

GAVITA Pro 1000 DE



GAVITA Pro 1000 DE electronic ballast

The GAVITA Pro 1000 DE is part of the GAVITA Pro-line series, offering you the latest technology in a series of rugged, professional state of the art fixtures, reflectors and electronic ballasts. The GAVITA Pro 1000 DE electronic ballast works on 240V, but drives a professional high voltage electronic horticultural lamp.

The GAVITA Pro 1000 is the first 240 Volt electronic ballast that powers the professional Philips GreenPower 1000W 400V EL (electronic) Double Ended lamp. This lamp has the highest PAR light output, improved spectrum and the best light maintenance (>95% PAR light over one year of use). Being the most efficient 1000W horticultural lamp available and the only lamp specifically developed for electronic ballasts this is the 1000W lamp of choice for Dutch professional greenhouse growers. The GAVITA Pro 1000 is available as a complete fixture with the highly efficient professional HortiStar HR 96 1000 DE reflector or as a remote ballast. Being completely closed and solid state (no fans) with extremely low heat dissipation the remote ballast can be mounted close to your lamps, enabling safe and easy installation. Having your ballast close to your lamp reduces the amount of EMI (RF interference). Both ballasts are adjustable to 600/660/750/825/1000/1150 watt, enabling them to drive a wide range of EL lamps and boost them 10 or 15%, creating the highest output in the market.

GAVITA Pro 1000 DE

Specifications

Features/benefits

- Full fixture only for 1000W 400V Double Ended EL lamps
 - No acoustic resonance
 - Up to 8% more grow light
 - Light maintenance after 5000 hrs > 95%
- Available as full fixture or remote ballast
- Adjustable to 600/660/750/825/1000/1150 watt
- System design and concept by GAVITA
- Sealed housing (Class I) with Gore-Tex ventilation plug
- Microprocessor controlled
- Professional UV resistant rubber wiring
- Very low heat dissipation and optimal cooling
- Driver efficiency at full power 95-96%
- UL Listed



Technical specifications complete fixture with reflector:

Dimensions : 22.3"/567mm (length) x 9.4"/240mm (width) x 13.4"/341mm (height)
Mains connector : IEC C14, power cable 10 ft with 240V plug
Power factor : > 0.98
Ambient Temp : -4 – 122°F / -20 - 50°C (case temperature)
Reflector : HortiStar HR 96 1000 DE in bracket, Miro aluminum

Technical specifications remote ballast:

Dimensions : 13.4"/341mm (length) x 6.2"/158mm (width) x 4.4"/112mm (height)
Mains connector : IEC C14, power cable 10 ft with 240V plug
Lamp connector : XR505
Power factor : > 0.98
Ambient Temp. : -4 – 122°F / -20 - 50°C (case temperature)



Electronics specifications

System	Mains	Syst. Power	Frequency	Current
Operating at 1000W	240 - 277 Volt	1060 Watt	50-60 Hz	4.42A at 240V
Operating at 1150W	240 - 277 Volt	1220 Watt	50-60 Hz	5.06A at 240V

Lamp specifications

	Luminous Flux (initial)	Grow light PPF
Philips GP TD EL 1000W	138.000 (indicative)	1850 μ Mol/sec

