

PRO SPEC 315 WATT REMOTE GROW BALLAST

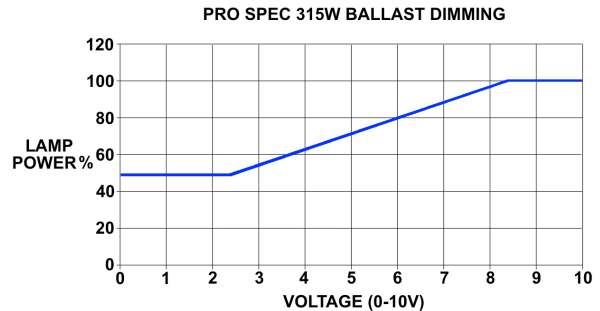
Dimming Instructions

PRO SPEC BALLAST DIMMING SPECIFICATION

Dimming Type:	Analog 0-10V
Dimming Range:	50-100% Output
Dimming Control Current:	0.5mA Max. Per Ballast

The PRO SPEC 315 Watt remote grow ballast is dimmable from 50% to 100% output. Dimming is optional and allows the user to dial in the desired light output. Dimming lowers power consumption, heat production and operating costs.

Ballast automatically operates lamp at 100% for a minimum of 10 minutes before dimming. This ensures the lamp is fully stabilized before dimming. This dimming approach has no impact on the system life (ballast and lamp). Ballast utilizes standard 0-10V analog dimming, compatible with standard 0-10V dimmers and controllers. The ballast comes with the dimming wires capped off separately, making the ballast always operate at 100% output. Connecting the dimming wires together will make the ballast operate at the lowest dimming setting (50% output). Dimming is not instantaneous and may require a few minutes for the lamp temperature and light output to stabilize.



Dimming HID lamps generally causes a spectral shift. The PHILIPS Elite 315 Watt lamps exhibit only a slight spectral shift because of the advanced lamp technology employed. The PHILIPS Agro Elite lamp has the best dimming abilities.

Using a light meter to determine the best light output level is recommended. The lamp must be burned in and stabilized for 100 hours before taking accurate readings. HID lamps should be operated for at least 100 hours total with more than one start. Moving the lamp, vibrations or changing the lamp burning position will require the lamp to be re stabilized.

WARNING!

Only use compatible dimmers or controllers. Follow all product instructions and warnings. **DO NOT CONNECT LINE VOLTAGE TO DIMMING WIRES.** Improper installation or misuse **WILL VOID WARRANTY** and may cause product failure.

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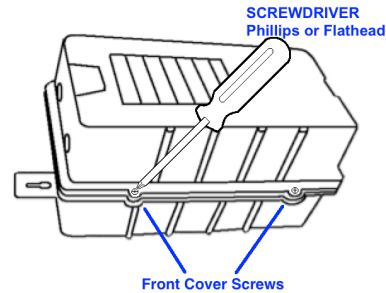
WARNING!
DISCONNECT POWER TO BALLAST BEFORE SERVICING OR OPENING!

INSTRUCTIONS

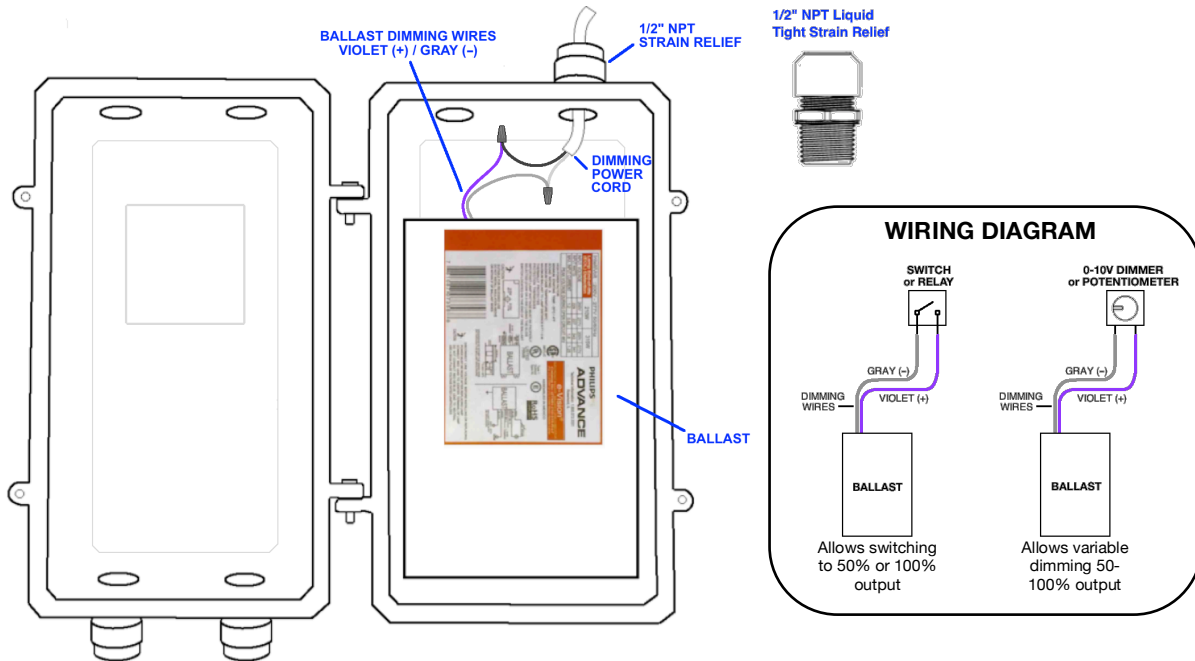
With power disconnected, open ballast as shown to access the dimming wires.

Violet (+) / Gray (-)

One of the 1/2" NPT threaded plugs must be removed. This will be where the dimming power cord will enter the ballast enclosure. To maintain enclosure wet location rating a 1/2" NPT liquid tight strain relief must be installed and sealed properly.



NOTE: ALL ELECTRICAL CONNECTORS, WIRE SUPPORTS AND ELECTRICAL CORDS MUST BE RATED FOR AT LEAST 90°C



After installation, carefully close the ballast enclosure, making sure no wires are pinched.

Dimming wire/cord length limit will vary depending on the wire and dimmer/controller used. For typical installations cable lengths up to 50 feet are acceptable. Longer cable lengths may be possible. Keep lamp cords, power cords and dimming cables separate to minimize interference. Wiring: Class 2 Low Voltage (0-10VDC). For trouble shooting and questions please contact: customerservice@prospeclighting.com