

PIXELline 522

PART NUMBERS

IP40 Unit

PLB522-1A9P901 (BLACK)

FEATURES

Light Source

- ✓ 522 high intensity, 5mm, red, green and blue LED's
- ✓ High quality, highest color binning
- ✓ LED beam angle 20 degrees conical
- ✓ 16.6 million color permutations
- ✓ 9 cells of resolution

Preset Programming

- ✓ Onboard digital micro-processor accessible via user interface that provides: Access to 2 sets of internal effects with up to 31 effects on each set. Variations of speed, intensity, level, and crossfade rate for each effect. High frequency strobing up to 28 frames per second (variable up to 10 min)

Control

- ✓ 4 digit alpha-numeric display indicates fixture address & other menu functions
- ✓ DMX 512 input and output via 5 pin xlr standard
- ✓ R.D.M. ready
- ✓ Selectable 3, 4, 10 or 27 control channels for different applications
- ✓ Slave (dmx) mode and master (outputs dmx) mode
- ✓ Master intensity channel option for all pixel cells, and/or internal chase generators
- ✓ Selectable DMX address
- ✓ Master intensity controlled via DMX input or adjusted in stand alone mode
- ✓ Default factory reset (simple two button reset)
- ✓ Personality "selectable resolution" (3, 6, 9, 18 or maximum 27 channel control)
- ✓ Self test function

Diagnostics

- ✓ Four blue LEDs provide status information on: Power, data present, master and slave mode. (Indicators are located on remote user interface)

Cooling

- ✓ Proprietary patent pending heat management system, based around a substantial heatsink construction
- ✓ Integral fans controlled via electronic sensing
- ✓ Low air pressure / low noise design

Construction

- ✓ Robust construction suited for both permanent and temporary applications
- ✓ Innovative design allows units to be positioned end to end, producing a seamless line of pixels

Finish

- ✓ Black powder coating (other colors available)

Weight

- ✓ Fixture: 13lbs (6 Kg)
- ✓ Combi Yoke: 4lbs (2Kg)

Dimensions

- ✓ 3 1/4" (84mm) wide x 6 1/2" (165mm) deep x 24" (598mm) long

Electrical

- ✓ Auto ranging 100-240 vac power supply
- ✓ 50-60 hz
- ✓ 16amp Cee Form 2 pin and earth in/out connection located at both ends of unit

Power Consumption

- ✓ 77 watts on full intensity @ 120 volts
- ✓ 83 watts on full intensity @ 240 volts
- ✓ Standby power 22 watts @ 120 volts
- ✓ Standby power 7 watts @ 240 volts

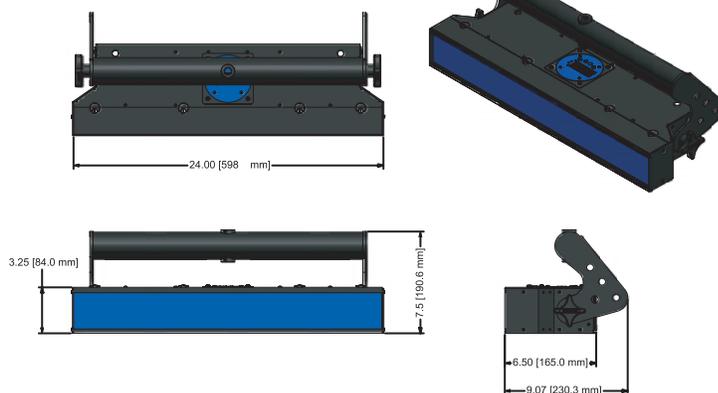


ACCESSORIES

Order Code	Description
PLB515902410	10 degree homogenizing film, - smoothes out beam to provide uniform coverage at 10 degrees.
PLB51520PC10	20 degree film
PLB51530PC10	30 degree film
PLB5150.2X40PC10	0.2 x 40 degree film
PLB515PPP47535	30 x 75 degree film
PLB51560PE5	60 degree film
PLB51560X1PC10	6 x 1 degree film
PLB51580PE5	80 degree film

TECHNICAL DRAWINGS

Dims noted in Inches (mm)



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PixelRange LED luminaires provide the most advanced LED lighting technology available. These compact, high output fixtures are designed for dynamic projection and colorful wash lighting. These fixtures, that are easy to install and maintain, are a perfect complement to both interior and exterior applications.

Advanced heatsink design

The patent pending heat management system is designed to provide a maximum of heat dissipation from the buildup within the LED array. This is achieved by mounting the LED PCBs to a custom designed heat sink with a dielectric material designed to efficiently transfer the heat from the LED array. This system improves the long-term performance of the LEDs and ensures that all of the PixelRange products will have a long and reliable life while maintaining the highest possible lumen output from the LEDs. Minimal heat is projected from the beam of light.

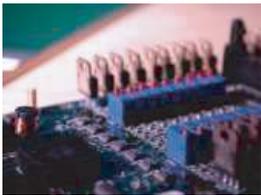


Universal interface

Every PixelRange product features our standard universal user interface, which provides the user with access to various operating modes and personalities. This allows the fixture to be set to suit a particular application. Each fixture is capable of independent operation, with recall of up to 961 internal pattern / color sequences. It is also possible to setup a fixture to act as a master unit, controlling other fixtures connected to the data line. The unit can also be set to slave mode, to receive dmx data.

Cutting edge LED array

Every PixelRange product uses only the highest quality LEDs which have been selected with the most stringent color selection available to insure the user a uniformity of colors. The PCBs have been designed to provide exceptional light output from each fixture.



Power Supply

Each self contained PixelRange product has a superior quality and rated power supply that has been carefully matched to the high efficiency electronics. This design process insures the operation of the power supply is well within its optimal output and eliminates the need to overdrive and thereby shorten operating life of the fixture and components.

Inherent Quality

The design detail within each PixelRange fixture will provide you with a quality product providing peace of mind and maintenance free operation. Excellence is maintained through the use of high quality components designed for long-term performance even under the continuous operating requirements of 24/7. Given the internal design detail of the PixelRange, we provide up to a year return base warranty as standard across the entire product range. James Thomas Engineering's PixelRange was recently awarded LumiLEDs Certified Luminaire Manufacturing status in recognition of meeting their design and build criteria.



Environmental Issues

Every PixelRange product consumes up to 90% less electricity to operate compared to incandescent light sources. By choosing PixelRange you are choosing a product which is both easy to setup and is low in maintenance. You are doing your bit for the environment by helping reduce electrical consumption, aiding the reduction in carbon emissions.

PixelDrive

Pioneering the convergence of lighting with video, PixelDrive acts as an interface between a dmx lighting desk, as well as being able to run without a desk, this program has been designed with the PixelRange line of fixtures. PixelDrive treats each PixelRange fixture as a pixel of RGB and Amber. This program unlocks the creative potential to explore new and innovative ways of building lighting sequences of multiple dmx universes with playback of up to 20 layers of control. PixelDrive comes as standard with Radlite which expands upon the video control, further enhancing operation to include video output (free PixelDrive evaluation software is available by registering at our website).

*Available in both PC and Mac versions.

