



598 Patterson Blvd., Pleasant Hill, Ca USA
 Tel: 800-660-4414 Fax: 925-939-9998 E-mail: info@sunriseled.us

Specification for FC 413

Issued on: 4-Jan-08

Revised on: 10-Oct-08

1. Specs

Technical Terms		Details
Module	Pixel Composition(LED)	1 Red, 1 pGreen, 1 Blue
	Pixel Pitch	26mm
	Size	420 x 420mm
	Dot array	16 x 16
	Color	Full Color
	Brightness(NIT)	2,500NITs
	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	90deg.(Hori.) / 30deg.(Ver.)
	Luminous Intensity	Red:1800mcd pGreen:4000mcd Blue:3000mcd
	Qty/module	768pcs
Set	Module qty/set	3pcs
	Module array	1line x 3columns
	Display size(mm)	50 x 16.5in (1270 x419.1mm)
	Total size(case/mm)	53 x 19in (1346.2 x 482.6mm)
	Display Weight	22 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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 Tel: 800-660-4414 Fax: 925-939-9998 E-mail: info@sunriseled.us

Specification for FC 414

Issued on: 4-Nov-08

Revised on: 10-Oct-08

1. Specs

Technical Terms		Details
Module	Pixel Composition(LED)	1 Red, 1 pGreen, 1 Blue
	Pixel Pitch	26mm
	Size	420 x 420mm
	Dot array	16 x 16
	Color	Full Color
	Brightness(NIT)	2,500NITs
	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	90deg.(Hori.) / 30deg.(Ver.)
	Luminous Intensity	Red:1800mcd pGreen:4000mcd Blue:3000mcd
	Qty/module	768pcs
Set	Module qty/set	4pcs
	Module array	1row x 4columns
	Display size(mm)	67 x 16.5in (1701.8 x419.1mm)
	Total size(case/mm)	70 x 19in (1778 x 482.6mm)
	Display Weight	25 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

* Ask for weatherizing



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Specification for FC 415

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Revised on: 10-Oct-08

1. Specs

Technical Terms		Details
Module	Pixel Composition(LED)	1 Red, 1 pGreen, 1 Blue
	Pixel Pitch	26mm
	Size	420 x 420mm
	Dot array	16 x 16
	Color	Full Color
	Brightness(NIT)	2,500NITs
	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	90deg.(Hori.) / 30deg.(Ver.)
	Luminous Intensity	Red:1800mcd pGreen:4000mcd Blue:3000mcd
	Qty/module	768pcs
Set	Module qty/set	5pcs
	Module array	1line x 5columns
	Display size(mm)	84 x 16.5in (2133.6 x419.1mm)
	Total size(case/mm)	87 x 19in (2209.8 x 482.6mm)
	Display Weight	28 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 / SunNet software
	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.

Specification for FC 416

Issued on: 4-Jan-08

Revised on: 10-Oct-08

1. Specs

Technical Terms		Details
Module	Pixel Composition(LED)	1 Red, 1 pGreen, 1 Blue
	Pixel Pitch	26mm
	Size	420 x 420mm
	Dot array	16 x 16
	Color	Full Color
	Brightness(NIT)	2,500NITs
	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	90deg.(Hori.) / 30deg.(Ver.)
	Luminous Intensity	Red:1800mcd pGreen:4000mcd Blue:3000mcd
	Qty/module	768pcs
Set	Module qty/set	6pcs
	Module array	1line x 6columns
	Display size(mm)	100 x 16.5in (2540 x419.1mm)
	Total size(case/mm)	103 x 19in (2616.2 x 482.6mm)
	Display Weight	31 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 / SunNet software
	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.

Specification for FC 417

Issued on: 4-Jan-08

Revised on: 10-Oct-08

1. Specs

Technical Terms		Details
Module	Pixel Composition(LED)	1 Red, 1 pGreen, 1 Blue
	Pixel Pitch	26mm
	Size	420 x 420mm
	Dot array	16 x 16
	Color	Full Color
	Brightness(NIT)	2,500NITs
	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	90deg.(Hori.) / 30deg.(Ver.)
	Luminous Intensity	Red:1800mcd pGreen:4000mcd Blue:3000mcd
	Qty/module	768pcs
Set	Module qty/set	7pcs
	Module array	1line x 7columns
	Display size(mm)	117 x 16.5in (2971.8 x419.1mm)
	Total size(case/mm)	120 x 19in (3048 x 482.6mm)
	Display Weight	34 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 / SunNet software
	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.

Specification for FC 418

Issued on: 4-Jan-08

Revised on: 10-Oct-08

1. Specs

Technical Terms		Details
Module	Pixel Composition(LED)	1 Red, 1 pGreen, 1 Blue
	Pixel Pitch	26mm
	Size	420 x 420mm
	Dot array	16 x 16
	Color	Full Color
	Brightness(NIT)	2,500NITs
	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	90deg.(Hori.) / 30deg.(Ver.)
	Luminous Intensity	Red:1800mcd pGreen:4000mcd Blue:3000mcd
	Qty/module	768pcs
Set	Module qty/set	8pcs
	Module array	1line x 8columns
	Display size(mm)	134 x 16.5in (3403.6 x419.1mm)
	Total size(case/mm)	137 x 19in (3479.8 x 482.6mm)
	Display Weight	37 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 / SunNet software
	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 FC 424

Issued on: 4-Nov-08

Revised on: 10-Oct-08

1. Specs

Technical Terms		Details
Module	Pixel Composition(LED)	1 Red, 1 pGreen, 1 Blue
	Pixel Pitch	26mm
	Size	420 x 420mm
	Dot array	16 x 16
	Color	Full Color
	Brightness(NIT)	2,500NITs
	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	90deg.(Hori.) / 30deg.(Ver.)
	Luminous Intensity	Red:1800mcd pGreen:4000mcd Blue:3000mcd
	Qty/module	768pcs
Set	Module qty/set	8pcs
	Module array	2row x 4columns
	Display size(mm)	67 x 33in (1701.8 x 838.2mm)
	Total size(case/mm)	70 x 36in (1778 x 914.4mm)
	Display Weight	50 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 / SunNet software
	Casing	70mm Aluminum case with Hard Plastic corners

2. Features:

1.Animation & Special effects are available

2.Designed for indoor *semi-outdoor

* Ask for weatherizing



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Specification for FC 425

Issued on: 4-Jan-08

Revised on: 10-Oct-08

1. Specs

Technical Terms		Details
Module	Pixel Composition(LED)	1 Red, 1 pGreen, 1 Blue
	Pixel Pitch	26mm
	Size	420 x 420mm
	Dot array	16 x 16
	Color	Full Color
	Brightness(NIT)	2,500NITs
	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	90deg.(Hori.) / 30deg.(Ver.)
	Luminous Intensity	Red:1800mcd pGreen:4000mcd Blue:3000mcd
	Qty/module	768pcs
Set	Module qty/set	10pcs
	Module array	2line x 5columns
	Display size(mm)	84 x 33in (2133.6 x 838.2mm)
	Total size(case/mm)	87 x 36in (2209.8 x 914.4mm)
	Display Weight	56 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 / SunNet software
	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 FC 426

Issued on: 4-Jan-08

Revised on: 10-Oct-08

1. Specs

Technical Terms		Details
Module	Pixel Composition(LED)	1 Red, 1 pGreen, 1 Blue
	Pixel Pitch	26mm
	Size	420 x 420mm
	Dot array	16 x 16
	Color	Full Color
	Brightness(NIT)	2,500NITs
	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	90deg.(Hori.) / 30deg.(Ver.)
	Luminous Intensity	Red:1800mcd pGreen:4000mcd Blue:3000mcd
	Qty/module	768pcs
Set	Module qty/set	12pcs
	Module array	2line x 6columns
	Display size(mm)	100 x 33in (2540 x 838.2mm)
	Total size(case/mm)	103 x 36in (2616.2 x 914.4mm)
	Display Weight	62 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 / SunNet software
	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 FC 427

Issued on: 4-Jan-08

Revised on: 10-Oct-08

1. Specs

Technical Terms		Details
Module	Pixel Composition(LED)	1 Red, 1 pGreen, 1 Blue
	Pixel Pitch	26mm
	Size	420 x 420mm
	Dot array	16 x 16
	Color	Full Color
	Brightness(NIT)	2,500NITs
	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	90deg.(Hori.) / 30deg.(Ver.)
	Luminous Intensity	Red:1800mcd pGreen:4000mcd Blue:3000mcd
	Qty/module	768pcs
Set	Module qty/set	14pcs
	Module array	2line x 7columns
	Display size(mm)	117 x 33in (2971.8 x 838.2mm)
	Total size(case/mm)	120 x 36in (3048 x 914.4mm)
	Display Weight	68 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 / SunNet software
	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.

Specification for FC 428

Issued on: 4-Jan-08

Revised on: 10-Oct-08

1. Specs

Technical Terms		Details
Module	Pixel Composition(LED)	1 Red, 1 pGreen, 1 Blue
	Pixel Pitch	26mm
	Size	420 x 420mm
	Dot array	16 x 16
	Color	Full Color
	Brightness(NIT)	2,500NITs
	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	90deg.(Hori.) / 30deg.(Ver.)
	Luminous Intensity	Red:1800mcd pGreen:4000mcd Blue:3000mcd
	Qty/module	768pcs
Set	Module qty/set	16pcs
	Module array	2line x 8columns
	Display size(mm)	134 x 33in (3403.6 x 838.2mm)
	Total size(case/mm)	137 x 36in (3479.8 x 914.4mm)
	Display Weight	74 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 / SunNet software
	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.