



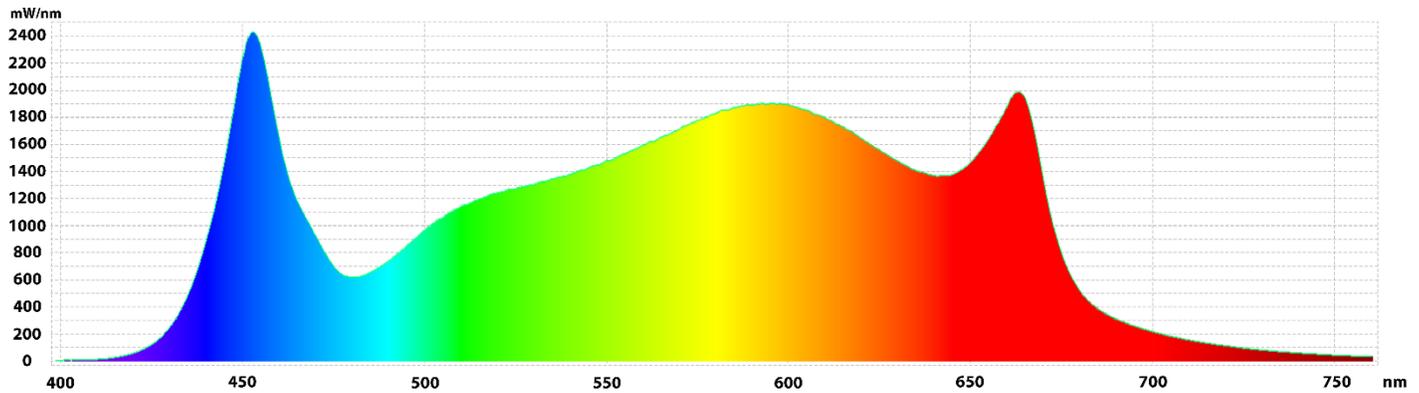
# Gavita Pro 1700e LED



	120 Volt	208 Volt	240 Volt	277 Volt
<b>Input current at 100%</b>	5.3 Amps	3.1 Amps	2.6 Amps	2.3 Amps
<b>Input power at 100%</b>	645W	645W	645W	645W
<b>Light source</b>	LED	LED	LED	LED
<b>Lamp base</b>	Osram and Samsung LEDs			

The Gavita Pro 1700e LED fixture operates at 645 watts with an output of 1700  $\mu\text{mol s}^{-1}$  PAR and an impressive efficacy of 2.6  $\mu\text{mol s}^{-1}$  per watt. The Pro 1700e delivers broad, intense light coverage with its 8 passively cooled LED bars allowing you to use it in low rooms, vertical racks, over benches, or even in tents. This powerful, full-spectrum light source is intended for full-term plant growth from the vegetative stage to the higher-light-requiring bloom and finishing stages. Built with premium Philips drivers, Samsung white LEDs and Osram deep-red LEDs, this fixture uses only the highest-quality components. The fixture is dimmable to 50% without any loss of efficiency using the Gavita E-Series LED Adapter and Gavita Master Controllers. The Gavita E-Series LED Adapter - 120-277 V (#906151, sold separately) is required for each fixture when using the controller; non-controlled fixtures simply operate at 100%. The Gavita Pro 1700e LED fixture and Gavita E-Series LED Adapter are FCC compliant, UL8800, and IP66 rated for use in wet environments with a maximum ambient operating temperature of 40°C. Sun Grip® light hangers included. Dimensions: 44.1 in x 43.7 in x 2.3 in. Weight: 28.4 lbs.

## More information



## Spectrum

Reliably sourced components including Philips AdvanceDrivers, Samsung white LEDs and Osram deep-red LEDs create improved performance. The Gavita 1700e gently drives LEDs to optimize fixture life and improve spectral output. The 8 passively cooled bars provide full-spectrum, broad-coverage light for full-term growth.

## Features & Benefits

### Form factor

With the same performance that makes Gavita the world's leading horticultural lighting brand comes a new LED light fixture designed to deliver more usable energy to your plants while consuming less power. The Gavita Pro 1700e LED is a full-term light fixture that provides consistent, energy-efficient results.

### Output and efficiency

Operating at 645 watts with an output of 1700  $\mu\text{mol s}^{-1}$ , this fixture achieves an impressive efficacy of 2.6  $\mu\text{mol s}^{-1}$  per watt. Eight passively cooled LED bars provide intense light coverage with no fans or moving parts—significantly reducing the number of possible fail points compared to other fixtures.

### Wet rating

IP66 wet rated and UL8800 compliant (IP56 wet rated and CE/CB compliant in EU) for use in wet environments which allows versatile placement in growing spaces. Its wet rating provides complete protection from dust, oil and water, allowing you to mount this light source in low rooms, on vertical racks, over rolling benches or even in tents.

### External control

The Gavita Pro 1700e LED is dimmable and distributes broad, full-spectrum light anywhere from 50% to 100% while maintaining efficiency. Dim using the Gavita E-Series LED Adapter and Gavita EL Master Controller to create ideal lighting levels as needs change from veg to bloom for various crops throughout their growth cycles. The Gavita E-Series LED Adapter – 120-277 V (sold separately) is required for each fixture when using the controller; non-controlled fixtures simply operate at 100%. You can connect up to 500 – 1,000 LED fixtures, depending on the controller, using a setup with daisy-chained splitters.

# Gavita Repeater Bus vs Single Bus e-series

Gavita pioneered the remote control of fixtures and set the standard with the Gavita Master controller and its plug and play e-series cabling solution. Our second generation Gavita 'Repeater Bus' interface is backward compatible with the Single Bus cabling system, but also offers a direct fixture to fixture daisy chain connection for fixed installations.

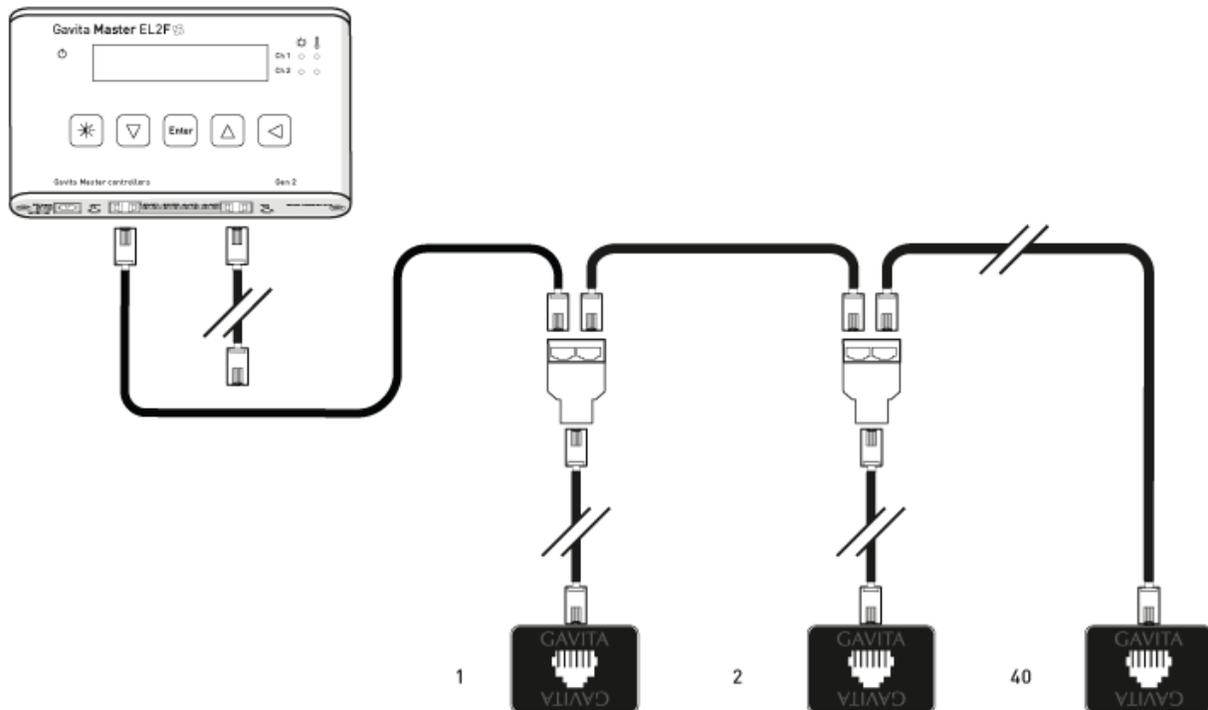
## Single Bus Configuration

A single Bus e-series interface fixture is recognizable by the single-port connector on the ballast. These fixtures are the most practical solution for installations where the fixture height is adjusted during the grow-cycle or where fixtures hang from the ceiling.

You can connect up to 40 fixtures per controller port, 80 in total on a Master EL2 controller. Additionally, you can connect more fixtures by connecting up to 3 booster modules (maximum 200 fixtures per port).

Fixtures connect to the controller with a Gavita black controller cable, which taps the signal for every fixture with a splitter. From the splitter, a single cable drops down to the fixture. Each fixture comes with the necessary cables and a splitter suitable for any situation. We offer a wide range of cables and accessories for every imaginable application.

Standard e-series configuration

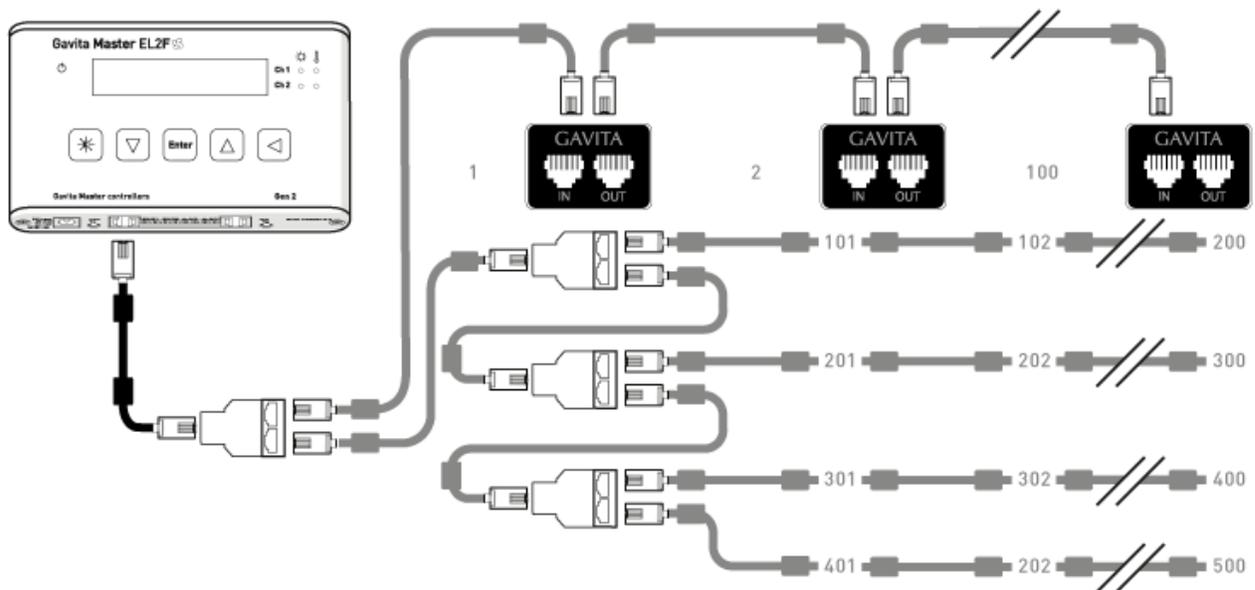


## Repeater Bus Configuration

Gavita developed the Repeater Bus interface for fixed installations in professional environments. The Gavita difference is the double-port connector on the ballast. The active interface repeats the input signal to the output. This setup lets you directly daisy chain 100 fixtures per string and five strings per controller port to connect a maximum of 500 fixtures per controller port. The Repeater-bus cable is grey (6P6C) to distinguish it from standard E-series (6P4C) cabling systems. (Black e-series cables are not suitable to daisy chain repeater-bus fixtures.)

Each repeater bus fixture comes with the necessary cables suitable for almost any scenario. Our professional-grade fixtures (208-240V) also include a Single Bus cabling kit to provide backward compatibility with our single-port e-series system. A DIY cabling kit is available to connect multiple strings to your controller or to connect strings at a custom distance.

Please note that all interconnect and controller cables need ferrites on each end as close to the connector as possible.



## Repeater Bus & Single Bus Combination

When you supplement Repeater Bus fixtures with Plasma lighting, you will encounter fixtures with both the Single Bus and Repeater Bus interfaces. It is possible to mix them and have full Master controller functionality. You will need both gray and black cables, additional ferrites, and splitters. Be sure to use the right type (color) cable for the right fixture as they are wired differently internally.

Each fixture has the necessary cables to do the most common setups. If you require different length cables, or you no longer have the spare cables, they are available as accessories. If you are in doubt on how to connect the fixtures, you can open a ticket on the [support](#) page.

Please note that all interconnect and controller cables need ferrites on each end as close to the connector as possible. Add ferrites to the black e-series cables as well.

