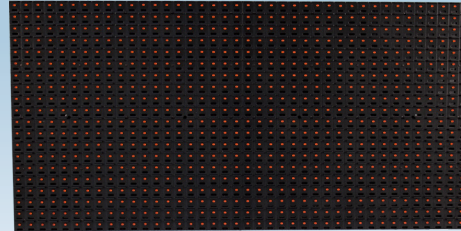


SOLO SYSTEM

MODULAR LED SIGN SYSTEM

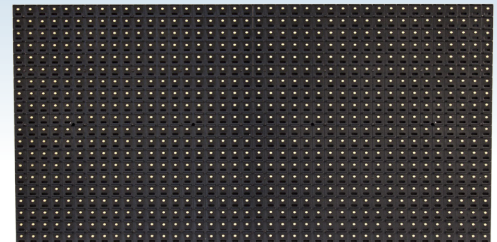


- Outdoor / water-proof design
- Monochrome LED panels
- Built-in power supply
- Frames and panels mate-and-lock with each other allowing for unlimited rectangular configurations of 12" x 24"
- 15mm Pixel Pitch
- Web-based control interface
- High efficiency - Low power consumption
- 5 year warranty



Solo FIRE Front

Solo ICE Front



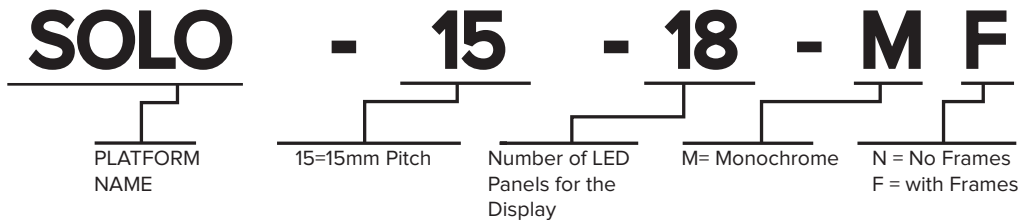
Modularity: The frame of the one-by-two feet Solo System Panels contains a hex head bolt- interlocking system that can be configured into any size or shape quickly and easily. These off-the-shelf panels are safety approved for use around the globe and stocked for **same-day shipment!**

Status & Control: Our "Cloud" interface allows you to create, edit, and schedule content from any internet connected device (including smart phones & tablets). Add dynamic content such as weather, sports scores, financial data, or social media feeds. Upload photos and video to our full-featured editor to add vitality to your display.

No Software Updates: Our cloud-based system is perpetually improved, with new features being added all the time. Manage an unlimited number of displays from a single account.

PRODUCT DIMENSIONS (with frame attached)	
Width	24"
Height	12"
Depth	4-1/4"
Weight	10.95 lbs.
Weight (Panel only)	9.00 lbs.

SYSTEM LEVEL CONFIGURATION RULES



Specifications	Solo-15.25W-F1	Solo-15.25R-F1
Color	White	Red
Resolution (Pitch)	15.25mm	15.25mm
Brightness (NITs)	6,500	6,000
Module Matrix	20 x 40	20 x 40
Max Watts Per Panel	16.4W	19.5W
Viewing Angle	160° Horizontal / 90° Vertical	
Refresh Rate	30 frames per second	
AC Input	Universal AC Input (90-264VAC Input Range)	
Display LifeSpan	100,000 hours	
Approvals	UL 48 - Edition 15, UL 8750 - Edition 1 - Revision Date 2011/11/01	

One Controller per Display is required, model # Solo-Controller-1. A pair of wire harnesses are physically attached to each LED Panel to connect the panels to each other and the controller. One aluminum frame per LED module is included with each panel and physically installed to the module during shipment, spares may be ordered using model # Solo-Frame-1. Customers may fabricate their own frame(s) using a mounting template provided by Cirrus. Please browse our website for detailed specifications and installation instructions.

Solo Controller

FOR USE WITH SOLO MODULAR LED SIGN SYSTEMS



- One Controller is required for each Solo Display Install
- Capable of supporting a single-sided or dual sided-sign
- Must be placed within reach of the input cable affixed to the first LED Panel to be connected into the Solo System
- Compatible with all Solo 15mm Pixel Pitch modules
- Web-based control interface
- High Efficiency - Low Power Consumption
- 5 year warranty
- Can be connected to the internet via Wi-fi or RJ45 connection (standard Ethernet connector)

The controller has four mounting tabs that align with the four mounting holes that can be found on the rear of each panel .

Should remain protected from direct sunlight to avoid heat related issues and extend the life of the controller.

These are safety approved for use around the globe and stocked for same-day shipment!

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Solo Controller



Power Cable

PRODUCT DIMENSIONS	
Width (with mounting tabs)	10-1/2"
Width (without mounting tabs)	12-1/4"
Height (includes clearance for input and Ethernet cables)	11-1/2"
Depth	2-3/4"
Weight	7.2 lbs.

LED PANEL	Solo-15.25W-F1	Solo-15.25R-F1
Color	White	Red
Resolution (Pitch)	15.25mm	15.25mm
Watts Per Panel	16.4W	19.5W

$$\left(\frac{\text{# of LED Panels}}{\text{# of LED Panels}} \times \frac{\text{Watts per Panel}}{\text{Watts per Panel}} + \frac{100}{\text{Controller Watts}} \right) \div \frac{\text{Controller Watts}}{\text{90 or 180 VAC}} \times \frac{2}{\text{Factor}} = \frac{\text{Circuit Breaker Rating}}{\text{Circuit Breaker Rating}}$$

Example for 10 Solo Ice panels:

$$10 \text{ (Panels)} \times 16.4 \text{ (Watts per Panel)} + 100 = 264 \text{ Watts.}$$

If connecting to 110 VAC: Divide the max wattage by the lowest AC Voltage on a 110 VAC line which is typically 90 VAC:

$$264 \text{ Watts} \div 90 \text{ VAC (Controller Watts)} \times 2 \text{ (Factor)} = 5.87 \text{ Amps (Circuit Breaker Rating)*}$$

If connecting to 220 VAC: Divide the max wattage by the lowest AC Voltage on a 220 VAC line which is typically 180 VAC:

$$264 \text{ Watts} \div 180 \text{ VAC (Controller Watts)} \times 2 \text{ (Factor)} = 2.93 \text{ Amps (Circuit Breaker Rating)*}$$

*Rounded to the closest value