

UHD89 Series

Indoor LED Video Displays



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UHD89 Series Product Overview



Multiple Cabinet Sizes

More flexibility in sizing allows for both 16:9 designs as well as creative layouts.

Tighter Curves

For faceted-curve displays, the unique 8:9 width allows for tighter curves with a radius as tight as 18'-9".

Smoother Display + Optional Protection

With up to 60% fewer seams than traditional narrow pixel pitch displays and optional impact protection, the UHD89 produces a brilliant display for any indoor environment.

Faster Installation

Because of the UHD89 unique size, fewer cabinets are needed for displays, resulting in quicker installations.

| | | UHD89/0.9 | UHD89/1.2 | UHD89/1.4 | UHD89/1.8 | UHD89/2.0 | UHD89/2.5 | UHD89/3.7 | |
|---------------------------|-------------------------------------|--|------------|------------|------------|------------|------------|------------|------------|
| DISPLAY PROPERTIES | Pixel Pitch | 0.94mm | 1.25mm | 1.49mm | 1.87mm | 2.0mm | 2.5mm | 3.75mm | |
| | Resolution (WxH) | Full Panel | 512x576 px | 384x432 px | 320x360 px | 256x288 px | 240x270 px | 192x216 px | 128x144 px |
| | | Half Height | 512x288 px | 384x216 px | 320x180 px | 256x144 px | 240x135 px | 192x108 px | 128x72 px |
| | | Half Width | 256x576 px | 192x432 px | 160x360 px | 128x288 px | 120x270 px | 96x216 px | 64x144 px |
| | | Quarter | 256x288 px | 192x216 px | 160x180 px | 128x144 px | 120x135 px | 96x108 px | 64x72 px |
| | Brightness | 800 nits | 800 nits | 800 nits | 800 nits | 800 nits | 800 nits | 800 nits | 800 nits |
| | Refresh Rate | 1920 - 3840 Hz | | | | | | | |
| | Contrast | 8000:1 | 8000:1 | 8000:1 | 8000:1 | 8000:1 | 8000:1 | 8000:1 | 8000:1 |
| | Color Depth | 18 bit | 16 bit | 16 bit | 16 bit | 16 bit | 16 bit | 16 bit | 16 bit |
| | Diode Type | Mini LED 4in1 | SMD 1010 | SMD 1212 | SMD 1515 | SMD 1515 | SMD 2121 | SMD 2121 | SMD 2121 |
| ENGINEERING | Panel Weight | Full Panel: 15.4 lbs • Half Panel: 9 lbs • Quarter Panel: 5 lbs | | | | | | | |
| | Panel Dimensions (W x H x D) | Full Panel: 480 x 540 x 54mm / 18.89" x 21.26" x 2.13" Half Height Panel: 480 x 270 x 54mm / 18.89" x 10.63" x 2.13" Half Width Panel: 240 x 540 x 54mm / 9.45" x 21.26" x 2.13" Quarter Panel: 240 x 270 x 54mm / 9.45" x 10.63" x 2.13" | | | | | | | |
| | Installation & Service | Front | | | | | | | |
| | Operating Voltage | AC 100 ~ 240V | | | | | | | |
| | Power (W/sqm) | 650/150 | | | | | | | |
| | Environment Rating | IP5X Indoor | | | | | | | |
| | Certifications | FCC, ETL | | | | | | | |

Specifications are accurate at time of printing. Actual specifications may vary due to customizations or updates. Specifications should be confirmed upon ordering.

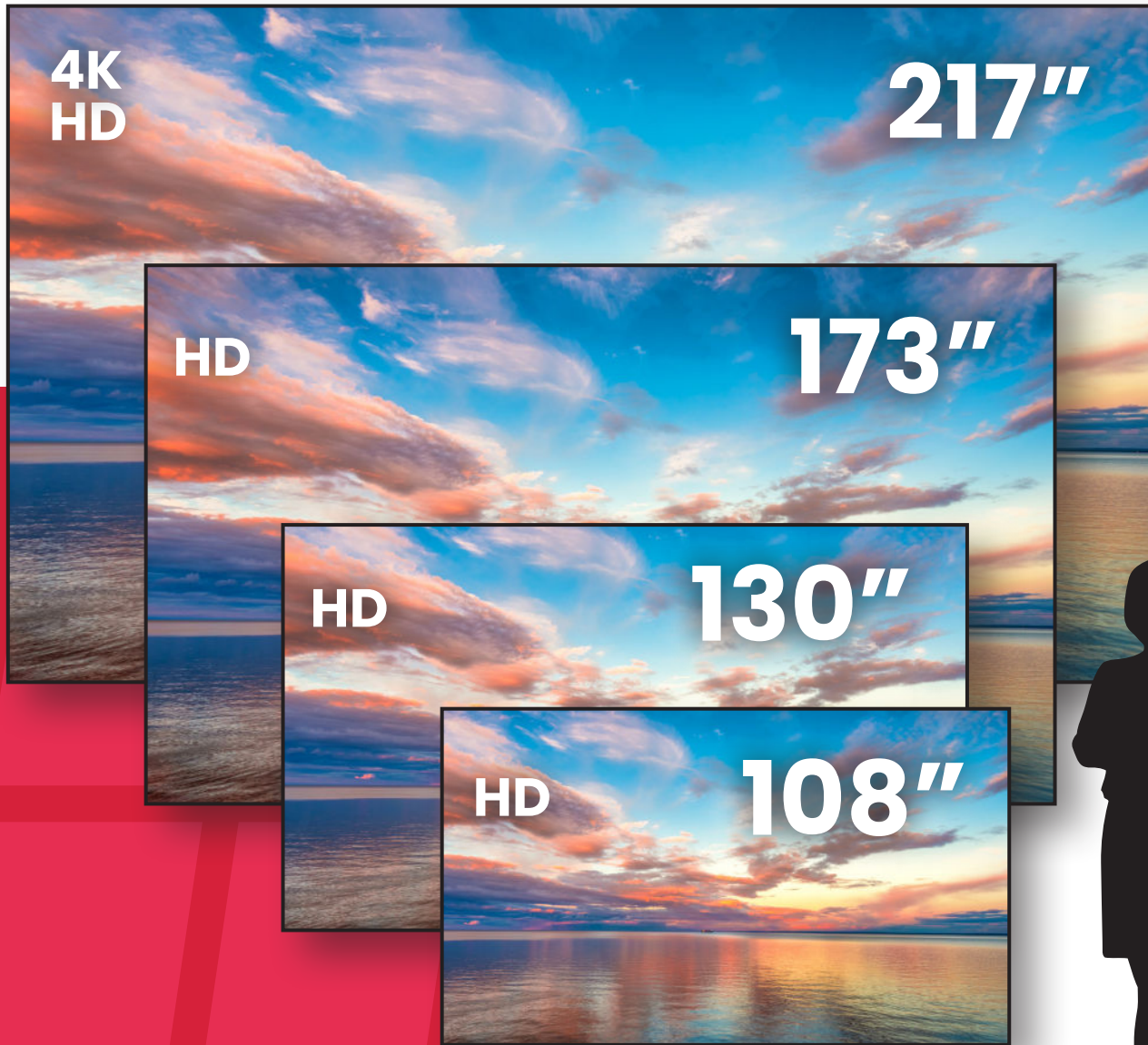


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UHD89 Series

Neoti Complete™

Indoor LED Video Displays



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Neoti Complete™ Specifications



Neoti Complete is a pre-packaged, partially assembled dvLED solution that comes in HD and 4K options and sizes.

The included easy-to-install mount, integrated control system, and included LED sections take the guesswork out of configuring and installing a direct-view LED video wall.

Typical install time is less than half a day, with easy-to-follow instructions.

- Includes ADA compliant mount and trim.
- Image enhancement technology allows for improved grayscale and color performance - even in low-brightness environments.
- Digital and analog audio outputs for sending audio to external sound systems.
- Built-In Wifi, Ethernet, and Bluetooth.

| | 108" HD | 130" HD | 173" HD | 217" HD | 217" 4K | |
|---------------------------|-----------------------------------|--|------------------|------------------|------------------|------------------|
| DISPLAY PROPERTIES | Pixel Pitch | 1.2mm | 1.4mm | 2.0mm | 2.5mm | 1.2mm |
| | Resolution | 1920x1080 px | 1920x1080 px | 1920x1080 px | 1920x1080 px | 3840x2160 px |
| | Brightness | 800 nits | 800 nits | 800 nits | 800 nits | 800 nits |
| | Refresh Rate | ≥ 3840 Hz | ≥ 3840 Hz | ≥ 3840 Hz | ≥ 3840 Hz | ≥ 3840 Hz |
| | Contrast | 8000:1 | 8000:1 | 8000:1 | 8000:1 | 8000:1 |
| | Color Depth | 18 bit | 16 bit | 16 bit | 16 bit | 16 bit |
| | Diode Type | SMD (Optional GOB Protection) | | | | |
| ENGINEERING | Display Dimensions | 108" Diagonal | 130" Diagonal | 173" Diagonal | 217" Diagonal | 217" Diagonal |
| | Inches (W x H) | 94.49" x 53.15" | 113.39" x 63.78" | 151.18" x 85.04" | 188.98" x 106.3" | 188.98" x 106.3" |
| | Feet (W x H) | 7.9' x 4.4' | 9.5' x 5.3' | 12.6' x 7.1' | 15.75' x 8.9' | 15.75' x 8.9' |
| | Weight (lbs) | 280 lbs | 368 lbs | 602 lbs | 920 lbs | 920 lbs |
| | Installation & Service | Front | | | | |
| | Operating Voltage | AC 100 ~ 240V | | | | |
| | Power (W/sqm) | 650/150 | | | | |
| | Environment Rating | IP5X Indoor | | | | |
| | Certifications | FCC | | | | |
| | Inputs / Outputs | 2 HDMI 1.3 Inputs, 1 HDMI 1.3 Loop Out, 1 USB 3.0, 1 USB 2.0, SPDIF, 3.5mm Audio Out | | | | |

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Neoti Complete™

UHD Pro™ Series

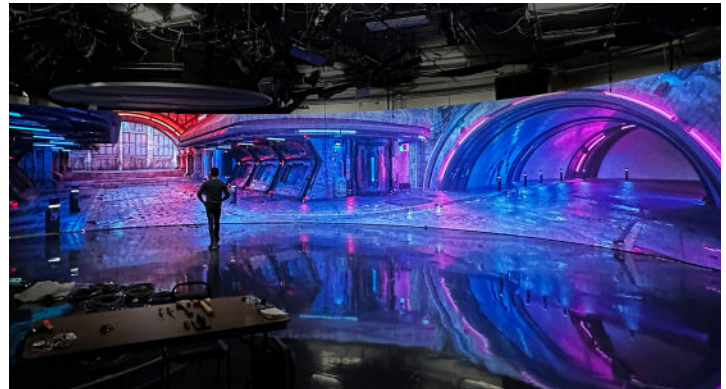
Industry Best LED Display & Control System



Advanced Image Performance

The TAA compliant UHD Pro Series provides industry-best image performance for the most demanding environments with exclusive automatic and color-space calibration, by combining an exclusive direct-view LED panel and control system combination - perfect for:

- Design Centers
- Control Centers
- Broadcast and XR Studios
- Commercial Spaces
- Government Facilities
- Defense Command Centers



Redefining the Possibilities of Color & Performance

Not content with the status quo, the advanced performance of the UHD Pro Series begins with selecting the finest LED components, and utilizes the most precise color matching and calibration control in the industry.



Industry Exclusive Automatic Calibration

When modules are replaced with spares or moved within a finished display, the new module's calibration is automatically adjusted to match the surrounding cabinets for a perfectly calibrated display without the hassle of manual color adjustments.

True Color Reproduction

The UHD Pro system does not modify the input signal (as other systems do), it orchestrates the LED hardware to preserve the integrity of the color balance of true-to-life imagery. With the ability to synchronize ICC color profiles, design workflows are fundamentally changed for the better!

Dynamic Thermo and Line Compensation

Proprietary tools such as dynamic thermal and line compensation give you perfect color management and image homogeneity.

Low-Brightness Gamma Correction

The UHD Pro's proprietary gamma correction technology achieves the purest black levels and gradients at extremely low brightness levels.

Integrated Video-Mixer

All the standard mixing capabilities including scaling, cropping, picture in picture, saving and starting presets including fading functions, handling up to 4 different video layers.

- Video inputs: 3G-HDSI, HDMI, DP
- Integrated Switcher and Video Scaler
- Supported Refresh Rates: 50, 60, 75, 100, 120 Hz
- Color Temperature: adjustable 3,000° K - 10,000° K
- Brightness: Adjustable in 0.1% steps 0.1% - 100%
- Real Time Integrated System Monitoring Tool
- Automatic Color Adjustment



UHD Pro™ Series Specifications



0.9 - 2.5
Pixel Pitch

16:9
Aspect Ratio

Front
Install & Service




| | | UP09 | UP12 | UP15 | UP18 | UP25 |
|---------------------------|-----------------------------------|--|----------------|----------------|----------------|--------------|
| DISPLAY PROPERTIES | Pixel Pitch | 0.9 mm | 1.25 mm | 1.56 mm | 1.88 mm | 2.5mm |
| | Resolution (H/V) | 640x360 px | 480x270 px | 384x216 px | 320x180 px | 240x135 px |
| | Brightness | 800 nits | | | | |
| | Refresh Rate | ≤ 3840 Hz | | | | |
| | Contrast | 5000:1 | | | | |
| | Color Depth | 16 bit | | | | |
| | Diode Type | 4-in-1 SMD | SMD | SMD | SMD | SMD |
| ENGINEERING | Panel Weight | 15 lbs | | | | |
| | Panel Dimensions | Metric: 600 x 337.5 x 58mm / Imperial: 23.622 x 13.287 x 2.28 in (WxHxD) | | | | |
| | Installation & Service | Front | | | | |
| | Operating Voltage | AC 110 ~ 240V (50 ~ 60Hz) | | | | |
| | Panel Power (Max/Avg) | 122 / 41 W | | | | |
| | Environment Rating | IP50 | | | | |
| | Certifications | FCC, UL, CE-TUV, ETL, RoHS, CCC. TAA Compliant. | | | | |

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UHD Pro Series



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COB Series

Rugged, Ultra High Definition LED Displays



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Advantages of COB

- Superior Impact, Dust, & Moisture Protection
- Lower Failure Rate than SMD
- Easy to Clean & Maintain
- Perfect for Interactive Touch Applications

Durability in Demanding Spaces

Neoti's COB series protects the display from impact, dust, and moisture - allowing ultra-high-definition displays in environments where previously inhibited.

All-In-One Accessories

Package the COB with accessories like our interactive touch frame, rolling floor stand, wall mount, and more!



Quick and Easy Assembly

A simple, modular design allows for a quick and easy setup, and cableless interconnects keep things tidy.

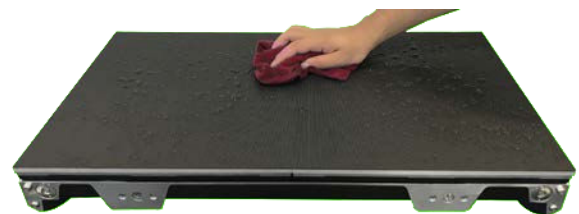
Interactive Touch Available



Add multi-touch interactivity to your display for a bright, immersive display like none other!

Rental Frames Available

Need rugged UHD rental panels? With the available rental frames, the COB line delivers!





COB Series Specifications

RUGGED
Environments

16:9
Aspect Ratio




Front
Install & Service

| | | COB071 | COB091 | COB191 |
|---------------------------|-----------------------------------|---|---|---|
| DISPLAY PROPERTIES | Pixel Pitch | 0.7mm | 0.9mm | 1.9mm |
| | Resolution (H/V) | 768x432 px | 640x360 px | 320x180 px |
| | Brightness | 600 nits | 450 nits | 600 nits |
| | Refresh Rate | ≤ 3000 Hz | ≤ 3060 Hz | ≤ 3000 Hz |
| | Contrast | 5000:1 | 5000:1 | 5000:1 |
| | Color Depth | 13 bit | 13 bit | 14 bit |
| | Viewing Angle (H/V) | 170° / 160° | 170° / 160° | 160° / 140° |
| | Diode Type | COB | COB | COB |
| ENGINEERING | Panel Weight | 12 lbs. | 15.9 lbs | 16.09 lbs |
| | Panel Dimensions (WxHxD) | 608 x 342 x 36mm 23.94 x 13.46 x 1.42 in | 600 x 337.5 x 59.5mm 23.6 x 13.3 x 2.34 in | 608 x 342 x 71mm 23.94 x 13.46 x 2.79 in |
| | Installation & Service | Front | | |
| | Operating Voltage | AC 100 ~ 240V (50 ~ 60Hz) | | |
| | Panel Power (Max/Avg) | 132 / 53 W | | |
| | Operating Temperature | 14°~ + 104° F | | |
| | Environment Rating | 14°~ + 104° F | | |
| | Certifications | FCC, ETL, CCC | | |







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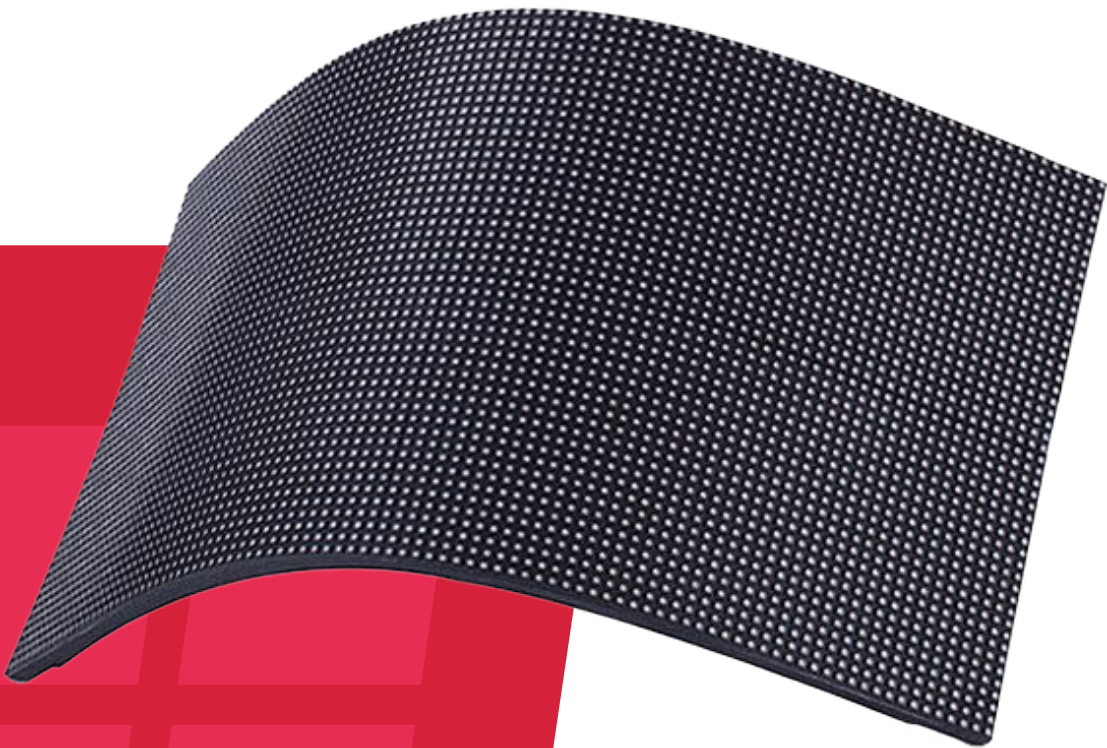
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Flex Series

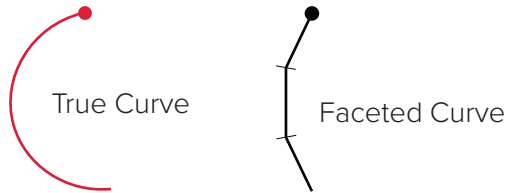
Flexible Direct-View LED Displays



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True Curve Design

Where flat panels have a faceted design when curved, the Creative Flex Series provides a true seamless, smooth display.



Diameters For Design

Tight minimum diameters give freedom to design a display that's truly unique!

CF16I, CF19I, and CF25I

Minimum Concave Diameter: 45 inches

Minimum Convex Diameter: 30 inches

CF3I, CF4I, and CF6I

Minimum Concave Diameter: 29 inches

Minimum Convex Diameter: 14.4 inches





Flex Series Specifications

1.2 - 6.0
Pixel Pitch

Flexible
For Custom Shapes




Front
Install & Service

| | | CF12I | CF16I | CF19I | CF25I | CF3I | CF4I | CF6I |
|---------------------------|-----------------------------------|---------------------------|------------------|-------------|-------------|-------------------|-------------|-------------|
| DISPLAY PROPERTIES | Pixel Pitch | 1.25mm | 1.67mm | 1.92mm | 2.5mm | 3mm | 4mm | 6mm |
| | Resolution (H/V) | 160x240px | 240x180 px | 208x156 px | 160x120 px | 96x48 px | 72x36 px | 48x24 px |
| | Brightness | 600 nits | 600 nits | 600 nits | 800 nits | 1000 nits | 1000 nits | 1000 nits |
| | Refresh Rate | ≥ 1920 Hz | ≥ 1920 Hz | ≥ 1920 Hz | ≥ 1920 Hz | ≥ 960 Hz | ≥ 960 Hz | ≥ 960 Hz |
| | Contrast | 5000:1 | 5000:1 | 5000:1 | 5000:1 | 5000:1 | 5000:1 | 5000:1 |
| | Color Depth | 14 bit | 14 bit | 14 bit | 14 bit | 14 bit | 14 bit | 14 bit |
| | Viewing Angle (H/V) | 160° / 160° | 160° / 140° | 160° / 140° | 160° / 140° | 160° / 140° | 160° / 140° | 160° / 140° |
| | Diode Type | SMD | SMD | SMD | SMD | SMD | SMD | SMD |
| ENGINEERING | Panel Weight | 1.10 lbs | 2.91 lbs | 2.91 lbs | 2.91 lbs | 0.79 lbs | 0.79 lbs | 0.79 lbs |
| | Panel Dimensions (WxHxD) | 200 x 300 x 8mm | 400 x 300 x 10mm | | | 288 x 144 x 7.5mm | | |
| | Installation & Service | Front / Back | | | | | | |
| | Operating Voltage | AC 100 ~ 240V (50 ~ 60Hz) | | | | | | |
| | Panel Power (Max/Avg) | 30 / 10 W | 128 / 45 W | 128 / 45 W | 128 / 45 W | 97 / 32 W | 97 / 32 W | 97 / 32 W |
| | Operating Temperature | -4°~ + 140°F | | | | | | |
| | Environment Rating | IP43 (Indoor) | | | | | | |
| | Certifications | FCC, CE, RoHS | | | | | | |







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LW Series

Direct-View LED Display Packages



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LW Series

Package Specifications

Package Features:

- Display Panels
- 10% Spare Panels
- Hanging Mount
- Trim Kit
- Simple 1-day Installation
- VX-1000 Controller
- Full Compatibility with Video & Lighting Control Systems

Optional:

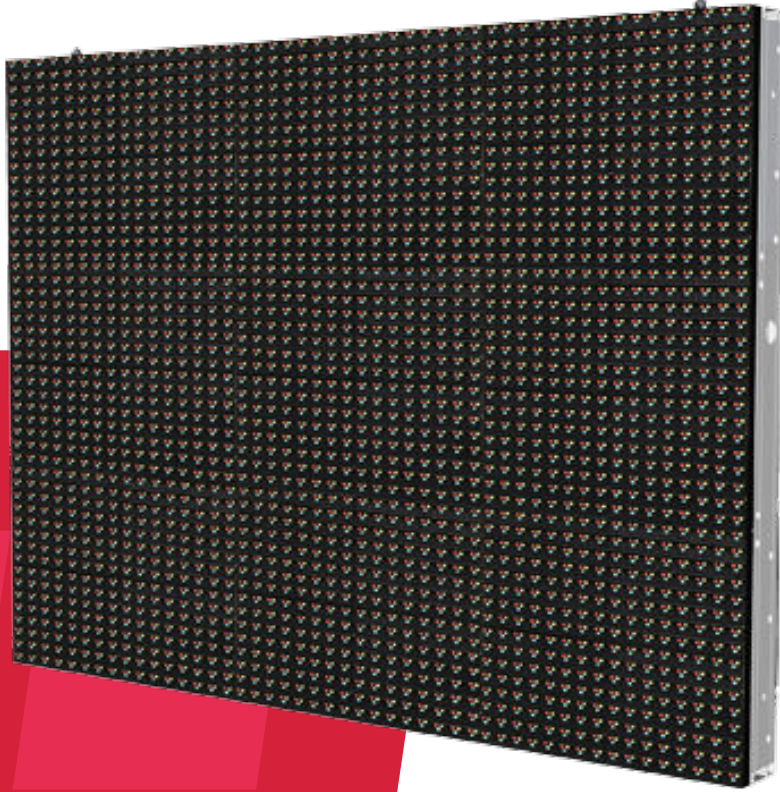
- Multi-Touch
- GOB Environmental Coating
- 21:9 Microsoft Teams Configurations

| | | LW26-148 | LW39-148 | LW26-169 | LW39-169 | LW26-2012 | LW39-2012 |
|---------------------------|--|---|-----------------------------|---|------------------------------|---|------------------------------|
| DISPLAY PROPERTIES | Pixel Pitch | 2.6mm | 3.9mm | 2.6mm | 3.9mm | 2.6mm | 3.9mm |
| | Diagonal Size | 203" | | 230" | | 273" | |
| | Wall Resolution (HxV) Configuration | 1728x960 9x5 (45 panels) | 1152x640 9x5 (45 panels) | 1920x1152 10x6 (60 panels) | 1280x768 10x6 (60 panels) | 2304x1344 12x7 (84 panels) | 1536x896 12x7 (84 panels) |
| | Panel Resolution (HxV) | 576x384 px | 384x256 px | 576x384 px | 384x256 px | 576x384 px | 384x256 px |
| | Brightness | 1000 nits | | 1000 nits | | 1000 nits | |
| | Refresh Rate | ≤ 3840 Hz | | ≤ 3840 Hz | | ≤ 3840 Hz | |
| | Contrast | 3000:1 | | 3000:1 | | 3000:1 | |
| | Color Depth | 16 bit | | 16 bit | | 16 bit | |
| | Diode Type | SMD 1515 | | SMD 1515 | | SMD 1515 | |
| ENGINEERING | Panel/Wall Weight | 17 lbs. 765 lbs. | | 17 lbs. 1020 lbs. | | 17 lbs. 1428 lbs. | |
| | Panel Dimensions (W x H x D) | 500 x 500 x 82mm 19.68" x 19.68" x 3.22" | | 500 x 500 x 82mm 19.68" x 19.68" x 3.22" | | 500 x 500 x 82mm 19.68" x 19.68" x 3.22" | |
| | Wall Dimensions (W x H x D) | 4,500 x 2,500 x 82mm 14' 9.17" x 8' 2.43" x 0' 3.22" 177.17" x 98.43" x 3.22" | | 5000 x 3000 x 82mm 16' 4.85" x 9' 10.11" x 0' 3.22" 196.85" x 118.11" x 3.22" | | 6000 x 3500 x 82mm 19' 8.22" x 11' 5.8" x 0' 3.22" 236.22" x 137.8" x 3.22" | |
| | Installation & Service | Front | | Front | | Front | |
| | Operating Voltage | AC ~ 110-240V (50 ~ 60Hz) | | AC ~ 110-240V (50 ~ 60Hz) | | AC ~ 110-240V (50 ~ 60Hz) | |
| | Power (Max/Avg) | 5625 / 1856 Watts | | 7500 / 2475 Watts | | 10500 / 3465 Watts | |
| | Environment Rating | IP40 (Front) / IP21 (Rear) | | IP40 (Front) / IP21 (Rear) | | IP40 (Front) / IP21 (Rear) | |
| Certifications | RoHS, CCC | | RoHS, CCC | | RoHS, CCC | | |

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Eco Series

Large Format, Outdoor LED Displays



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Eco Series Specifications

High Grade Protection

Built to withstand the most demanding elements, The Eco Series is suitable for billboards, outdoor signage, and more!

Front or Rear Installation & Service

The Eco Series panels can be installed or maintained from either the front or rear of the display - giving you complete flexibility.

| | EL20 | EL40 | EL60 | EL100 | EL160 | |
|---------------------------|-----------------------------------|--|-------------------|--------------------|--------------------|--------------------|
| DISPLAY PROPERTIES | Pixel Pitch | 2.88 mm | 4.44 mm | 6.66 mm | 10.66 mm | 16 mm |
| | Resolution (H/V) | 352 x 88 px | 216 x 216 px | 192 x 144 px | 120 x 90 px | 80 x 60 px |
| | Brightness | 4000 nits | 5500 nits | 6500 nits | 8000 nits | 8000 nits |
| | Refresh Rate | ≥ 3840 Hz | ≥ 1920 Hz | ≥ 1920 Hz | ≥ 1920 Hz | ≥ 1920 Hz |
| | Contrast | 5000:1 | 5000:1 | 5000:1 | 5000:1 | 5000:1 |
| | Color Depth | 16 bit | 16 bit | 16 bit | 16 bit | 16 bit |
| | Diode Type | SMD 1415 | SMD 1921 | SMD 2727 | DIP 346 | DIP 346 |
| ENGINEERING | Panel Weight | 16.6 lbs. | 66.14 lbs. | 68.34 lbs. | 85.88 lbs. | 85.88 lbs. |
| | Panel Dimensions | 1000 x 250 x 96 mm | 960 x 960 x 96 mm | 1280 x 960 x 96 mm | 1280 x 960 x 96 mm | 1280 x 960 x 96 mm |
| | Installation & Service | Front or Rear | | | | |
| | Operating Voltage | AC 100 ~ 240V (50 ~ 60Hz) | | | | |
| | Panel Power (Max/Avg) | 188 / 63 W | 599 / 199 W | 897 / 299 W | 380 / 126 W | 400 / 130 W |
| | Temperature | Operating: -4°~ + 122°F / Storage: -40°~ + 140°F | | | | |
| | Humidity | Operating: 10% ~90% RH / Storage: 10% ~90% RH | | | | |
| | Environment Rating | IP65 (Front), IP54 (Rear) | | | | |
| Certifications | CE, ETL, FCC, RoHS | | | | | |

*Optional changes to this series include: high brightness, energy savings, higher refresh rate, data and power redundancy and sea protection. Specifications are accurate at time of printing. Actual specifications may vary due to customizations or updates. Specifications should be confirmed upon ordering.