

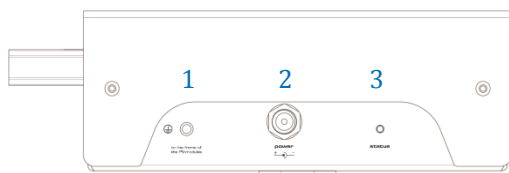
FAQ status PIDbox Light

1 PURPOSE OF PIDBOX LIGHT

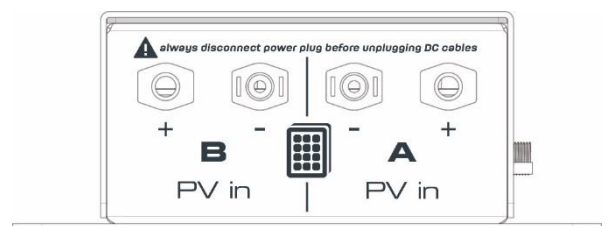
The PIDbox Light of iLumen increases the yield of your solar panels and extends their lifetime. The device is installed between the solar panels and the inverter. At night, when the solar panels are not active, the PID affected solar cells are regenerated.



2 DESCRIPTION PIDBOX LIGHT



1. Ground connection with the frame of the solar panels
2. Connection power supply
3. Statuslamp (LED)



DC-connection with PV-installation

3 STANDARD OPERATION

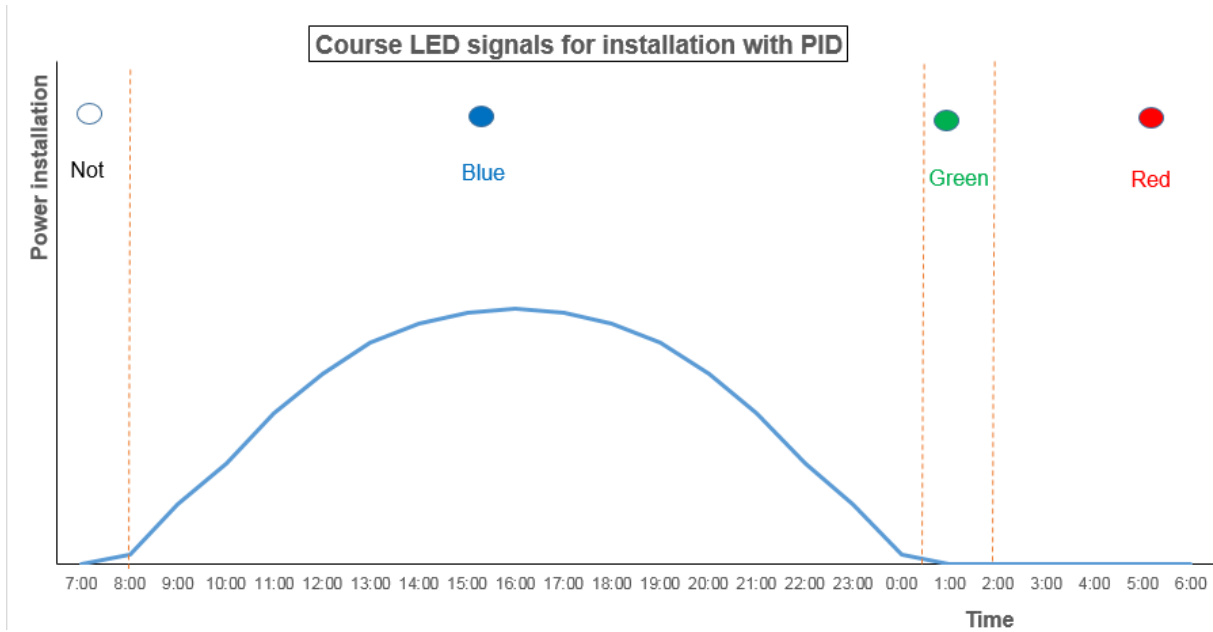
When the iLumen PIDbox Light is hooked up correctly to the inverter you will see the following status LED readouts.

- ✓ **RED BLINKING:** power supply connected but no active solar system detected
- ✓ **BLUE:** active solar system detected but no current flowing
- ✓ **GREEN BLINKING:** all startup conditions are met and PIDbox Light will start in less than 30 minutes
- ✓ **RED:** PIDbox Light active at night time
- ✓ **PURPLE:** (OUTDOOR only) purple led can burn at night time. May switch to **RED**

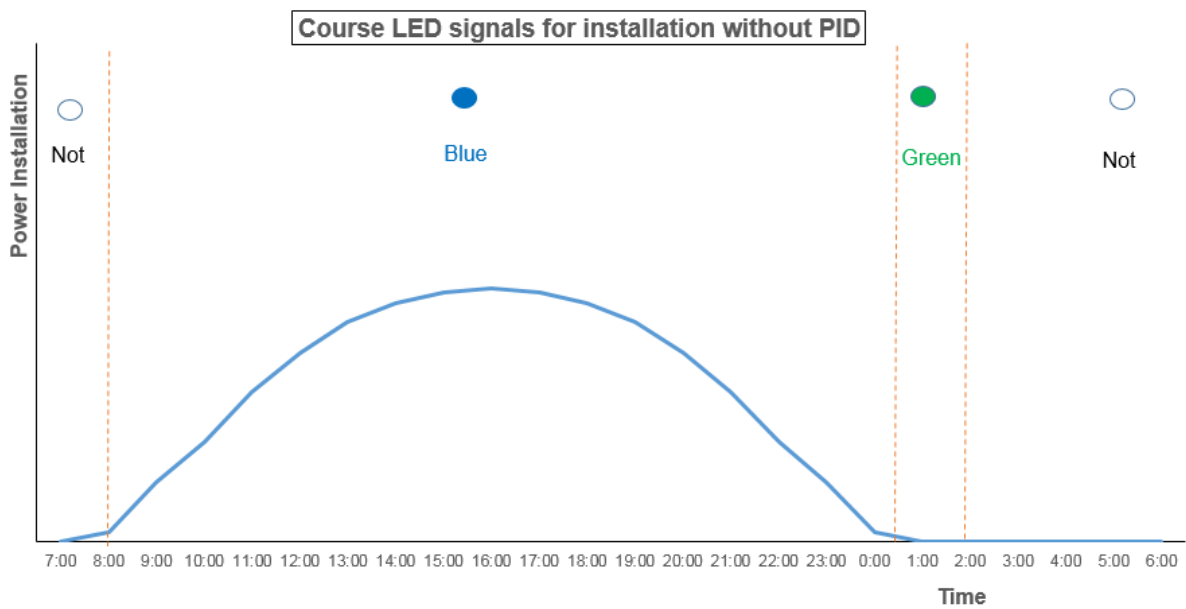
If the LED does not light up at night, this does not necessary imply a problem. The RED LED will only light up if specific environmental conditions permit. During the day, the LED should always light up.

The charts below show the status of the LED in function of time (day/night)

PV-installation with PID (time is indicative)



PV-installation without PID (time is indicative)



4 TROUBLESHOOTING

LED readout	Fault	Corrective action
No leds visible	Product does not work	Make sure the DC-power supply is plugged into a AC-outlet. Also make sure the outlet is under tension.
No leds visible	Product does work and makes some clicking noises	This can happen at dusk and dawn. LED should light up after a while. If not please contact iLumen technical service.
Led gives other color than BLUE, GREEN, WHITE, PURPLE or RED	Product does not work	Please contact iLumen technical service.
No RED or PURPLE led during nighttime while during the day blue led is burning	Curing of the panels is not working	This can have 2 reasons: <ul style="list-style-type: none"> • PID is not present on PV-modules (however the first night of regeneration the led must be on). • Earth connection between PIDbox Light and the frame of the modules is interrupted
Red led blinking during the night	Product does not work	If you connected the PIDbox when it was already dark outside, the PIDbox will not become active during that 1 st night. Normally the PIDbox Light should work the nights after that when the solar plant has been active during the day.

5 CONTACT

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In this document, a number of practical key issues concerning the operation of the PIDbox Light are discussed. For more comprehensive information about the PIDbox Light, we refer to the official manual of this product.