



Seventy Series LED

Mitsubishi Electric has introduced a new LED cube engine that is fully compatible with the existing Seventy Series cube chassis and hardware, offering users an easy upgrade path from conventional to solid-state lighting. LED light sources offer significant advantages in many applications, with the highest contrast ratio and highest light output in the market, displays are more efficient, easier to maintain and more environmentally friendly.

50" 60" 67" LED Options



Brighter display solutions

LED Smart Engine:

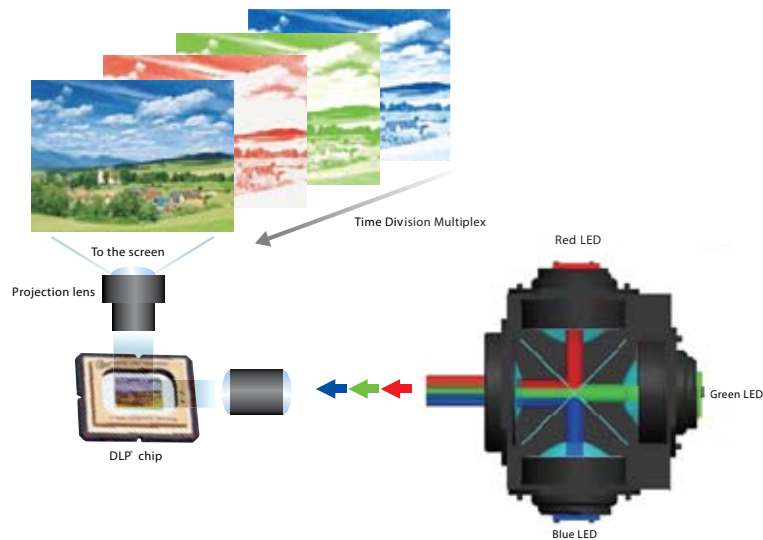


Image panel	DLP™ technology (0.95" DLP™ 1 chip) DarkChip3™, BrilliantColour™
Resolution	1400 x 1050 pixels
Light source	LED (RGB)
Light source average lifetime	60,000hours
Power consumption	(with 1 input board) 270W (typ.) @Bright Mode 210W (typ.) @Normal Mode 170W (typ.) @Eco Mode
Optical specification Light output (typ.)	390ANSI Lumen @Bright Mode 320ANSI Lumen @Normal Mode 250ANSI Lumen @Eco Mode
Throw distance	(Lens unit top - Screen) 50": 743.5 +/- 22.3mm 60": 899.4 +/- 27.0mm 67": 1008.6 +/- 30.3mm
Throw ratio	(Exit pupil - Screen) / Screen width 0.770 (Nominal)
Contrast ratio	1900:1 (typ.)
Brightness uniformity	95% at 90% image height (typ)
Overlay function	Up to 6 windows per each screen
RS-232C	D-Sub 9 pins
LAN	RJ45 x1 (10BASE-T/100BASE-TX)
D-Sub	9 pins x 2 (input, output)
Thermal dissipation	232.2kcal/h (921BTU/h)
Voltage range	AC 100 - 240V +/-10%, 50/ 60Hz +/-1Hz
Operating current	(100/240V) 3.2/1.6 Amp (Inrush current (100/240V) 30/60 Amp)
Mechanical specification	Width 720mm / 28.3" Height 388mm / 15.3" Depth 345mm / 13.6" Weight 32kg / 71lbs

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This product is "Class 2 LED PRODUCT".

50" LED SERIES

Model name	Engine	Cabinet	Screen	Features
50PE	VS-PE70U	S-5070CA	SC-5070U	LED, black stripe screen, rear access
50PEB	VS-PE70U	S-5070CA	SC-5070B	LED, black bead screen, rear access
50PEF	VS-PE70U	S-5070CAF	SC-5070UF	LED, black stripe screen, front access
50PEFB	VS-PE70U	S-5070CAF	SC-5070BF	LED, black bead screen, front access

Image panel	DLP™ technology (0.95" DLP™ 1 chip) DarkChip3™, BrilliantColour™	
Resolution	1400 x 1050 pixels	
Light source	LED (RGB)	
Light source average lifetime	60,000hours	
Power consumption	(with 1 input board) 270W (typ.) @Bright Mode 210W (typ.) @Normal Mode 170W (typ.) @Eco Mode	
Optical specification Light output (typ.)	SC-5070U 550cd/m² @Bright Mode 450cd/m² @Normal Mode 350cd/m² @Eco Mode SC-5070UF 550cd/m² @Bright Mode 450cd/m² @Normal Mode 350cd/m² @Eco Mode	SC-5070B 135 cd/m² @Bright Mode 110 cd/m² @Normal Mode 90cd/m² @Eco Mode SC-5070BF 135 cd/m² @Bright Mode 110 cd/m² @Normal Mode 90cd/m² @Eco Mode

Screen size	50" (1015mm x 761mm)
Contrast ratio	1900:1 (typ.)
Brightness uniformity	95% at 90% image height (typ.)
Thermal dissipation	232.2kcal/h (921BTU/h)
Voltage range	AC 100 – 240V +/-10%, 50/ 60Hz +/-1Hz
Operating current	(100/240V) 3.2/1.6 Amp (Inrush current (100/240V) 30/60 Amp)
Control signal input	RS232C: D-Sub 9pins LAN: RJ45 x 1 D-Sub 9 pins x 2 (input, output) Mitsubishi original control Wire remote: F3.5 Jack, IR Receiver
Input board slot	Input board slot for optional input board x 3
Overlay function	Up to 6 windows per screen
Mullion size	SC-5070U / SC-5070B 0.2mm – 1.0mm(*) SC-5070UF / SC-5070BF 1.0mm – 2.00mm(*)
Mechanical specification	50PE / 50PEB Width 1016mm / 40.0" Height 1015mm / 40.0" Depth 630.4mm / 24.8" Weight 71kg / 156lbs
Mechanical specification	50PEF / 50PEFB Width 1017mm / 40.0" Height 1017mm / 40.0" Depth 716.6mm / 28.2" Weight 78kg / 121lbs

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(*) Depending on configuration and environment

60" LED SERIES

Model name	Unit Model Name			Features
	Engine	Cabinet	Screen	
60PE	VS-PE70U	S-6070CA	SC-6070U	LED, black stripe screen, rear access
60PEB	VS-PE70U	S-6070CA	SC-6070B	LED, black bead screen, rear access
60PEF	VS-PE70U	S-6070CAF	SC-6070UF	LED, black stripe screen, front access
60PEFB	VS-PE70U	S-6070CAF	SC-6070BF	LED, black bead screen, front access

Image panel	DLP™ technology (0.95" DLP™ 1 chip) DarkChip3™, BrilliantColour™		
Resolution	1400 x 1050 pixels		
Light source	LED (RGB)		
Light source average lifetime	60,000hours		
Power consumption	(with 1 input board) 270W (typ.) @Bright Mode 210W (typ.) @Normal Mode 170W (typ.) @Eco Mode		
Optical specification	SC-6070U	SC-6070B	
Light output (typ.)	380cd/m² @Bright Mode 310cd/m² @Normal Mode 240cd/m² @Eco Mode	95cd/m² @Bright Mode 80cd/m² @Normal Mode 60cd/m² @Eco Mode	
	SC-6070UF	SC-6070BF	
	380cd/m² @Bright Mode 310cd/m² @Normal Mode 240cd/m² @Eco Mode	95cd/m² @Bright Mode 80cd/m² @Normal Mode 60cd/m² @Eco Mode	
Screen size	60" (1217.5mm x 912.8mm)		
Contrast ratio	1900:1 (typ.)		
Brightness uniformity	95% at 90% image height (typ.)		
Thermal dissipation	232.2kcal/h (921BTU/h)		
Voltage range	AC 100 – 240V +/-10%, 50/ 60Hz +/-1Hz		
Operating current	(100/240V) 3.2/1.6 Amp (Inrush current (100/240V) 30/60 Amp)		
Control signal input	RS232C: D-Sub 9pins LAN: RJ45 x 1 D-Sub 9 pins x 2 (input, output) Mitsubishi original control Wire remote: F3.5 Jack, IR Receiver		
Input board slot	Input board slot for optional input board x 3		
Overlay function	Up to 6 windows per screen		
Mullion size	SC-6070U / SC-6070B 0.2mm – 1.5mm(*) SC-6070UF / SC-6070BF 1.0mm – 2.5mm(*)		
Mechanical specification	60PE / 60PEB Width 1219mm / 48.0" Height 1195.3mm / 47.0" Depth 725.9mm / 28.6" Weight 90kg / 198lbs		
Mechanical specification	60PEF / 60PEFB Width 1220mm / 48.0" Height 1197.3mm / 47.1" Depth 768.7mm / 30.3" Weight 96kg / 212lbs		

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67" LED SERIES

Model name	Unit Model Name			Features
	Engine	Cabinet	Screen	
67PE	VS-PE70U	S-6770CA	SC-5070U	LED, black stripe screen, rear access
67PEB	VS-PE70U	S-6770CA	SC-5070B	LED, black bead screen, rear access
67PEF	VS-PE70U	S-6770CAF	SC-5070UF	LED, black stripe screen, front access
67PEFB	VS-PE70U	S-6770CAF	SC-5070BF	LED, black bead screen, front access

Image panel	DLP™ technology (0.95" DLP™ 1 chip) DarkChip3™, BrilliantColour™	
Resolution	1400 x 1050 pixels	
Light source	LED (RGB)	
Light source average lifetime	60,000hours	
Power consumption	(with 1 input board) 270W (typ.) @Bright Mode 210W (typ.) @Normal Mode 170W (typ.) @Eco Mode	
Optical specification	SC-6770U	SC-6770B
Light output (typ.)	300cd/m² @Bright Mode 250cd/m² @Normal Mode 200cd/m² @Eco Mode	75cd/m² @Bright Mode 60cd/m² @Normal Mode 50cd/m² @Eco Mode
	SC-6770UF	SC-6770BF
	300cd/m² @Bright Mode 250cd/m² @Normal Mode 200cd/m² @Eco Mode	75cd/m² @Bright Mode 60cd/m² @Normal Mode 50cd/m² @Eco Mode
Screen size	67" (1359mm x 1019.3mm)	
Contrast ratio	1900:1 (typ.)	
Brightness uniformity	95% at 90% image height (typ.)	
Thermal dissipation	232.2kcal/h (921BTU/h)	
Voltage range	AC 100 – 240V +/-10% , 50/ 60Hz +/-1Hz	
Operating current	(100/240V) 3.2/1.6 Amp (Inrush current (100/240V) 30/60 Amp)	
Control signal input	RS232C: D-Sub 9pins LAN: RJ45 x 1 D-Sub 9 pins x 2 (input, output) Mitsubishi original control Wire remote: F3.5 Jack, IR Receiver	
Input board slot	Input board slot for optional input board x 3	
Overlay function	Up to 6 windows per screen	
Mullion size	SC-6770U / SC-6770B 0.2mm – 2.0mm(*) SC-6770UF / SC-6770BF 1.0mm – 3.0mm(*)	
Mechanical specification	67PE / 67PEB Width 1361mm / 53.6" Height 1304.3 / 51.4" Depth 798.7mm / 31.4" Weight 105kg / 231lbs	
Mechanical specification	67PEF / 67PEFB Width 1362mm / 53.6" Height 1306.3 / 51.4" Depth 822.2mm / 32.4" Weight 109kg / 240lbs	

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Sevety Series Options
Remote control unit R-XL50TX
Analog RGB input board VC-B70G2
Digital RGB input board VC-B70D2
Video input board VC-B70V2
Daisy chain board VC-B70DC
SDI input board VC-B70SD1
LED unit S-70LE
Power cord (North America) JC-PC3MA
Power cord (Europe) JC-PC3ME
Power cord (China) JC-PC3MC
Motorized adjustment tool S-A70E
Motor units for screen/mirror S-MA70E



New publication, effective March 2010 Specifications subject to change without notice.

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