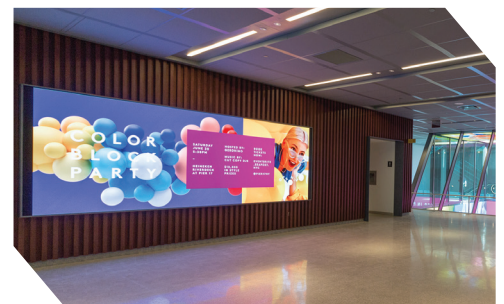
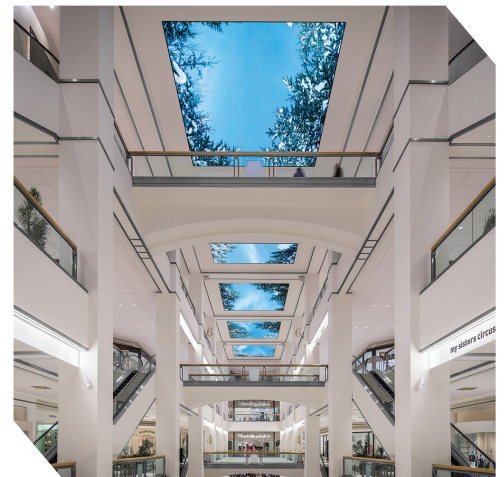




# CREATE LASTING IMPRESSIONS

From large spectaculars to corporate offices, city centers, retail or transportation centers, we have the right product and solution for your needs. We have the ability to customize our products to meet various site requirements or to create unique shapes and signature installations. We have the experience and engineering resources to develop and supply complete systems including software, product, programming, monitoring, on-site support, and flexible payment options.

- Think outside the ordinary with our ability to customize products to create a signature look
- HDR, High-Definition, 4K, 8K & beyond
- Highly-qualified, expert advice on all aspects of LED displays
- Complete system engineering for a fully-functional system
- One-stop shop for complete turnkey installation services
- Preventative maintenance programs to get the optimum life out of your investment



**XL** SERIES<sup>®</sup>  
Designed for Performance<sup>®</sup>

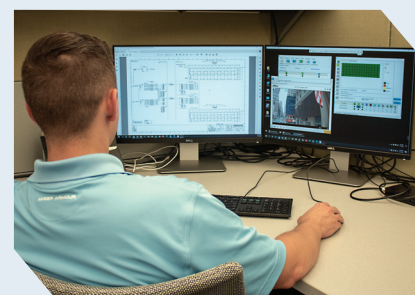
# OUTDOOR RATED DISPLAYS

Pixel Pitch	Surface Mount Device (SMD) Technology							Lamp Technology	
	4.0mm	6.0mm	8.0mm	10.0mm	12.0mm	16.0mm	20.0mm	16.00mm	20.0mm
Pixel Density (SQM)	62,500	27,777	15,625	10,000	6,944	3,906	2,500	3,906	2,500
Pixel Density (SQFT)	5,807	2,581	1,452	929	645	363	232	363	232
Brightness cd/m <sup>2</sup> (NIT)	3,500	6,500		7,500			6,500	9,000	9,000
LED Unit Size (H x W)	320 x 320	192 x 192	128 x 256	160 x 320	192 x 192	128 x 256	160 x 320	128 x 256	160 x 320
Horizontal Viewing Angle	+70° ~ -70° (140°)								
Vertical Viewing Angle	+70° ~ -70° (140°)	+39° ~ -53° (92°)	+35° ~ -60° (95°)	+39° ~ -61° (100°)	+29° ~ -63° (92°)	+29° ~ -67° (96°)	+39° ~ -74° (113°)	+25° ~ -35° (60°)	+25° ~ -33° (58°)
Color Processing	14 Bit / 16,384 levels [16 Bit / 65,536 levels HDR Option]								
Refresh Rate	3,840 Hz	2,000 Hz							
Power (Max)	600W/m <sup>2</sup> (56W/ft <sup>2</sup> )						500W/m <sup>2</sup> (46W/ft <sup>2</sup> )		
Power (Avg)	180W/m <sup>2</sup> (17W/ft <sup>2</sup> )						150W/m <sup>2</sup> (14W/ft <sup>2</sup> )		
Weight	60kg/m <sup>2</sup> (12.3lb/ft <sup>2</sup> ) Standard						45kg/m <sup>2</sup> (9.2lb/ft <sup>2</sup> ) Option		

# INDOOR RATED DISPLAYS

Pixel Pitch	2.667mm	4.0mm	6.0mm	8.0mm	10.0mm
Pixel Density (SQM)	140,625	62,500	27,777	15,625	10,000
Pixel Density (SQFT)	13,066	5,807	2,581	1,452	929
Brightness cd/m <sup>2</sup> (NIT)	1,500	1,200		1,800	
Brightness cd/m <sup>2</sup> (NIT)	2,000	1,500		3,500	
Brightness cd/m <sup>2</sup> (NIT)	2,000				
LED Unit Size H x W	192 x 384	384 x 192	192 x 192	128 x 256	160 x 320
Horizontal Viewing Angle	+70° ~ -70° (140°)				
Vertical Viewing Angle	+70° ~ -70° (140°)				
Color Processing	14 Bit / 16,384 levels [16 Bit / 65,536 levels HDR Option]				
Refresh Rate	2,000 Hz				
Power (Max)	500W/m <sup>2</sup> (46W/ft <sup>2</sup> )	400W/m <sup>2</sup> (37W/ft <sup>2</sup> )			
Power (Avg)	167W/m <sup>2</sup> (16W/ft <sup>2</sup> )	150W/m <sup>2</sup> (14W/ft <sup>2</sup> )			
Weight	23kg/m <sup>2</sup> (4.9lb/ft <sup>2</sup> )	50kg/m <sup>2</sup> (10.2lb/ft <sup>2</sup> ) Standard		35kg/m <sup>2</sup> (7.2lb/ft <sup>2</sup> ) Option	

# SOFTWARE & SERVICE



- Open architecture approach allows us to integrate various content management systems
- 24/7 support hotline
- Stocked parts, service & repair depot in the U.S.
- Preventative maintenance programs
- 24/7 monitoring & on-site support services

# FINE PITCH DISPLAYS

Pixel Pitch	16:9 Ratio Cabinets				Mitered Corners on Cabinets		
	0.95mm	1.27mm	1.587mm	1.905mm	1.875mm	2.5mm	3.0mm
Pixel Density (SQM)	1,102,224	620,000	396,800	275,556	284,444	160,000	111,111
Pixel Density (SQFT)	102,400	57,600	36,864	25,600	26,426	14,865	10,323
Brightness cd/m <sup>2</sup> (NIT)	700	600	700		1,100		
Horizontal Viewing Angle	+70° ~ -70° (140°)						
Vertical Viewing Angle	+70° ~ -70° (140°)						
Color Processing	14 Bit / 16,384 levels [16 Bit / 65,536 levels HDR Option]						
Refresh Rate	3,840 Hz	3,600 Hz			3,840 Hz		
Power (Max)	700W/m <sup>2</sup> (65W/ft <sup>2</sup> )	600W/m <sup>2</sup> (56W/ft <sup>2</sup> )	650W/m <sup>2</sup> (60W/ft <sup>2</sup> )	620W/m <sup>2</sup> (58W/ft <sup>2</sup> )	600W/m <sup>2</sup> (56W/ft <sup>2</sup> )		500W/m <sup>2</sup> (46W/ft <sup>2</sup> )
Power (Avg)	231W/m <sup>2</sup> (21W/ft <sup>2</sup> )	200W/m <sup>2</sup> (19W/ft <sup>2</sup> )	216W/m <sup>2</sup> (20W/ft <sup>2</sup> )	205W/m <sup>2</sup> (19W/ft <sup>2</sup> )	200W/m <sup>2</sup> (19W/ft <sup>2</sup> )		167W/m <sup>2</sup> (16W/ft <sup>2</sup> )
Weight	46kg/m <sup>2</sup> (9.4lb/ft <sup>2</sup> ) Option				26kg/m <sup>2</sup> (5.3lb/ft <sup>2</sup> )		

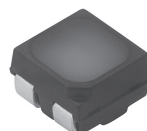
\* All viewing angles are based on viewable area

Indicates Black Package LED

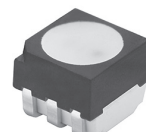


**MITSUBISHI ELECTRIC POWER PRODUCTS, INC.**

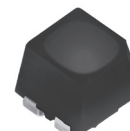
530 Keystone Drive  
Warrendale, PA 15086  
Phone: 724.772.2555  
www.diamond-vision.com



Indoor Black Package



Indoor Black Package



Real Black LED for New Outdoor 4mm

Specifications are subject to change without notice due to continual development.

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