	Weight per Cabinet	26.5 lbs / 12.0 kg	26.5 lbs / 12.0 kg	26.5 lbs / 12.0 kg
	Weight per Unit Area	4.9 lbs/ft^2 / 24.0 kg/m^2	4.9 lbs/ft^2 / 24.0 kg/m^2	4.9 lbs/ft^2 / 24.0 kg/m^2
	Physical Pixel Density	1,587,203 pixels/ft^2 147,456 pixels/m^2	1,215,202 pixels/ft^2 112,896 pixels/m^2	705,424 pixels/ft^2 65,536 pixels/m^2
	Flatness of Cabinet	±0.5 mm	±0.5 mm	±0.5 mm
	Cabinet Material	Die Cast Aluminum	Die Cast Aluminum	Die Cast Aluminum
	Service Access	Front or Rear	Front or Rear	Front or Rear
	90-Degree Angle Corner Option	Yes	Yes	Yes
OPTICAL SPECIFICATIONS	Max Brightness (After Calibration)	3500 nits	3500 nits	3500 nits
	Color Temperature	3200-9300 K	3200-9300 K	3200-9300 K
	Visual Viewing Angle (H × V)	160º × 140º	160º × 140º	160º × 140º
	Brightness Uniformity	97%	97%	97%
	Color Uniformity	±0.003 Cx,Cy	±0.003 Cx,Cy	±0.003 Cx,Cy
	Contrast Ratio (Typ.)	5,000:1	5,000:1	5,000:1
	Processing Depth	16 bit (HDR10, HDR10 Pro)	16 bit (HDR10, HDR10 Pro)	16 bit (HDR10, HDR10 Pro)
ELECTRICAL SPECIFICATIONS	Max Power Consumption	300 W	300 W	300 W
	Avg. Power Consumption	100 W	100 W	100 W
	Max Power Consumption per Unit Area	600 W/m^2	600 W/m^2	600 W/m^2
	Max Heat Dissipation per Unit Area	1024 BTU/h	1024 BTU/h	1024 BTU/h
	Avg. Heat Dissipation per Cabinet	341 BTU/h	341 BTU/h	341 BTU/h
	Max Heat Dissipation per Unit Area	2047 BTU/h/m^2	2047 BTU/h/m^2	2047 BTU/h/m^2
	Power Supply	100 to 240 V	100 to 240 V	100 to 240 V
	Frame Rate	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
	Refresh Rate	3840 Hz	3840 Hz	3840 Hz
OPERATION SPECIFICATIONS	Lifetime (Half Brightness)	100,000 Hours	100,000 Hours	100,000 Hours
	Operating Temperature	-4 to +104° F / -20 to +40° C	-4 to +104° F / -20 to +40° C	-4 to +104° F / -20 to +40° C
	Operating Humidity	10-90% RH	10-90% RH	10-90% RH
	IP Rating Front / Rear	IP5X / IP5X	IP5X / IP5X	IP5X / IP5X
	90 Degree Angle Option	Yes	Yes	Yes

CONTROLLER SPECIFICATIONS

		LCLY006HD	LCLY006U	CVBA
MAX OUTPUT RANGE	Loading Capacity	1920 x 1200 @ 60Hz	1920 x 1200 @ 60Hz	3840 x 2160 @ 60Hz
	Max Width	4096 pixels	3840 pixels	3840 pixels
	Max Height	2560 pixels	2560 pixels	2560 pixels
	Output Resolution	2.304 Million Pixels	2.304 Million Pixels	8.2944 Millon Pixels
INPUT	HDMI	HDMI 1.4	HDMI 1.3	HDMI 2.0
	HDCP	HDCP 1.4	HDCP 1.4	HDCP 2.2
	DP	No	No	DP 1.2 / HDCP 2.2
	DVI	Yes	Yes	No
	OPS	No	No	Yes
OUTPUT	HDMI	Yes (LOOP)	No / Yes (LOOP)	No
	Ethernet (To LED Screen)	Yes (4-channel)	Yes (4-channel)	Yes (16-channel)
CONTROL	LAN	No	No	Yes
	USB	Yes	Yes	No
	RS-232C	No	No	Yes (LOOP)
SENSOR	Ambient Light	Yes	Yes	No
	Temperature	No	No	Yes
VIDEO PROCESSING	Brightness Adjustment	Yes	Yes	Yes
	Chroma Adjustment	Yes	Yes	Yes
	Improved Grayscale at Low Brightness	Yes	No	Yes
	Scaling	No	No	Yes
	HDR	No	No	HDR10 Pro
	EDID Custom	Yes	Yes	No
APPLICATION	CMS	No	No	SuperSign CMS
	webOS API	No	No	Yes
	LG ConnectedCare	No	No	Yes
	Configuration SW	Leadshow 5G Control Manager 4k	NovaLCT	LED Assistant
MECHANICAL	Size (W x H x D)	19.0 x 1.7 x 10.3 in / 482.6 x 44 x 262 mm	19.0 x 1.7 x 9.8 in / 482 x 44.4 x 250 mm	17.4 x 2.5 x 12.1 in / 443 x 63 x 307.5 mm
	Weight	5.5 lbs / 2.5 kg	7.9 lbs / 3.6 kg	10.8 lbs / 4.9 kg

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