

Specification for 18mm Panel

Issued on: 4-Jan-08

Revised on: 10-Mar-10

1. Specs

Technical Terms		Standard	5050 SMD	
Module	Pixel Composition(LED)	1 Red 1 Green 1 Blue		
	Pixel Pitch	18mm		
	Dot array	32px x 32px		
	Total Pixels per Panel	1,024		
	Pixels per Sq. Meter	3,086		
	LEDs per Sq. Meter	9,258		
	Color Total Value	68.7 Billion		
	Grey Scale Total Value	4,096 Levels		
	Brightness(NIT)	≥5,000 NITs	≥4,000 NITs	
	Watt.(Max/Ave.)	930W/m ²	830W/m ²	
Controller/ Driver	Driver type	Static		
	Processing Depth	12 bit		
	Refresh Rate	120 - 800		
	Video Frame Rate	60 - 85		
	Data Interconnection	LAN Line (Cable)		
LED	Grade	Super Intensity		
	LED Type	Oval Shape (4mm x 5mm)		
	Color Temperature	5,000°K - 9,000°K		
	Red Wavelength	620nm - 630nm		
	Green Wavelength	515nm - 530nm		
	Blue Wavelength	465nm - 475nm		
	Viewing Angle (50% Brightness)	110° (Horiz.) / 50°(Vert.)		
	Luminous Intensity	Red:mcd Green:mcd Blue:mcd		
Set	Lifetime (50% Brightness)	≥100,000 hours		
	Panel Input Formats	Proprietary SDI, RGBHV, YUV, TC, Composite		
	Panel size (mm)	22.7"H x 22.7"W x 3.15"D (576mmH x 576mmW x 80mmD)		
	Panel Weight	26.5lbs. (12kg)		
	Panel Material	Epoxy paint coated aluminium		
	Aspect Ratio	1:1		
	Input Voltage & Frequency	AC90 - 260V (50Hz - 60Hz)		
	Input Watt.(Max/Ave.)	260 / 90		
	Viewing Distance	59.0544ft (18m)		
	Operating Temp.	-40°C - +65°C (-40°F - +149°F)		
	Ingress Protection (Front/Rear)	IP65		
	Rigging System	Fast Lock Rig		
	Warranty			



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Specification for 25mm Panel

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Revised on: 10-Mar-10

1. Specs

Technical Terms		Standard	5050 SMD	
Module	Pixel Composition(LED)	1 Red 1 Green 1 Blue		
	Pixel Pitch	25mm		
	Dot array	32px x 32px		
	Total Pixels per Panel	1,024		
	Pixels per Sq. Meter	1,600		
	LEDs per Sq. Meter	4,800		
	Color Total Value	68.7 Billion		
	Grey Scale Total Value	4,096 Levels		
	Brightness(NIT)	≥3,000 NITs	≥2,500 NITs	
	Watt.(Max/Ave.)	480W/m ²	320W/m ²	
Controller/ Driver	Driver type	Static		
	Processing Depth	12 bit		
	Refresh Rate	120 - 800		
	Video Frame Rate	60 - 85		
	Data Interconnection	LAN Line (Cable)		
LED	Grade	Super Intensity		
	LED Type	Oval Shape (4mm x 5mm)		
	Color Temperature	5,000°K - 9,000°K		
	Red Wavelength	620nm - 630nm		
	Green Wavelength	515nm - 530nm		
	Blue Wavelength	465nm - 475nm		
	Viewing Angle (50% Brightness)	110° (Horiz.) / 50°(Vert.)		
	Luminous Intensity	Red:mcd Green:mcd Blue:mcd		
Set	Lifetime (50% Brightness)	≥100,000 hours		
	Panel Input Formats	Proprietary SDI, RGBHV, YUV, TC, Composite		
	Panel size (mm)	23.6"H x 23.6"W x 2"D (600mmH x 600mmW x 50mmD)		
	Panel Weight	44.1lbs. (20kg)		
	Panel Material	Epoxy paint coated aluminium		
	Aspect Ratio	1:1		
	Input Voltage & Frequency	AC90 - 260V (50Hz - 60Hz)		
	Input Watt.(Max/Ave.)	260 / 90		
	Viewing Distance	82.02ft (25m)		
	Operating Temp.	-40°C - +65°C (-40°F - +149°F)		
	Ingress Protection (Front/Rear)	IP65		
	Rigging System	Fast Lock Rig		
	Warranty			



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Specification for 36mm Panel

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1. Specs

Technical Terms		Standard	5050 SMD	
Module	Pixel Composition(LED)	1 Red 1 Green 1 Blue		
	Pixel Pitch	36mm		
	Dot array	16px x 16px		
	Total Pixels per Panel	256		
	Pixels per Sq. Meter	772		
	LEDs per Sq. Meter	3,088		
	Color Total Value	68.7 Billion		
	Grey Scale Total Value	4,096 Levels		
	Brightness(NIT)	≥1,500 NITs	≥1,000 NITs	
	Watt.(Max/Ave.)	230W/m ²	200W/m ²	
Controller/ Driver	Driver type	Static		
	Processing Depth	12 bit		
	Refresh Rate	120 - 800		
	Video Frame Rate	60 - 85		
	Data Interconnection	LAN Line (Cable)		
LED	Grade	Super Intensity		
	LED Type	Oval Shape (4mm x 5mm)		
	Color Temperature	5,000°K - 9,000°K		
	Red Wavelength	620nm - 630nm		
	Green Wavelength	515nm - 530nm		
	Blue Wavelength	465nm - 475nm		
	Viewing Angle (50% Brightness)	110° (Horiz.) / 50°(Vert.)		
	Luminous Intensity	Red:mcd Green:mcd Blue:mcd		
Set	Lifetime (50% Brightness)	≥100,000 hours		
	Panel Input Formats	Proprietary SDI, RGBHV, YUV, TC, Composite		
	Panel size (mm)	22.7"H x 22.7"W x 2"D (576mmH x 576mmW x 40mmD)		
	Panel Weight	33.1lbs. (15kg)		
	Panel Material	Epoxy paint coated aluminium		
	Aspect Ratio	1:1		
	Input Voltage & Frequency	AC90 - 260V (50Hz - 60Hz)		
	Input Watt.(Max/Ave.)	260 / 90		
	Viewing Distance	118.1ft (36m)		
	Operating Temp.	-40°C - +65°C (-40°F - +149°F)		
	Ingress Protection (Front/Rear)	IP65		
	Rigging System	Fast Lock Rig		
	Warranty			