

## Specification for FS 413

Issued on: 10-May-10

Revised on: 10-May-10

### 1. Specs

Technical Terms		Details
<b>Module</b>	Pixel Composition(LED)	1 Red / 1 Green / 1 Amber
	Pixel Pitch	26mm
	Size	420 x 420mm
	Dot array	16 x 16
	Color	Red / Green / Amber (256 Shades)
	Brightness(NIT)	2,500NITs
	Watt.(Max/Ave.)	20/ 10Watt
<b>Controller/ Driver</b>	Driver type	1/8 duty
	Flash Memory	SAMSUNG 16M NAND Flash Memory
	CPU	Samsung S3C44BOX
<b>LED</b>	Grade	Super Intensity
	LED Type	Oval shape (4.0 x 5.0mm)
	Viewing angle	90deg.(Hori.) / 30deg.(Ver.)
	Luminous Intensity	Red:1800mcd   Green:4000mcd   Amber:2000mcd
	Qty/module	512pcs
<b>Set</b>	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.

## Specification for FS 414

Issued on: 10-May-10

Revised on: 10-May-10

### 1. Specs

Technical Terms		Details
<b>Module</b>	Pixel Composition(LED)	1 Red / 1 Green / 1 Amber
	Pixel Pitch	26mm
	Size	420 x 420mm
	Dot array	16 x 16
	Color	Red / Green / Amber (256 Shades)
	Brightness(NIT)	2,500NITs
	Watt.(Max/Ave.)	20/ 10Watt
<b>Controller/ Driver</b>	Driver type	1/8 duty
	Flash Memory	SAMSUNG 16M NAND Flash Memory
	CPU	Samsung S3C44BOX
<b>LED</b>	Grade	Super Intensity
	LED Type	Oval shape (4.0 x 5.0mm)
	Viewing angle	90deg.(Hori.) / 30deg.(Ver.)
	Luminous Intensity	Red:1800mcd   Green:4000mcd   Amber:2000mcd
	Qty/module	512pcs
<b>Set</b>	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 &amp; Special effects are available

2.Designed for indoor \*semi-outdoor

\* Ask for weatherizing

## Specification for FS 415

Issued on: 10-May-10

Revised on: 10-May-10

### 1. Specs

Technical Terms		Details
<b>Module</b>	Pixel Composition(LED)	1 Red / 1 Green / 1 Amber
	Pixel Pitch	26mm
	Size	420 x 420mm
	Dot array	16 x 16
	Color	Red / Green / Amber (256 Shades)
	Brightness(NIT)	2,500NITs
	Watt.(Max/Ave.)	20/ 10Watt
<b>Controller/ Driver</b>	Driver type	1/8 duty
	Flash Memory	SAMSUNG 16M NAND Flash Memory
	CPU	Samsung S3C44BOX
<b>LED</b>	Grade	Super Intensity
	LED Type	Oval shape (4.0 x 5.0mm)
	Viewing angle	90deg.(Hori.) / 30deg.(Ver.)
	Luminous Intensity	Red:1800mcd   Green:4000mcd   Amber:2000mcd
	Qty/module	512pcs
<b>Set</b>	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 Pro Software Optional)
	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 FS 416

Issued on: 10-May-10

Revised on: 10-May-10

### 1. Specs

Technical Terms		Details
<b>Module</b>	Pixel Composition(LED)	1 Red / 1 Green / 1 Amber
	Pixel Pitch	26mm
	Size	420 x 420mm
	Dot array	16 x 16
	Color	Red / Green / Amber (256 Shades)
	Brightness(NIT)	2,500NITs
	Watt.(Max/Ave.)	20/ 10Watt
<b>Controller/ Driver</b>	Driver type	1/8 duty
	Flash Memory	SAMSUNG 16M NAND Flash Memory
	CPU	Samsung S3C44BOX
<b>LED</b>	Grade	Super Intensity
	LED Type	Oval shape (4.0 x 5.0mm)
	Viewing angle	90deg.(Hori.) / 30deg.(Ver.)
	Luminous Intensity	Red:1800mcd   Green:4000mcd   Amber:2000mcd
	Qty/module	512pcs
<b>Set</b>	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 Pro Software Optional)
	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 FS 417

Issued on: 10-May-10

Revised on: 10-May-10

### 1. Specs

Technical Terms		Details
<b>Module</b>	Pixel Composition(LED)	1 Red / 1 Green / 1 Amber
	Pixel Pitch	26mm
	Size	420 x 420mm
	Dot array	16 x 16
	Color	Red / Green / Amber (256 Shades)
	Brightness(NIT)	2,500NITs
	Watt.(Max/Ave.)	20/ 10Watt
<b>Controller/ Driver</b>	Driver type	1/8 duty
	Flash Memory	SAMSUNG 16M NAND Flash Memory
	CPU	Samsung S3C44BOX
<b>LED</b>	Grade	Super Intensity
	LED Type	Oval shape (4.0 x 5.0mm)
	Viewing angle	90deg.(Hori.) / 30deg.(Ver.)
	Luminous Intensity	Red:1800mcd   Green:4000mcd   Amber:2000mcd
	Qty/module	512pcs
<b>Set</b>	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 Pro Software Optional)
	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 FS 418

Issued on: 10-May-10

Revised on: 10-May-10

### 1. Specs

Technical Terms		Details
<b>Module</b>	Pixel Composition(LED)	1 Red / 1 Green / 1 Amber
	Pixel Pitch	26mm
	Size	420 x 420mm
	Dot array	16 x 16
	Color	Red / Green / Amber (256 Shades)
	Brightness(NIT)	2,500NITs
	Watt.(Max/Ave.)	20/ 10Watt
<b>Controller/ Driver</b>	Driver type	1/8 duty
	Flash Memory	SAMSUNG 16M NAND Flash Memory
	CPU	Samsung S3C44BOX
<b>LED</b>	Grade	Super Intensity
	LED Type	Oval shape (4.0 x 5.0mm)
	Viewing angle	90deg.(Hori.) / 30deg.(Ver.)
	Luminous Intensity	Red:1800mcd   Green:4000mcd   Amber:2000mcd
	Qty/module	512pcs
<b>Set</b>	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 Pro Software Optional)
	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 FS 424

Issued on: 10-May-10

Revised on: 10-May-10

### 1. Specs

Technical Terms		Details
<b>Module</b>	Pixel Composition(LED)	1 Red / 1 Green / 1 Amber
	Pixel Pitch	26mm
	Size	420 x 420mm
	Dot array	16 x 16
	Color	Red / Green / Amber (256 Shades)
	Brightness(NIT)	2,500NITs
	Watt.(Max/Ave.)	20/ 10Watt
<b>Controller/ Driver</b>	Driver type	1/8 duty
	Flash Memory	SAMSUNG 16M NAND Flash Memory
	CPU	Samsung S3C44BOX
<b>LED</b>	Grade	Super Intensity
	LED Type	Oval shape (4.0 x 5.0mm)
	Viewing angle	90deg.(Hori.) / 30deg.(Ver.)
	Luminous Intensity	Red:1800mcd   Green:4000mcd   Amber:2000mcd
	Qty/module	512pcs
<b>Set</b>	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	SunNet Pro Software
	Casing	100mm Aluminum case or steel case with black satin finish

### 2. Features:

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

\* Ask for weatherizing

## Specification for FS 425

Issued on: 10-May-10

Revised on: 10-May-10

### 1. Specs

Technical Terms		Details
<b>Module</b>	Pixel Composition(LED)	1 Red / 1 Green / 1 Amber
	Pixel Pitch	26mm
	Size	420 x 420mm
	Dot array	16 x 16
	Color	Red / Green / Amber (256 Shades)
	Brightness(NIT)	2,500NITs
	Watt.(Max/Ave.)	20/ 10Watt
<b>Controller/ Driver</b>	Driver type	1/8 duty
	Flash Memory	SAMSUNG 16M NAND Flash Memory
	CPU	Samsung S3C44BOX
<b>LED</b>	Grade	Super Intensity
	LED Type	Oval shape (4.0 x 5.0mm)
	Viewing angle	90deg.(Hori.) / 30deg.(Ver.)
	Luminous Intensity	Red:1800mcd   Green:4000mcd   Amber:2000mcd
	Qty/module	512pcs
<b>Set</b>	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	SunNet Pro 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 FS 426

Issued on: 10-May-10

Revised on: 10-May-10

### 1. Specs

Technical Terms		Details
<b>Module</b>	Pixel Composition(LED)	1 Red / 1 Green / 1 Amber
	Pixel Pitch	26mm
	Size	420 x 420mm
	Dot array	16 x 16
	Color	Red / Green / Amber (256 Shades)
	Brightness(NIT)	2,500NITs
	Watt.(Max/Ave.)	20/ 10Watt
<b>Controller/Driver</b>	Driver type	1/8 duty
	Flash Memory	SAMSUNG 16M NAND Flash Memory
	CPU	Samsung S3C44BOX
<b>LED</b>	Grade	Super Intensity
	LED Type	Oval shape (4.0 x 5.0mm)
	Viewing angle	90deg.(Hori.) / 30deg.(Ver.)
	Luminous Intensity	Red:1800mcd   Green:4000mcd   Amber:2000mcd
	Qty/module	512pcs
<b>Set</b>	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	SunNet Pro 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 FS 427

Issued on: 10-May-10

Revised on: 10-May-10

### 1. Specs

Technical Terms		Details
<b>Module</b>	Pixel Composition(LED)	1 Red / 1 Green / 1 Amber
	Pixel Pitch	26mm
	Size	420 x 420mm
	Dot array	16 x 16
	Color	Red / Green / Amber (256 Shades)
	Brightness(NIT)	2,500NITs
	Watt.(Max/Ave.)	20/ 10Watt
<b>Controller/ Driver</b>	Driver type	1/8 duty
	Flash Memory	SAMSUNG 16M NAND Flash Memory
	CPU	Samsung S3C44BOX
<b>LED</b>	Grade	Super Intensity
	LED Type	Oval shape (4.0 x 5.0mm)
	Viewing angle	90deg.(Hori.) / 30deg.(Ver.)
	Luminous Intensity	Red:1800mcd   Green:4000mcd   Amber:2000mcd
	Qty/module	512pcs
<b>Set</b>	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	SunNet Pro 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 FS 428

Issued on: 10-May-10

Revised on: 10-May-10

### 1. Specs

Technical Terms		Details
<b>Module</b>	Pixel Composition(LED)	1 Red / 1 Green / 1 Amber
	Pixel Pitch	26mm
	Size	420 x 420mm
	Dot array	16 x 16
	Color	Red / Green / Amber (256 Shades)
	Brightness(NIT)	2,500NITs
	Watt.(Max/Ave.)	20/ 10Watt
<b>Controller/ Driver</b>	Driver type	1/8 duty
	Flash Memory	SAMSUNG 16M NAND Flash Memory
	CPU	Samsung S3C44BOX
<b>LED</b>	Grade	Super Intensity
	LED Type	Oval shape (4.0 x 5.0mm)
	Viewing angle	90deg.(Hori.) / 30deg.(Ver.)
	Luminous Intensity	Red:1800mcd   Green:4000mcd   Amber:2000mcd
	Qty/module	512pcs
<b>Set</b>	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	SunNet Pro 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.