CLEARLED : MESH SERIES

INTRODUCTION

Lightweight, highly transparent, and versatile, the MESH Series transforms spaces with stunning visuals, ensuring impactful displays for indoor and outdoor environments without obstructing views.

IP67
Dust & Water Resistant

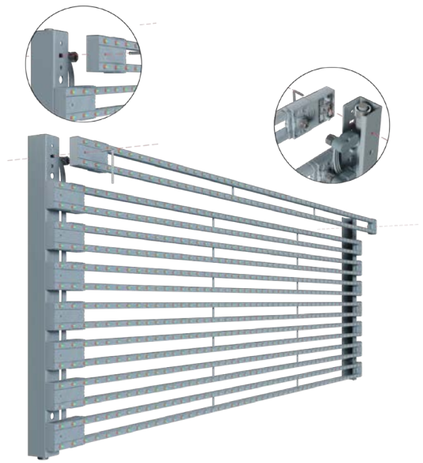
55% - 72%
Transparency

9kg/m²
Min. Weight

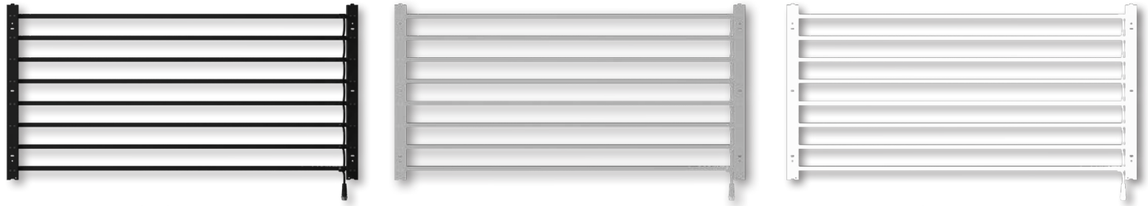
10,000 nits
Max. Brightness

5,000Hz
Refresh Rate

40%
Energy Saving



3 FRAME COLOR OPTIONS

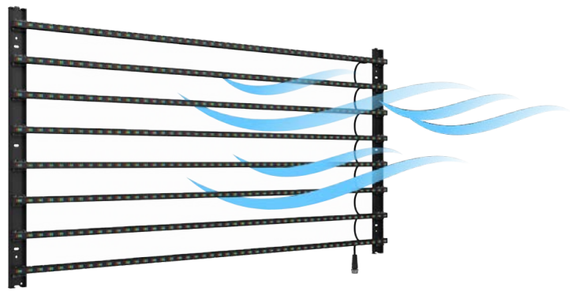


Black Frame | Grey Frame | White Frame

3 LED MOUNTING METHODS

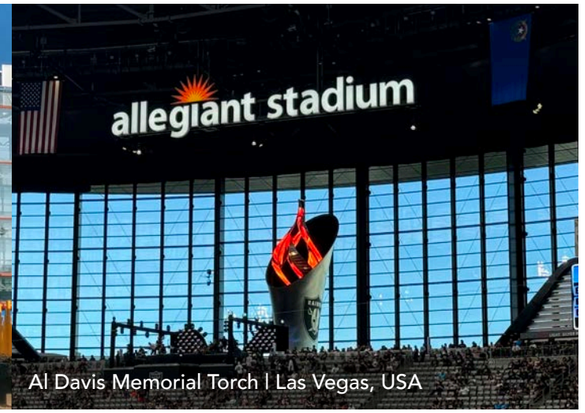


REDUCED WIND LOAD REACTION





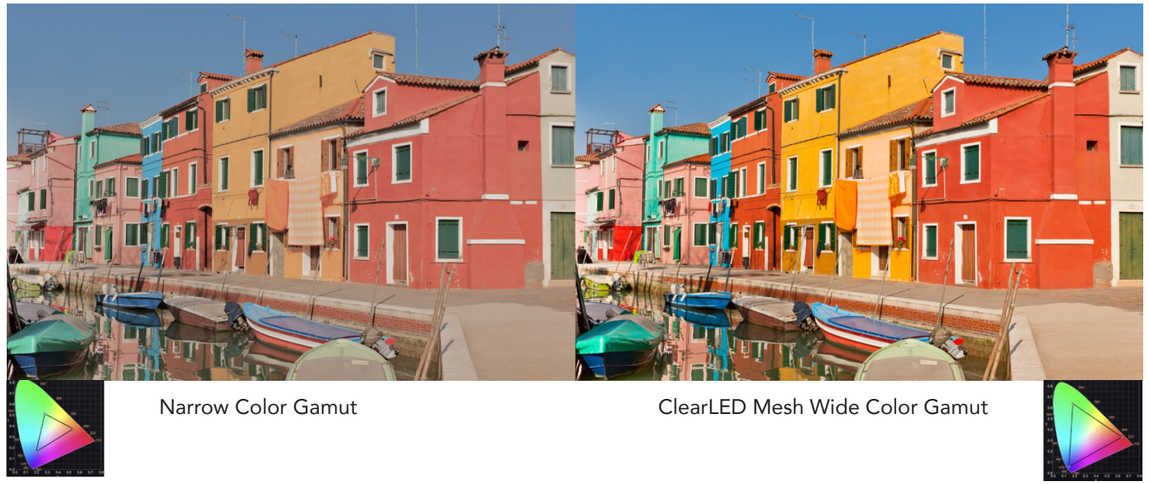
IFEMA Madrid | Madrid, Spain



Al Davis Memorial Torch | Las Vegas, USA

VIVID COLOR SPECTRUM

The MESH Series delivers exceptional color accuracy with a wide color gamut, reproducing true-to-life colors across an extensive range for stunning visual performance.



Narrow Color Gamut | ClearLED Mesh Wide Color Gamut

EXTREME TEMPERATURE RESILIENCE

With an IP67 rating, MESH Series withstands rain, snow, strong winds, and operates reliably in extreme temperatures from -40°C to +70°C, ensuring stable performance in the harshest conditions.

LONG DISTANCE TRANSMISSION

The MESH Series separates power and control components, reducing curtain wall load and system weight. This design ensures easier maintenance, enhanced efficiency, and long-term reliability with minimal disruptions.

EFFORTLESS SETUP AND CARE

The MESH Series' innovative structure and patented design allow single-person, tool-free installation and maintenance in just one minute, ensuring quick, hassle-free setup and easy upkeep.

MESH SERIES | TECH SPECS

MODULE	UNITS	MESH10x16	MESH16	MESH20x25	MESH25	MESH25x50	MESH31.25	MESH31.25x50	MESH25	MESH25x50D	MESH31.25	MESH31.25D	MESH31.25x50D
LED Type	/	SMD 3 in 1							DIP346				
Pixel Pitch	mm	10 x 16	16 x 16	20.8 x 25	25 x 25	25 x 50	31.25 x 31.25	31.25 x 50	25 x 25	25 x 50	31.25 x 31.25	31.25 x 31.25	31.25 x 50
Pixel Configuration	/	SMD2727	SMD3535	SMD3535	SMD3535	SMD3535	SMD3535	SMD3535	1R1G1PB	2R2G2PB	1R1G1PB	2R2G2PB	2R2G2PB
Resolution	pixel/m²	6,250	3,906	1,920	1,600	800	1,024	640	1,600	800	1,024	1.024	640
Panel Size (WxHxD)	mm	384 x 640 x 58	384 x 1024 x 58	400 x 1000 x 58	400 x 1200 x 58	800 x 1200 x 58	500 x 1500 x 58	800 x 1500 x 58	400 x 1200 x 58	800 x 1200 x 58	500 x 1500 x 58	500 x 1500 x 58	800 x 1500 x 58
Weight	kg/m²	17.5	16	15.6	14	14	12	10	18.5	10.8	13	13.8	9
Cabinet Construction	/	Aluminum							Aluminum				
Brightness	nits	10,000	7,800	6,000	5,000	2,500	3,200	2,000	9,000	7,200	6,000	9,200	6,000
Transparency	%	>54.4	>54.4	>58	>58	>72	>55	>72	>58	>72	>55	>55	>72
Contrast Ratio	/	1,500 : 1							1,500 : 1				
Viewing Angle (H/V)	°	120/120							120/60				
Video Processing	/	24 bits,100% digital							24 bits,100% digital				
Color Processing	/	16 bits per color							16 bits per color				
Color Capacity	/	281 trillion							281 trillion				
Color Wavelength	nm	R:622 ~ 630 G:525 ~ 535 B:465 ~ 475							R:622 ~ 630 G:525 ~ 535 B:465 ~ 475				
Gray Scale	bits	16							16				
Color Temperature	k	Default: 6,500k; Adjustable: 3,000 ~ 8,500k							Default: 6,500k; Adjustable: 3,000 ~ 8,500k				
Animation Rate	fps	60							60				
Refresh Rate	Hz	5,000							5,000				
Power Consumption Max.	W/m²	850	765	510	420	210	288	180	450	260	315	345	210
Power Consumption Avg.	W/m²	285	230	170	140	70	96	60	150	90	105	115	70
Calibration White Point	/	D65 ~ 6,500K							D65 ~ 6,500K				
Working Temperature	°C	-20 ~ +45							-20 ~ +45				
Cooling	°C	Fanless							Fanless				
IP Rating	/	IP67							IP67				
LED Lifetime	hours	100,000							100,000				
Service	/	Back							Back				