

# 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.

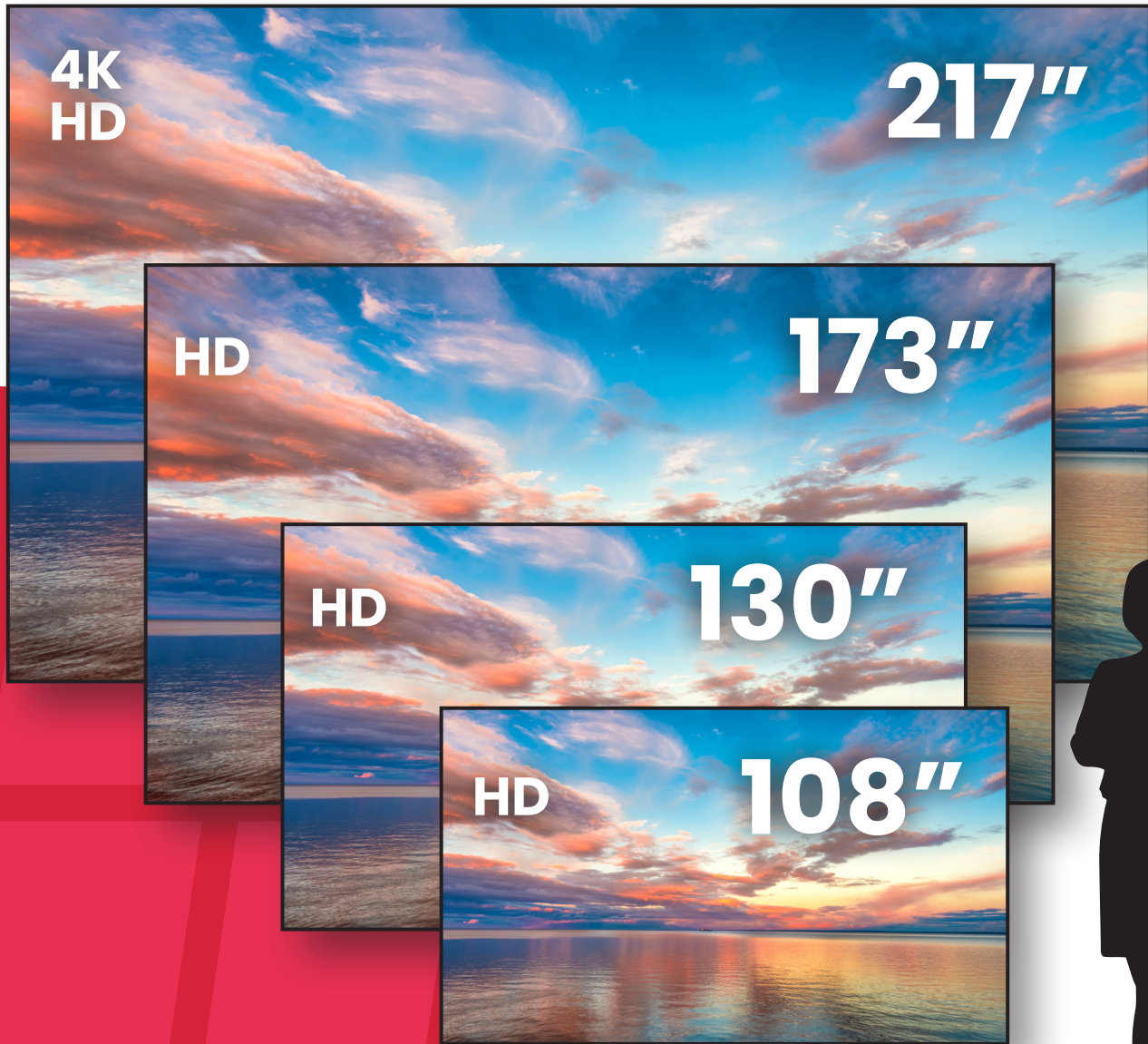
		UHD89/0.9	UHD89/1.2	UHD89/1.4	UHD89/1.8	UHD89/2.0	UHD89/2.5	UHD89/3.7	
DISPLAY PROPERTIES	<b>Pixel Pitch</b>	0.94mm	1.25mm	1.49mm	1.87mm	2.0mm	2.5mm	3.75mm	
	<b>Resolution (WxH)</b>	Full Panel	512x576 px	384x432 px	320x360 px	256x288 px	240x270 px	192x216 px	128x144 px
		Half Height	512x288 px	384x216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

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



# 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	
<b>DISPLAY PROPERTIES</b>	<b>Pixel Pitch</b>	1.2mm	1.4mm	2.0mm	2.5mm	1.2mm
	<b>Resolution</b>	1920x1080 px	1920x1080 px	1920x1080 px	1920x1080 px	3840x2160 px
	<b>Brightness</b>	800 nits	800 nits	800 nits	800 nits	800 nits
	<b>Refresh Rate</b>	≥ 3840 Hz	≥ 3840 Hz	≥ 3840 Hz	≥ 3840 Hz	≥ 3840 Hz
	<b>Contrast</b>	8000:1	8000:1	8000:1	8000:1	8000:1
	<b>Color Depth</b>	18 bit	16 bit	16 bit	16 bit	16 bit
	<b>Diode Type</b>	SMD (Optional GOB Protection)				
<b>ENGINEERING</b>	<b>Display Dimensions</b>	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
	<b>Installation &amp; Service</b>	Front				
	<b>Operating Voltage</b>	AC 100 ~ 240V				
	<b>Power (W/sqm)</b>	650/150				
	<b>Environment Rating</b>	IP5X Indoor				
	<b>Certifications</b>	FCC				
	<b>Inputs / Outputs</b>	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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# 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
<b>DISPLAY PROPERTIES</b>	<b>Pixel Pitch</b>	<b>0.9 mm</b>	<b>1.25 mm</b>	<b>1.56 mm</b>	<b>1.88 mm</b>	<b>2.5mm</b>
	<b>Resolution (H/V)</b>	640x360 px	480x270 px	384x216 px	320x180 px	240x135 px
	<b>Brightness</b>	800 nits				
	<b>Refresh Rate</b>	≤ 3840 Hz				
	<b>Contrast</b>	5000:1				
	<b>Color Depth</b>	16 bit				
	<b>Diode Type</b>	4-in-1 SMD	SMD	SMD	SMD	SMD
<b>ENGINEERING</b>	<b>Panel Weight</b>	15 lbs				
	<b>Panel Dimensions</b>	Metric: 600 x 337.5 x 58mm / Imperial: 23.622 x 13.287 x 2.28 in (WxHxD)				
	<b>Installation &amp; Service</b>	Front				
	<b>Operating Voltage</b>	AC 110 ~ 240V (50 ~ 60Hz)				
	<b>Panel Power (Max/Avg)</b>	122 / 41 W				
	<b>Environment Rating</b>	IP50				
	<b>Certifications</b>	FCC, UL, CE-TUV, ETL, RoHS, CCC. TAA Compliant.				




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**UHD Pro Series**









## Corporate Office, Manufacturing & Service Warehouse

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# COB Series

Rugged, Ultra High Definition LED Displays



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### Advantages of COB

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

### Durability in Demanding Spaces

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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

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



### Quick and Easy Assembly

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

### Interactive Touch Available

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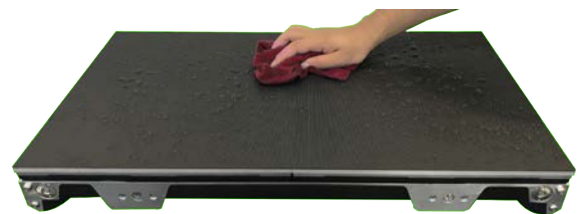


Add multi-touch interactivity to your display for a bright, immersive display like none other!

### Rental Frames Available

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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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**COB Series**









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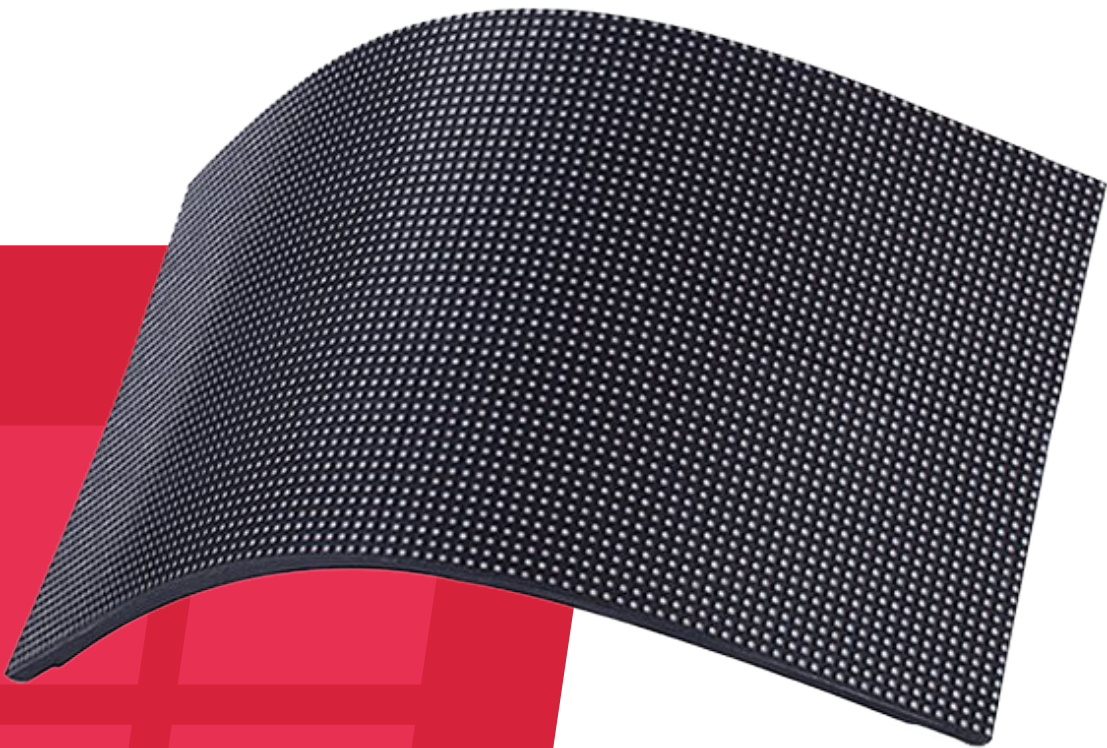
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# Flex Series

Flexible Direct-View LED Displays

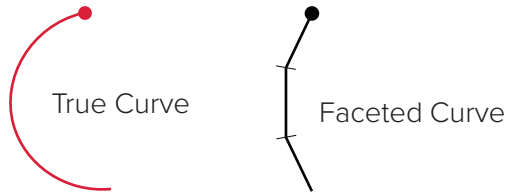


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### True Curve Design

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



### Diameters For Design

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

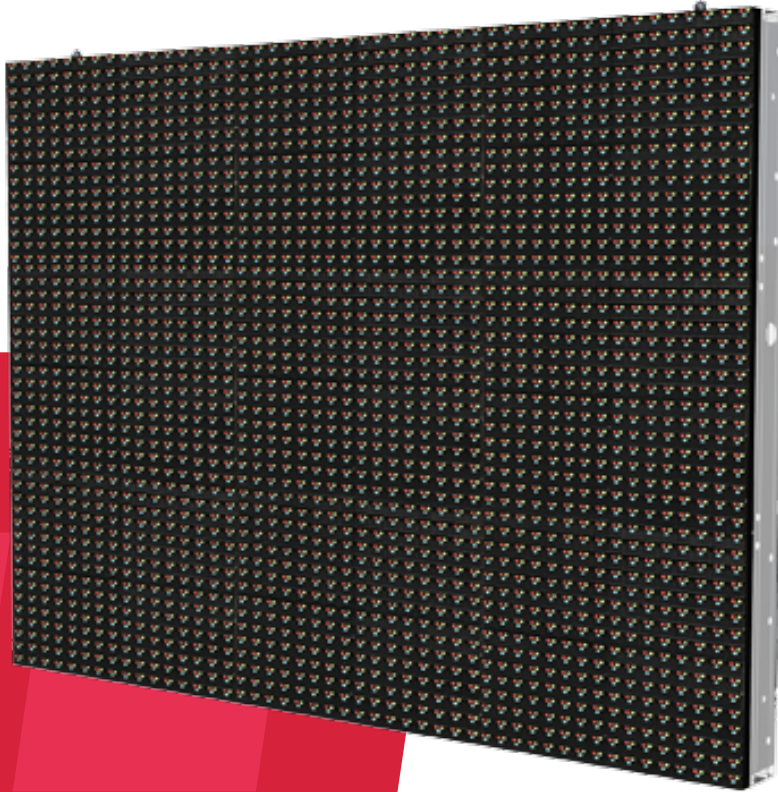
- Multi-Touch
- GOB Environmental Coating
- 21:9 Microsoft Teams Configurations

	LW26-148	LW39-148	LW26-169	LW39-169	LW26-2012	LW39-2012	
<b>DISPLAY PROPERTIES</b>	<b>Pixel Pitch</b>	2.6mm	3.9mm	2.6mm	3.9mm	2.6mm	3.9mm
	<b>Diagonal Size</b>	203"		230"		273"	
	<b>Wall Resolution (HxV) Configuration</b>	1728x960 9x5 (45 panels)	1152x640 9x5 (45 panels)	1920x1152 10x6 (60 panels)	1280x768 10x6 (60 panels)	2304x1344 12x7 (84 panels)	1536x896 12x7 (84 panels)
	<b>Panel Resolution (HxV)</b>	576x384 px	384x256 px	576x384 px	384x256 px	576x384 px	384x256 px
	<b>Brightness</b>	1000 nits		1000 nits		1000 nits	
	<b>Refresh Rate</b>	≤ 3840 Hz		≤ 3840 Hz		≤ 3840 Hz	
	<b>Contrast</b>	3000:1		3000:1		3000:1	
	<b>Color Depth</b>	16 bit		16 bit		16 bit	
	<b>Diode Type</b>	SMD 1515		SMD 1515		SMD 1515	
<b>ENGINEERING</b>	<b>Panel/Wall Weight</b>	17 lbs. 765 lbs.		17 lbs. 1020 lbs.		17 lbs. 1428 lbs.	
	<b>Panel Dimensions (W x H x D)</b>	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"	
	<b>Wall Dimensions (W x H x D)</b>	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"	
	<b>Installation &amp; Service</b>	Front		Front		Front	
	<b>Operating Voltage</b>	AC ~ 110-240V (50 ~ 60Hz)		AC ~ 110-240V (50 ~ 60Hz)		AC ~ 110-240V (50 ~ 60Hz)	
	<b>Power (Max/Avg)</b>	5625 / 1856 Watts		7500 / 2475 Watts		10500 / 3465 Watts	
	<b>Environment Rating</b>	IP40 (Front) / IP21 (Rear)		IP40 (Front) / IP21 (Rear)		IP40 (Front) / IP21 (Rear)	
	<b>Certifications</b>	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	
<b>DISPLAY PROPERTIES</b>	<b>Pixel Pitch</b>	<b>2.88 mm</b>	<b>4.44 mm</b>	<b>6.66 mm</b>	<b>10.66 mm</b>	<b>16 mm</b>
	<b>Resolution (H/V)</b>	352 x 88 px	216 x 216 px	192 x 144 px	120 x 90 px	80 x 60 px
	<b>Brightness</b>	4000 nits	5500 nits	6500 nits	8000 nits	8000 nits
	<b>Refresh Rate</b>	≥ 3840 Hz	≥ 1920 Hz	≥ 1920 Hz	≥ 1920 Hz	≥ 1920 Hz
	<b>Contrast</b>	5000:1	5000:1	5000:1	5000:1	5000:1
	<b>Color Depth</b>	16 bit	16 bit	16 bit	16 bit	16 bit
	<b>Diode Type</b>	SMD 1415	SMD 1921	SMD 2727	DIP 346	DIP 346
<b>ENGINEERING</b>	<b>Panel Weight</b>	16.6 lbs.	66.14 lbs.	68.34 lbs.	85.88 lbs.	85.88 lbs.
	<b>Panel Dimensions</b>	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
	<b>Installation &amp; Service</b>	Front or Rear				
	<b>Operating Voltage</b>	AC 100 ~ 240V (50 ~ 60Hz)				
	<b>Panel Power (Max/Avg)</b>	188 / 63 W	599 / 199 W	897 / 299 W	380 / 126 W	400 / 130 W
	<b>Temperature</b>	Operating: -4°~ + 122°F / Storage: -40°~ + 140°F				
	<b>Humidity</b>	Operating: 10% ~90% RH / Storage: 10% ~90% RH				
	<b>Environment Rating</b>	IP65 (Front), IP54 (Rear)				
<b>Certifications</b>	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.