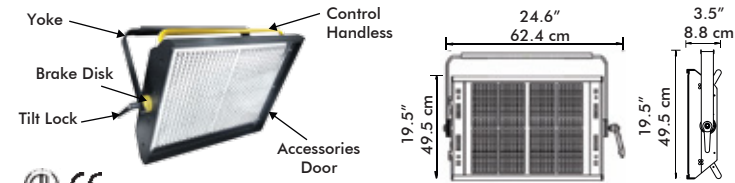


# StudioLED 650<sup>®</sup> HP

High-Performance DMX StudioLED PANEL<sup>®</sup>

## Specs & Performance: Tunable



**Tunable Model StudioLED 650<sup>®</sup> HP**  
Code: G6LED203  
CCT: 2700K-6200K  
CRI: +97  
Weight: 8.1 kg (17.85 lb)

**Daylight Model StudioLED 650<sup>®</sup> HP**  
Code: G6LED209  
CCT: 5600K  
CRI: +90  
Weight: 8.1 kg (17.85 lb)

**Tungsten Model StudioLED 650<sup>®</sup> HP**  
Code: G6LED206  
CCT: 3200K  
CRI: +90  
Weight: 8.1 kg (17.85 lb)

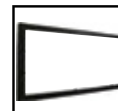
## Fuses & Power Consumption

**Note** - Most electrical equipment briefly consumes a higher amount of electrical current during startup (ignition). Consult the chart below to confirm that your electrical wiring is sufficient for the fixtures used. All fuses must be rated at 250VAC. StudioLED PANELS<sup>®</sup> HP auto-set from 90-240 VAC.

MODEL	WEIGHT	FUSE	110V		240V	
			NOMINAL CURRENT	PEAK CURRENT	NOMINAL CURRENT	PEAK CURRENT
StudioLED 650 <sup>®</sup> HP Tunable	8.1 kg (17.85 lb)	5 A	0.714 A	0.97 A	0.403 A	0.61 A

El StudioLED PANEL 650<sup>®</sup> HP consumes 110 Watts.

## Each fixture comes with:



Filterholder  
G6LED031



AC cord with POWERCON  
Conector 16 ft (4.82 m)  
G6CNT154



Stand Fitting 5/8"  
G6FLT057



Safety Cable  
G6FLT059



C-Clamp  
G6FLT262

## Mounting the Fixture

### On Grid:

Attach clamp tightly to yoke of fixture, according to clamp mfrs. instructions. Hang clamp on pipe or grid and tighten the large screw so that the clamp and fixture are securely mounted. Do not loosen bolt attaching clamp to fixture, to position light. Attach safety cable between the fixture and the rail for necessary security.

### On Stand:

Using the 5/8" female (not included) stand fitting. Choose proper size stand for fixture. Always use sufficient stabilizing weight on stand base.

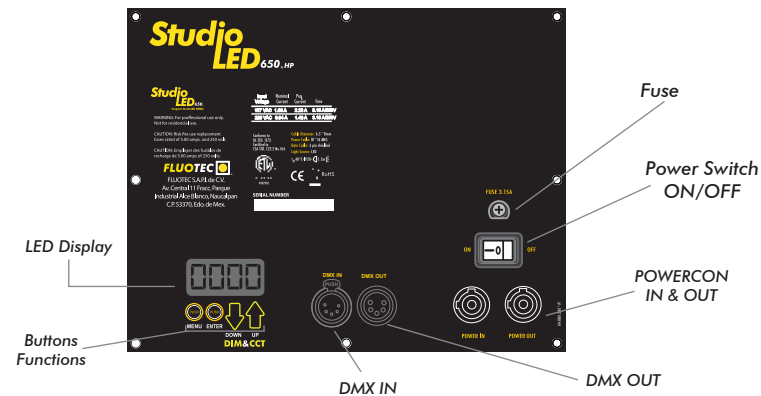
Allows mounting the fixture on 5/8" (not included) male stand stud. Make sure the stand is large enough to support the weight of the fixture while maintaining good balance at the desired height. Attach the female stand-fitting tightly to the yoke and rotate yoke so it is on the underside of the fixture.

Tighten yoke, clamp locking lever, and place female stand-fitting over stand, making sure that its locking screw is loosened enough to allow the fitting to completely fit over the 5/8" stand stud. Tighten knob, making sure its screw is under the safety cut of the stand fitting stud. Add additional weight to base of stand for increased stability.

## Manual & DMX Operation

### Controlling StudioLED PANEL<sup>®</sup> HP

The StudioLED 650<sup>®</sup> HP are dimmable model, which can be es regulable, controlled either manually on the fixture or remotely via a console with DMX-512 protocol. To operate the Control Panel, first familiarize yourself with the placement and functions of the controls.



## Rear Panel Connections & Functions

### Power In

This IEC connector accepts the AC cable. The fixture will auto-set itself from 90-240 VAC. Use the proper cable for the country of use.

### AC Power Switch

Turning on the AC Power switch causes the fixture to light at whatever dimming level it was at when last powered down (factory shipped at 100%). The unit will retain its previous dimming level even if unplugged.

### Fuse

Always power down & unplug the fixture before changing its fuse. Open the fuse holder with a phillips head screwdriver to replace the fuse. StudioLED 650 uses fuses rated at 5 Amps and 250 Volts.

### DMX In/Out Connectors

There are two 5 pin XLR style DMX connectors, labeled IN and OUT. In a DMX chain, remember that the last fixture in the chain needs a DMX Terminator plugged into its DMX Out connector.

### LED Window & Function Buttons

The LED window shows the status of choices made with the function buttons beneath it.

**MENU** Repeated pressing of the MENU Key scrolls the unit thru its sub-menu list (DIMM, RUN, DMX, SET).

**ENTER** To select a menu or to confirm the values selected.

**UP Button** To increase a value, 1 step at a time, or scroll up thru a sub-menu.

**DOWN Button** To decrease a value, 1 step at a time, or scroll down thru a sub-menu.

## Manual Dimming 0% to 100%

StudioLED PANELS<sup>®</sup> HP fixtures can be dimmed manually on the rear of the unit, or by DMX console. To manually dim the light to a desired level, press the MENU button until you see DIMM, then Press ENTER. Use the Up & Down buttons to set dimming level from 1-100. Powering the fixture down keeps its dimming level set, so it will return to that level the next time it is turned on.

# StudioLED 650<sup>®</sup> HP

High-Performance DMX StudioLED PANEL<sup>®</sup>

## StudioLED 650<sup>®</sup> HP Tunable - Operation

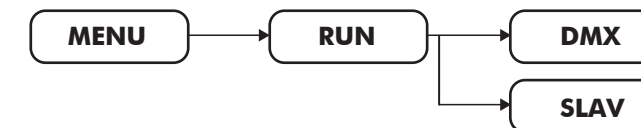


DMX-512 protocol allows you to assign one of 512 possible control addresses to the fixture. Multiple fixtures must be connected to each other, daisy chain style, using DMX cables, with the DMX OUT on the console connected to the first fixture's DMX IN connector. The DMX OUT connector of the 1st fixture is then connected to the DMX IN connector of the second fixture, and so on, until all fixtures are connected. The last fixture needs a DMX Terminator plugged into its DMX OUT connector.

When the fixture is receiving a valid DMX signal, a blinking red dot is visible in the lower right corner of LED Window.

To ADDRESS a fixture, scroll the MENU list to DMX, and hit ENTER. Next, scroll to the DMX address number you want for the fixture. Pressing ENTER again and hitting MENU sets fixture to that address and enables DMX dimming. After addressing the whole chain, fixtures may be controlled alone or in a group, from the DMX console. Manual dimming on each unit is inoperative during DMX operation.

## "SLAVE" Mode fixtures without a console



Multiple fixtures, connected with DMX cables as described above, can all be controlled as one by using the Slave function. This means they will all dim up or down together, controlled by the first fixture in the chain (not by a DMX console). On the first fixture in the chain, in MENU, select RUN and hit ENTER. Using the up/down buttons shows 2 choices, DMX and SLAV. Select DMX for the first fixture in the chain and SLAV for the rest.

## "SET" Function

### Locking / Unlocking User Control

This tamper proof security ability allows the user to disable the function buttons, locking out the fixture from manual control. It can be restored by use of a keycode password.

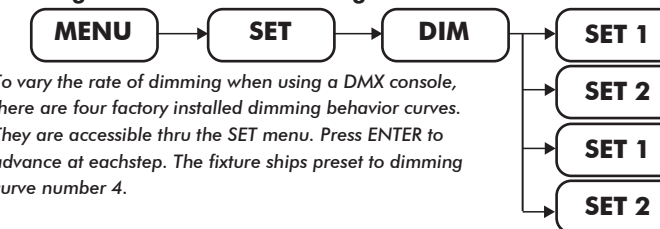


### Accessing Stored Alternate Dimming Curves

**To Lock (Disable Use):** Choose ON, and press ENTER. LED display window will show only a single red dot. NOTE: Lock takes approx. 10 seconds to engage.

**To Unlock (Enable Use):** Press these buttons in the following order: MENU + UP + DOWN + UP + DOWN + ENTER. Then press: MENU + SET + KEY + OFF + ENTER.

### Accessing Stored Alternate Dimming Curves

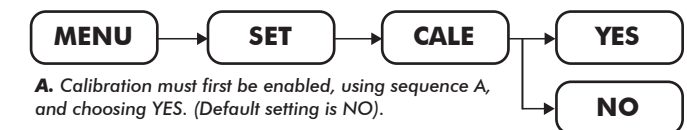


To vary the rate of dimming when using a DMX console, there are four factory installed dimming behavior curves. They are accessible thru the SET menu. Press ENTER to advance at each step. The fixture ships preset to dimming curve number 4.

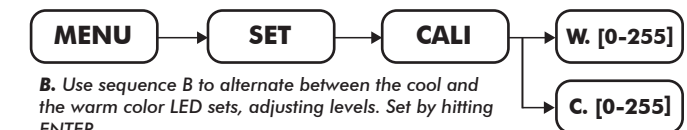
Choosing SET allows access to functions that most users will not ever need access to. They include locking access to fixture controls, using stored alternate dimming curves, mfrs calibration settings, as well as restoring the fixture to all of its original (pre-calibration) settings. Always hit ENTER to advance thru the Menu choices. IMPORTANT - If you accidentally wander in any of the SET sub-menu's, hit MENU button to return to the main Menu.

## Enabling / Adjusting Factory Calibration

It is not recommended to make adjustments to the Calibration settings. They are used by the factory to calibrate the fixture to established specifications. Calibration levels for warm and cool LED sets are listed on a label found inside the Front Accessories door for use in restoring the fixture to Mfrs. Spec. after Resetting it.



**A.** Calibration must first be enabled, using sequence A, and choosing YES. (Default setting is NO).

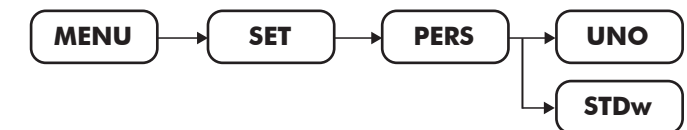


**B.** Use sequence B to alternate between the cool and the warm color LED sets, adjusting levels. Set by hitting ENTER.

**Changing DMX Operation Mode** This sequence allows the daylight & tungsten LEDs to be separated, and given DMX addresses, for separate control.

**UNO** - The fixture operate as 1 adress.

**STDw** - Creates separate DMX channels for each color. Second color gets next numerical DMX address.



## Resetting the System



Reset the fixture to its factory default settings, by following the above button sequence. See the chart for default values.

The "4 dots" sequence is as follows:

UP + DOWN + UP + DOWN + ENTER.

UP + DOWN + UP + DOWN + ENTER.

LED says OK when fixture is reset.

MENU	DEFAULT VALUE
DIMM	D. 100
RUN	DMX
DMX	D. 001
SET > KEY	OFF
SET > DIM	DIM4
SET > CALE	NO
SET > CALI	W. 255
	C. 255
SET > PERS	UNO

