LOOKBOOK *Cruise Lines*

LIVE TV

CRUISE CASUAL

Adventure spirit

Yacht Club

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LG Displays Immerse Passengers in Brilliant Luxury and Stunning Images Throughout the Ship

Boarding a cruise ship brings the expectation of comfort and luxury. And given the magnificence of today's super cruise ships, the digital displays aboard must deliver an equally satisfying experience as they fulfill a broad array of informational and entertainment needs.

As guests board, they're greeted by LG's Outdoor Displays that welcome them with images that set the stage for an exciting cruise. LG's in-cabin viewing options, such as the more advanced Premium Smart IPTVs with embedded b-LAN™, immerse passengers in breathtaking realism, thanks to advanced LG IPS screens. Interior promenade decks come alive in the dazzling color and brightness of an LG Fine-Pitch Direct View Indoor LED, OLED Wallpaper Display with infinite contrast, or Ultra Narrow Bezel Video Wall with a virtually seamless design.

The heart of the ship's display network is LG's Pro:Centric® SMART, an HTML-based solution that can deliver a wide-range of content from cable, satellite or video-on-demand. Smart Apps can also be provided, as well as the ability to provide property-wide communications, such as event schedules, dining reminders, and more from a central location on-site or remotely.

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a **Standard Smart Hotel TV with Pro:Centric SMART – 43UT670H**
- 43" class
- Resolution: 3840 x 2160 (4K UHD)
- Pro:Centric SMART
- Multi Languages
- Quick Menu (3.0)
- Voice Recognition
- Customizable Apps
- SmartShare and ScreenShare
- Bluetooth Sound Sync
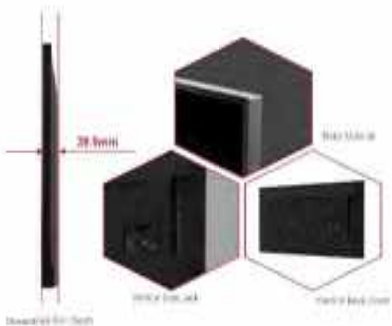- Integrated Pro:Idiom® DRM Technology
- webOS® 4.5

Images are simulated.

a **Guest Stateroom Pro:Centric Smart-43UT782V**

- 43" class
- Resolution: 3840 x 2160 (4K UHD)
- Slim Depth 39.9mm (1.6")
- Vertical Side Jack for Wall-Mount Installation
- No Stand
- 4K Upscaler
- Dolby Vision High Dynamic Range (HDR) with HDR10 Compatibility
- Pro:Centric Hotel Management Solution:
  - Customized UI Edit Tool
  - TV Remote Control and Management
  - Easy Customization: SDK (HTML 5, Java Flash)
- Value Added Features:
  - webOS 4.5
  - Voice Recognition/IoT
  - Integrated Pro:Idiom/Pro:Idiom M
  - Enhanced Soft AP (Bridge Mode)
  - VLAN ID
  - Conformal Coating
  - AP Mode Ready
  - Smart Connectivity: Media Share, Bluetooth 3.0, LG Sound Sync

Guest Room Cruise TV_Product Profile

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(a) Premium Smart Solution With UHD Content- 49UT770H

- 49" class
- Resolution: 3840 x 2160 (4K UHD)
- Pro:Centric SMART
- Integrated Pro:Idiom DRM Technology
- Sleek Design, Ultra Slim Screen
- webOS 4.5 & Media Share Features
- Dolby Vision High Dynamic Range (HDR) with HDR10 Compatibility
- Smart Connectivity: Media Share, Bluetooth 3.0, LG Sound Sync
- Commercial Grade Stand

Images are simulated.

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a Premium Pro:Centric SMART UHD OLED
Hospitality TV - 65ET960H
- 65" class
- Resolution: 3840 x 2160 (4K UHD)
- LG OLED with Infinite Contrast
- Ultra Slim Screen, Sleek Design
- HDR Dolby Vision with HDR 10
- Dolby Atmos Cinematic Sound with
  2×10W Speakers
- Pro:Centric SMART
- webOS 4.5
- Web browser, Pre-loaded Apps
- EZ-Manager Setup Wizard
- Integrated Pro:Idiom DRM Technology

Images are simulated.

(a) **Crew Cabin Pro:Centric Smart –
22LT660V | 24LT660V**
- 22" class | 24" class
- Resolution: 1366 x 768 (HD)
- Conformal Coating
- webOS 4.5
- Integrated Pro:Idiom DRM Technology
- Bluetooth Sound Sync
- SmartShare and ScreenShare
- Voice Recognition
- Commercial Grade Stand

Alternative Products:

**Crew Cabin Pro:Centric Smart –
28LT662V | 32LT662V**
- 28" class | 32" class
- Resolution: 1366 x 768 (HD)
- Conformal Coating
- webOS 4.5
- Integrated Pro:Idiom DRM Technology
- Bluetooth Sound Sync
- SmartShare and ScreenShare
- Voice Recognition

Images are simulated.

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(a) Cruise Stateroom Pro:Centric Smart - 32LT662V
- 32" class
- Resolution: 1366 x 768 (HD)
- Conformal Coating
- webOS 4.5
- Integrated Pro:Idiom DRM Technology
- Bluetooth Sound Sync
- SmartShare and ScreenShare
- Voice Recognition

Images are simulated.

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a **Premium Curved Indoor DVLED - LAP015EL6B**
- Pixel Configuration 3 in 1 SMD
- Pixel Pitch (mm) 1.50
- Module Resolution (WxH, Pixels) 160 x 120
- Physical Pixel Density 444,444 pixels/m2
- Front or Rear Service Access
- Max. Brightness (After Calibration) 1,000 nits
- Visual Viewing Angle (Horizontal) 160°
- Visual Viewing Angle (Vertical) 140°
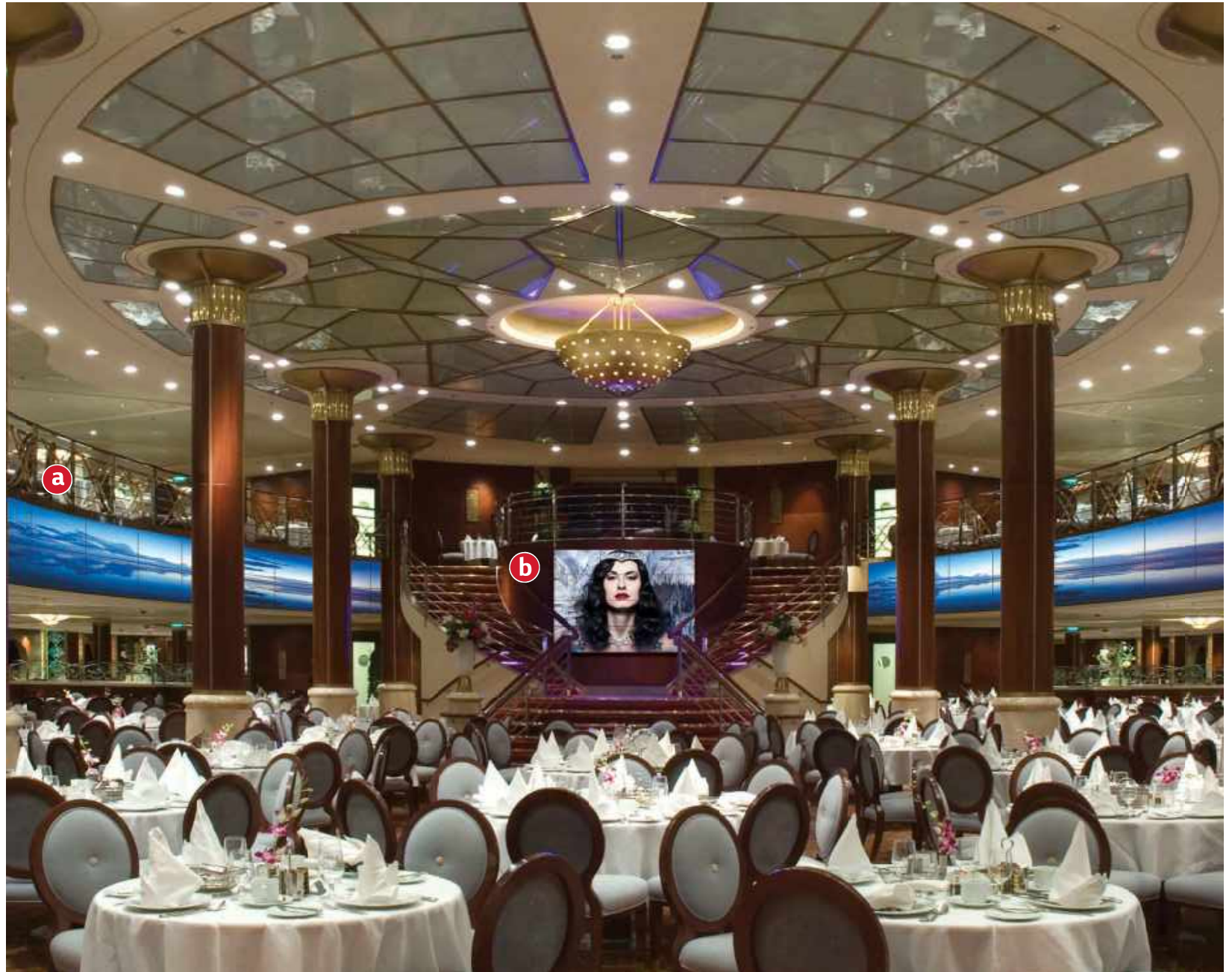- Brightness Uniformity ≥ 97%
- Contrast Ratio 6000:1

Images are simulated.

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(a) Open-Frame Curved LG OLED Displays – 55EF5E
- 55" class
- Resolution: 1920 x 1080 (FHD)
- Brightness: 100/400 nits (APL100% / 25%) Average Picture Level
- Bezel Width: 7.2mm (T,B,L,R off-bezel)
- Available in Arched, Curved, Concave and Convex by using LG OLED Module / Signage Box and T-Con Box / Cables
- Maximum Curvature in Portrait: 1,500R Radius: 1,500 mm Circumference: 9,420 mm
- Maximum Curvature in Landscape: 2,000R Radius: 2,000 mm Circumference: 12,560 mm

(b) 0.44mm Ultra Narrow Bezel Video Wall - 55VH7E
- 55" class
- Resolution: 1920 x 1080 (FHD)
- Brightness: 700 nits
- Tile Mode up to 15 x 15 (Natural mode)
- IPS Panel Technology
- Bezel Width 0.44 mm (Even)
- Running Time: 24 Hours
- Portrait and Landscape Orientation

Images are simulated.

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(a) LG OLED Wallpaper Signage - 55EJ5E

- 55" class
- Resolution: 1920 x 1080 FHD
- Brightness 100/400 nits (APL100% | 25%) Average Picture Level
- Bezel Width: 1.2 mm (T, B, L, R offset bezel)
- Available in Ceiling and Wall Mount Installations
- Hard Coating (2H), Anti-Reflective Treatment of the Front Polarizer (1.0% reflective typ)
- Portrait and Landscape Orientation

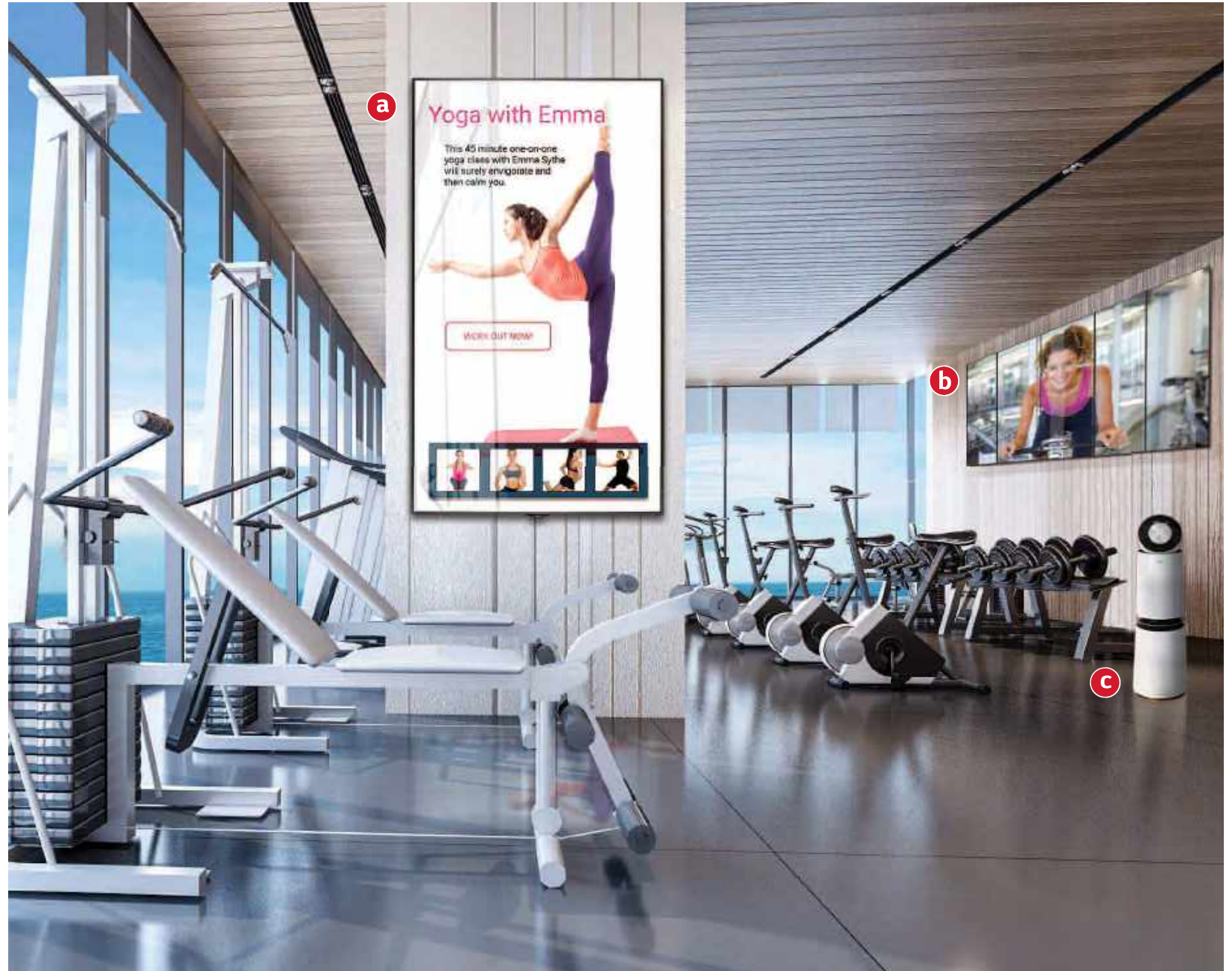*Images are simulated.*

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a **Open-Frame LG Transparent OLED - 55EW5F**
- 55" class
- Brightness (Typ.): 400 nits
- Bezel : 7.9 mm (T/B/L), 121.7 mm (B)
- Interface : HDMI/DP/USB (2)/ RS232C/ RJ45/ Audio/ IR
- IEC 61373 Standard Certified

Images are simulated.

![LG Business Solutions]

a **Ultra HD Premium Large Display – 98UH5E**
- 98" class
- IPS Panel Technology
- Resolution: 3840 × 2160 (UHD)
- Brightness: 500 nits (Typ)
- Contrast Ratio 1300:1
- Response Time 8ms (G to G BW) typ.
- 24 Hours Operation
- Landscape & Portrait Orientation

b **LG OLED Wallpaper Signage - 55EJ5E**
- 55" class
- OLED: Perfect Blacks, Amazing Colors and Infinite Contrast Ratio
- Resolution: 1920 x 1080 FHD
- Brightness : 400 nits (APL 25%)
- Bezel: 1.2 mm (Off bezel)
- Depth: 3.65 mm (Module)
- Interface: HDMI, DP, RS232C, RJ45, IR In, USB 3.0, USB 2.0
- Fitness on Demand™ Virtual Fitness Instruction

c **Air Purifier – AS560DWR0**
- 360° Purification
- Clean Booster
- True HEPA Filtration System
- PM 1.0 Sensor & Smart Indicator
- SmartThinQ® Technology (with Google Assistant and Amazon Alexa compatibility)
- LoDecibel™ Operation
- Coverage: 512 sq. ft
- CADR: 330/330/365 (Smoke/Dust/Pollen)
- Noise 25db (When Used In Single and Dual Modes with Low Fan Speed)
- Smart Indicator – Air Quality Indicator
- PM (Particle matter) Indicator
- Low Standby Power
- Operating mode – Booster/Dual/Single/Smart
- Filter Replacement Reminder

Images are simulated.

a Outdoor Display – 75XE3C
- 75" class
- Resolution: 3840 x 2160 (4K UHD), M+
- Brightness: 3000 nits (Typ) through Protective Glass
- Contrast Ratio: 1200:1
- Surface Treatment Hard Coating (2H), Anti-Glare Treatment of the Front Polarizer Haze 3% (Typ)
- Operation Temperature: –30 °C to 50 °C
- Operation Humidity: 5 % to 100 %
- Use in Direct Sunlight
- Dust/Water Resistant: IP56 Rated

Images are simulated.

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a Outdoor DVLED – LBS060DDA3D
- Pixel Configuration 3 in 1 SMD
- Pixel Pitch (mm) 6.0
- Module Resolution 32 x 32
- Pixel Density 27,777
- Front & Rear Service
- Max Brightness: 6,000 nits
- Viewing Angle (Vertical) 90°
- Visual Viewing Angle (Horizontal) 160°
- Visual Viewing Angle (Vertical) 140°
- Brightness Uniformity ≥ 97%
- Contrast Ratio 3000:1

Images are simulated.

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(a) **High Brightness Outdoor Display - 55XE4F**
- 55" class
- Resolution: 1920 x 1080 (FHD)
- Brightness: 4000 nits (Typ)
- Contrast Ratio: 1200:1
- Visible with Polarized Sunglasses
- IP56 Rated for Weather Resistance
- IK10 Rated Tempered and Laminated Front Glass
- Operation Temperature: -22°F to 122°F
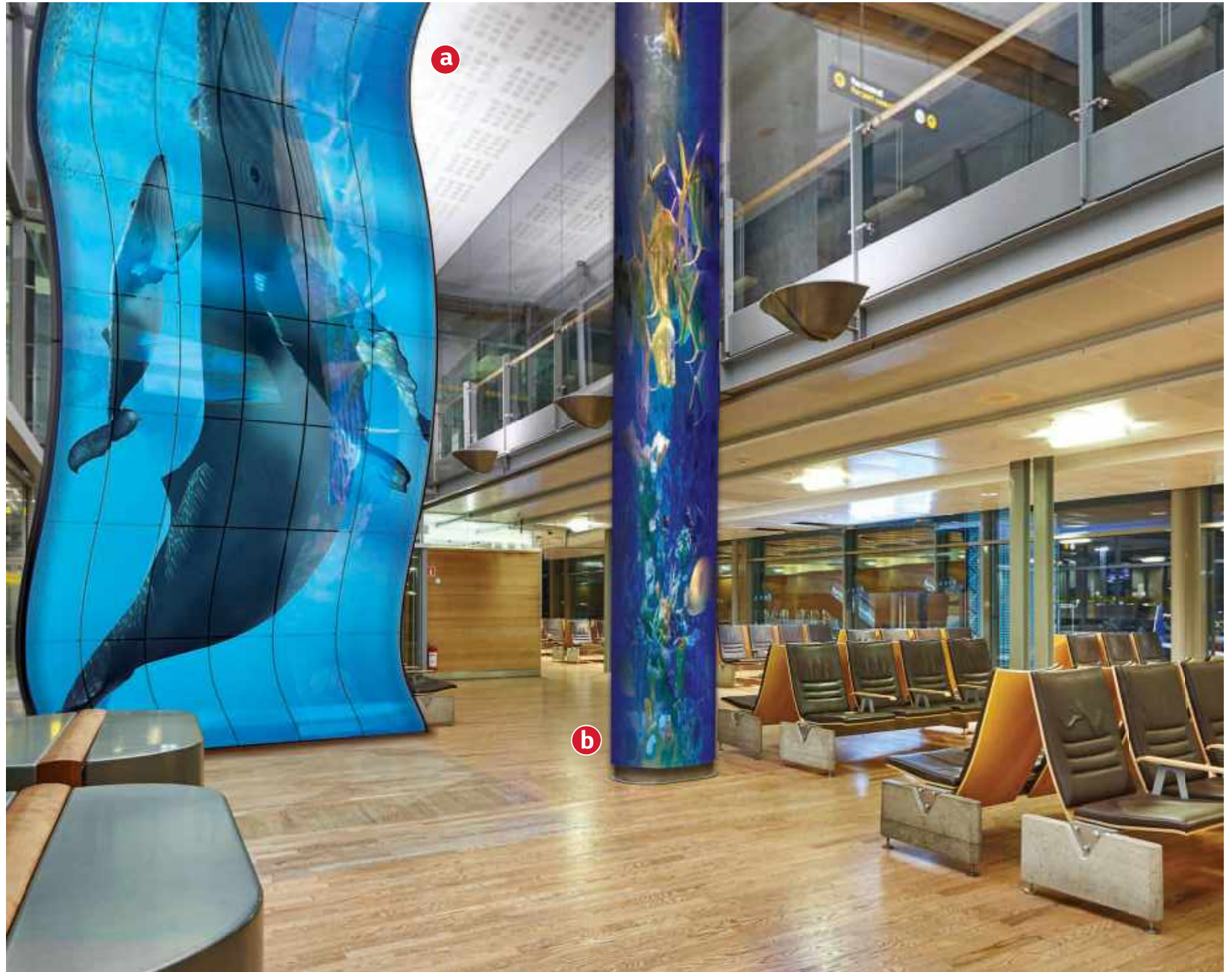- Operation Humidity: 5% to 100%
- Use in Direct Sunlight

Images are simulated.

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(a) Open-Frame Curved LG OLED Displays – 55EF5C
- 55" class
- 1920 x 1080 FHD
- Brightness 100|400 nits (APL100% | 25%) Average Picture Level
- Bezel Width: 7.2 mm (T,B,L,R off-bezel)
- Available in Arched, Curved, Concave and Convex by using an LG OLED Module | Signage Box and T-Con Box | Cables
- Maximum Curvature in Portrait: 1,500R Radius: 1,500 mm Circumference: 9,420 mm
- Maximum Curvature in Landscape: 2,000R Radius: 2,000 mm Circumference: 12,560 mm

(b) Premium Curved Indoor DVLED – LAP015EL6B
- Pixel Configuration 3 in 1 SMD
- Pixel Pitch (mm) 1.50
- Module Resolution (WxH, pixels) 160 x 120
- Physical Pixel Density 444,444 pixels/m2
- Front or Rear Service Access
- Max. Brightness (After Calibration) 1,000 nits
- Visual Viewing Angle (Horizontal) 160°
- Visual Viewing Angle (Vertical) 140°
- Brightness Uniformity ≥ 97%
- Contrast Ratio 6000:1

Images are simulated.

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(a) **Ultra-Stretch Display - 88BH7D**
- 88" class
- IPS Panel Technology
- 32:9 Aspect Ratio
- 3840 x 1080 Resolution
- Stand-Alone
- Instalation types:
  - Stand Alone
  - Tri-Sided
  - Quad-Sided
  - Video Wall
  - 360° Video Column
- Touch-Screen
- 4x Picture-in-Picture

Images are simulated.

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Specific Applications for Guestroom TVs and Signage

LG's displays fit into a broad array of applications – with full software and technological support available

A first-class in-cabin viewing experience

Passengers will appreciate the immersive experience of watching movies and entertaining shows on advanced UHD displays with LG's IPS panels that deliver brilliant images, wide viewing-angles, and vivid color reproduction. They'll also appreciate how LG displays seamlessly integrate into the environment.

Wayfinding

Digital displays located throughout the ship can provide bright, clear wayfinding, making it easy for passengers to find their way around. From simple maps to interactive touch screens with compatible apps for off-loading directions, wayfinding solutions are as simple or as complex as needed.

Creating a More Secure Environment

Fine-Pitch Indoor DVLED and Ultra-Wide screens maximize viewing multiple camera feeds to monitor all activities and improve security. webOS applications integrate to feed social media, weather and any security alert into the system so passengers can stay safe and informed.

Simplify Network Installation and Operations

LG commercial displays with embedded SoC feature the webOS Smart Signage Platform, giving you powerful multimedia capabilities and the critical management tools to address enterprise-class requirements. Integrated remote management capability allows you to monitor and control your webOS Smart Signage Platform remotely.

Transform on-board workout spaces to dynamic fitness centers

Combining a large LG digital display, such as an ultra-narrow bezel video wall, and interactive content like Fitness On Demand can transform the typical workout space into an exciting, dynamic fitness center that can provide an immersive environment for individual or group workout sessions. Best of all, workout sessions can be made available 24-hours a day to accommodate early risers and night owls.

Conclusion

LG Commercial Displays are designed and engineered to deliver outstanding performance throughout the ship. In addition to LG's Pro:Centric SMART platform, customized solutions and features like webOS and System-On-Chip can simplify installation and reduce maintenance cost, while advanced IPS panels yield outstanding brightness and color reproduction with lower power consumption. Founded on four key pillars; Superior Display Quality, Practical Design, Reliability and Low Total Cost of Operation, LG is your total solution source for advanced commercial displays.

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