



598 Patterson Blvd., Pleasant Hill, Ca USA

Tel: 800-660-4414 Fax: 925-939-9998 E-mail: info@sunriseled.us

Specification for FX 214

Issued on: 4-Jan-08

Revised on: 10-Oct-08

1. Specs

Technical Terms		Details
Module	Pixel Composition(LED)	1 Blue, 1 Yellow / 1 Red, 1Blue / 1Red, 1 pGreen
	Pixel Pitch	16mm
	Size	240 x 240mm
	Dot array	16 x 16
	Color	Blue / Yellow / White Pink (Red / Blue / Magenta or Red / pGreen / Orange)
	Brightness(NIT)	3,500NITs
	Watt.(Max/Ave.)	20/ 10Watt
Controller/Driver	Driver type	1/8 duty
	Flash Memory	SAMSUNG 16M NAND Flash Memory
	CPU	Samsung S3C44BOX
LED	Grade	Super Intensity
	LED Type	Oval shape (4.0 x 5.0mm)
	Viewing angle	70deg.(Hori.) / 30deg.(Ver.)
	Luminous Intensity	Blue:3000mcd Yellow:4000mcd
	Qty/module	512pcs
Set	Module qty/set	4pcs
	Module array	1line x 4columns
	Display size(mm)	31.5 x 8.5in (800.1 x 215.9mm)
	Total size(case/mm)	34 x 11in (863.6 x 279.4mm)
	Display Weight	10 lbs.
	Input currency	AC 88 ~ 264VAC
	Input Hz	45Hz ~ 65Hz
	Output Voltage	5V
	Watt.(Max/Ave.)	120/60watt
	Viewing Distance	6~150m / 19~492ft
	Operating Temp.	-20°C ~ 50°C / -4 ~ 122 F
	Operation	Infrared remote control
	Casing	70mm Aluminum case with Hard Plastic Corners

2. Features:

- 1.Animation & Special effects are available
- 2.Designed for indoor *semi-outdoor

* LED display can be used outdoor while under a canopy, over hang, awning or any other protective covering.



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Specification for FX 215

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1. Specs

Technical Terms		Details
Module	Pixel Composition(LED)	1 Blue, 1 Yellow / 1 Red, 1Blue / 1Red, 1 pGreen
	Pixel Pitch	16mm
	Size	240 x 240mm
	Dot array	16 x 16
	Color	Blue / Yellow / White Pink (Red / Blue / Magenta or Red / pGreen / Orange)
	Brightness(NIT)	3,500NITs
	Watt.(Max/Ave.)	20/ 10Watt
Controller/Driver	Driver type	1/8 duty
	Flash Memory	SAMSUNG 16M NAND Flash Memory
	CPU	Samsung S3C44BOX
LED	Grade	Super Intensity
	LED Type	Oval shape (4.0 x 5.0mm)
	Viewing angle	70deg.(Hori.) / 30deg.(Ver.)
	Luminous Intensity	Blue:3000mcd Yellow:4000mcd
	Qty/module	512pcs
Set	Module qty/set	5pcs
	Module array	1line x 5columns
	Display size(mm)	40 x 8.5in (1016 x 215.9mm)
	Total size(case/mm)	42 x 11in (1066.8 x 279.4mm)
	Display Weight	13 lbs.
	Input currency	AC 88 ~ 264VAC
	Input Hz	45Hz ~ 65Hz
	Output Voltage	5V
	Watt.(Max/Ave.)	120/60watt
	Viewing Distance	6~150m / 19~492ft
	Operating Temp.	-20°C ~ 50°C / -4 ~ 122 F
	Operation	Infrared remote control
	Casing	70mm Aluminum case with Hard Plastic Corners

2. Features:

- 1.Animation & Special effects are available
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Specification for FX 216

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1. Specs

Technical Terms		Details
Module	Pixel Composition(LED)	1 Blue, 1 Yellow / 1 Red, 1Blue / 1Red, 1 pGreen
	Pixel Pitch	16mm
	Size	240 x 240mm
	Dot array	16 x 16
	Color	Blue / Yellow / White Pink (Red / Blue / Magenta or Red / pGreen / Orange)
	Brightness(NIT)	3,500NITs
	Watt.(Max/Ave.)	20/ 10Watt
Controller/Driver	Driver type	1/8 duty
	Flash Memory	SAMSUNG 16M NAND Flash Memory
	CPU	Samsung S3C44BOX
LED	Grade	Super Intensity
	LED Type	Oval shape (4.0 x 5.0mm)
	Viewing angle	70deg.(Hori.) / 30deg.(Ver.)
	Luminous Intensity	Blue:3000mcd Yellow:4000mcd
	Qty/module	512pcs
Set	Module qty/set	6pcs
	Module array	1line x 6columns
	Display size(mm)	47.5 x 8.5in (1206.5 x 215.9mm)
	Total size(case/mm)	50 x 11in (1270 x 279.4mm)
	Display Weight	16 lbs.
	Input currency	AC 88 ~ 264VAC
	Input Hz	45Hz ~ 65Hz
	Output Voltage	5V
	Watt.(Max/Ave.)	120/60watt
	Viewing Distance	6~150m / 19~492ft
	Operating Temp.	-20°C ~ 50°C / -4 ~ 122 F
	Operation	Infrared remote control
	Casing	70mm Aluminum case with Hard Plastic Corners

2. Features:

- 1.Animation & Special effects are available
- 2.Designed for indoor *semi-outdoor

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Specification for FX 217

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1. Specs

Technical Terms		Details
Module	Pixel Composition(LED)	1 Blue, 1 Yellow / 1 Red, 1Blue / 1Red, 1 pGreen
	Pixel Pitch	16mm
	Size	240 x 240mm
	Dot array	16 x 16
	Color	Blue / Yellow / White Pink (Red / Blue / Magenta or Red / pGreen / Orange)
	Brightness(NIT)	3,500NITs
	Watt.(Max/Ave.)	20/ 10Watt
Controller/Driver	Driver type	1/8 duty
	Flash Memory	SAMSUNG 16M NAND Flash Memory
	CPU	Samsung S3C44BOX
LED	Grade	Super Intensity
	LED Type	Oval shape (4.0 x 5.0mm)
	Viewing angle	70deg.(Hori.) / 30deg.(Ver.)
	Luminous Intensity	Blue:3000mcd Yellow:4000mcd
	Qty/module	512pcs
Set	Module qty/set	7pcs
	Module array	1line x 7columns
	Display size(mm)	55 x 8.5in (1397 x 215.9mm)
	Total size(case/mm)	58 x 11in (1473.2 x 279.4mm)
	Display Weight	19 lbs.
	Input currency	AC 88 ~ 264VAC
	Input Hz	45Hz ~ 65Hz
	Output Voltage	5V
	Watt.(Max/Ave.)	120/60watt
	Viewing Distance	6~150m / 19~492ft
	Operating Temp.	-20°C ~ 50°C / -4 ~ 122 F
	Operation	Infrared remote control
	Casing	70mm Aluminum case with Hard Plastic Corners

2. Features:

- 1.Animation & Special effects are available
- 2.Designed for indoor *semi-outdoor

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1. Specs

Technical Terms		Details
Module	Pixel Composition(LED)	1 Blue, 1 Yellow / 1 Red, 1Blue / 1Red, 1 pGreen
	Pixel Pitch	16mm
	Size	240 x 240mm
	Dot array	16 x 16
	Color	Blue / Yellow / White Pink (Red / Blue / Magenta or Red / pGreen / Orange)
	Brightness(NIT)	3,500NITs
	Watt.(Max/Ave.)	20/ 10Watt
Controller/Driver	Driver type	1/8 duty
	Flash Memory	SAMSUNG 16M NAND Flash Memory
	CPU	Samsung S3C44BOX
LED	Grade	Super Intensity
	LED Type	Oval shape (4.0 x 5.0mm)
	Viewing angle	70deg.(Hori.) / 30deg.(Ver.)
	Luminous Intensity	Blue:3000mcd Yellow:4000mcd
	Qty/module	512pcs
Set	Module qty/set	8pcs
	Module array	1line x 8columns
	Display size(mm)	64 x 8.5in (1625.6 x 215.9mm)
	Total size(case/mm)	68 x 11in (1727.2 x 279.4mm)
	Display Weight	21 lbs.
	Input currency	AC 88 ~ 264VAC
	Input Hz	45Hz ~ 65Hz
	Output Voltage	5V
	Watt.(Max/Ave.)	120/60watt
	Viewing Distance	6~150m / 19~492ft
	Operating Temp.	-20°C ~ 50°C / -4 ~ 122 F
	Operation	Infrared remote control
	Casing	70mm Aluminum case with Hard Plastic Corners

2. Features:

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- 2.Designed for indoor *semi-outdoor

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Specification for FX 224

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1. Specs

Technical Terms		Details
Module	Pixel Composition(LED)	1 Blue, 1 Yellow / 1 Red, 1Blue / 1Red, 1 pGreen
	Pixel Pitch	16mm
	Size	240 x 240mm
	Dot array	16 x 16
	Color	Blue / Yellow / White Pink (Red / Blue / Magenta or Red / pGreen / Orange)
	Brightness(NIT)	3,500NITs
	Watt.(Max/Ave.)	20/ 10Watt
Controller/Driver	Driver type	1/8 duty
	Flash Memory	SAMSUNG 16M NAND Flash Memory
	CPU	Samsung S3C44BOX
LED	Grade	Super Intensity
	LED Type	Oval shape (4.0 x 5.0mm)
	Viewing angle	70deg.(Hori.) / 30deg.(Ver.)
	Luminous Intensity	Blue:3000mcd Yellow:4000mcd
	Qty/module	512pcs
Set	Module qty/set	8pcs
	Module array	2line x 4columns
	Display size(mm)	31.5 x 17in (800.1 x 431.8mm)
	Total size(case/mm)	34 x 20in (863.6 x 508mm)
	Display Weight	20 lbs.
	Input currency	AC 88 ~ 264VAC
	Input Hz	45Hz ~ 65Hz
	Output Voltage	5V
	Watt.(Max/Ave.)	120/60watt
	Viewing Distance	6~150m / 19~492ft
	Operating Temp.	-20°C ~ 50°C / -4 ~ 122 F
	Operation	Infrared remote control
	Casing	70mm Aluminum case70mm Aluminum case with Hard Plastic Corners

2. Features:

- 1.Animation & Special effects are available
- 2.Designed for indoor *semi-outdoor

* LED display can be used outdoor while under a canopy, over hang, awning or any other protective covering.



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Specification for FX 225

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1. Specs

Technical Terms		Details
Module	Pixel Composition(LED)	1 Blue, 1 Yellow / 1 Red, 1Blue / 1Red, 1 pGreen
	Pixel Pitch	16mm
	Size	240 x 240mm
	Dot array	16 x 16
	Color	Blue / Yellow / White Pink (Red / Blue / Magenta or Red / pGreen / Orange)
	Brightness(NIT)	3,500NITs
	Watt.(Max/Ave.)	20/ 10Watt
Controller/Driver	Driver type	1/8 duty
	Flash Memory	SAMSUNG 16M NAND Flash Memory
	CPU	Samsung S3C44BOX
LED	Grade	Super Intensity
	LED Type	Oval shape (4.0 x 5.0mm)
	Viewing angle	70deg.(Hori.) / 30deg.(Ver.)
	Luminous Intensity	Blue:3000mcd Yellow:4000mcd
	Qty/module	512pcs
Set	Module qty/set	10pcs
	Module array	2line x 5columns
	Display size(mm)	40 x 17in (1016 x 431.8mm)
	Total size(case/mm)	42 x 20n (1066.8 x 508mm)
	Display Weight	26 lbs.
	Input currency	AC 88 ~ 264VAC
	Input Hz	45Hz ~ 65Hz
	Output Voltage	5V
	Watt.(Max/Ave.)	120/60watt
	Viewing Distance	6~150m / 19~492ft
	Operating Temp.	-20°C ~ 50°C / -4 ~ 122 F
	Operation	Infrared remote control
	Casing	70mm Aluminum case with Hard Plastic Corners

2. Features:

- 1.Animation & Special effects are available
- 2.Designed for indoor *semi-outdoor

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1. Specs

Technical Terms		Details
Module	Pixel Composition(LED)	1 Blue, 1 Yellow / 1 Red, 1Blue / 1Red, 1 pGreen
	Pixel Pitch	16mm
	Size	240 x 240mm
	Dot array	16 x 16
	Color	Blue / Yellow / White Pink (Red / Blue / Magenta or Red / pGreen / Orange)
	Brightness(NIT)	3,500NITs
	Watt.(Max/Ave.)	20/ 10Watt
Controller/Driver	Driver type	1/8 duty
	Flash Memory	SAMSUNG 16M NAND Flash Memory
	CPU	Samsung S3C44BOX
LED	Grade	Super Intensity
	LED Type	Oval shape (4.0 x 5.0mm)
	Viewing angle	70deg.(Hori.) / 30deg.(Ver.)
	Luminous Intensity	Blue:3000mcd Yellow:4000mcd
	Qty/module	512pcs
Set	Module qty/set	12pcs
	Module array	2line x 6columns
	Display size(mm)	47.5 x 17in (1206.5 x 431.8mm)
	Total size(case/mm)	50 x 20in (1270 x 508mm)
	Display Weight	32 lbs.
	Input currency	AC 88 ~ 264VAC
	Input Hz	45Hz ~ 65Hz
	Output Voltage	5V
	Watt.(Max/Ave.)	120/60watt
	Viewing Distance	6~150m / 19~492ft
	Operating Temp.	-20°C ~ 50°C / -4 ~ 122 F
	Operation	Infrared remote control
	Casing	70mm Aluminum case with Hard Plastic Corners

2. Features:

- 1.Animation & Special effects are available
- 2.Designed for indoor *semi-outdoor

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1. Specs

Technical Terms		Details
Module	Pixel Composition(LED)	1 Blue, 1 Yellow / 1 Red, 1Blue / 1Red, 1 pGreen
	Pixel Pitch	16mm
	Size	240 x 240mm
	Dot array	16 x 16
	Color	Blue / Yellow / White Pink (Red / Blue / Magenta or Red / pGreen / Orange)
	Brightness(NIT)	3,500NITs
	Watt.(Max/Ave.)	20/ 10Watt
Controller/Driver	Driver type	1/8 duty
	Flash Memory	SAMSUNG 16M NAND Flash Memory
	CPU	Samsung S3C44BOX
LED	Grade	Super Intensity
	LED Type	Oval shape (4.0 x 5.0mm)
	Viewing angle	70deg.(Hori.) / 30deg.(Ver.)
	Luminous Intensity	Blue:3000mcd Yellow:4000mcd
	Qty/module	512pcs
Set	Module qty/set	14pcs
	Module array	2line x 7columns
	Display size(mm)	55 x 19.5in (1397 x 495.3mm)
	Total size(case/mm)	58 x 20in (1473.2 x 508mm)
	Display Weight	38 lbs.
	Input currency	AC 88 ~ 264VAC
	Input Hz	45Hz ~ 65Hz
	Output Voltage	5V
	Watt.(Max/Ave.)	120/60watt
	Viewing Distance	6~150m / 19~492ft
	Operating Temp.	-20°C ~ 50°C / -4 ~ 122 F
	Operation	Infrared remote control
	Casing	70mm Aluminum case with Hard Plastic Corners

2. Features:

- 1.Animation & Special effects are available
- 2.Designed for indoor *semi-outdoor

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Specification for FX 228

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1. Specs

Technical Terms		Details
Module	Pixel Composition(LED)	1 Blue, 1 Yellow / 1 Red, 1Blue / 1Red, 1 pGreen
	Pixel Pitch	16mm
	Size	240 x 240mm
	Dot array	16 x 16
	Color	Blue / Yellow / White Pink (Red / Blue / Magenta or Red / pGreen / Orange)
	Brightness(NIT)	3,500NITs
	Watt.(Max/Ave.)	20/ 10Watt
Controller/ Driver	Driver type	1/8 duty
	Flash Memory	SAMSUNG 16M NAND Flash Memory
	CPU	Samsung S3C44BOX
LED	Grade	Super Intensity
	LED Type	Oval shape (4.0 x 5.0mm)
	Viewing angle	70deg.(Hori.) / 30deg.(Ver.)
	Luminous Intensity	Blue:3000mcd Yellow:4000mcd
	Qty/module	512pcs
Set	Module qty/set	16pcs
	Module array	2line x 8columns
	Display size(mm)	64 x 19.5in (1625.6 x 495.3mm)
	Total size(case/mm)	68 x 20in (1727.2 x 508mm)
	Display Weight	42 lbs.
	Input currency	AC 88 ~ 264VAC
	Input Hz	45Hz ~ 65Hz
	Output Voltage	5V
	Watt.(Max/Ave.)	120/60watt
	Viewing Distance	6~150m / 19~492ft
	Operating Temp.	-20°C ~ 50°C / -4 ~ 122 F
	Operation	Infrared remote control
	Casing	70mm Aluminum case with Hard Plastic Corners

2. Features:

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