

BLACK BOX

growlite
BY BARRON LIGHTING GROUP

PROFESSIONAL HORTICULTURE CONTROLS

LPDP

MCP

MASTER CONTROL PANEL

The Black Box standard Master Control Panel (MCP) contains 16 individually controlled rooms/zones with the capability to control up to 3,072 fixtures or lamp circuits (up to 192 lamps/room or zone).

A color touch screen provides the interface to control the on/off timing of the connected lights as well as the display of the ambient temperature, relative humidity, CO₂, and VPD levels in each room/zone. The Master Control Panel (MCP) is powered with a 120VAC power supply and communicates with the LPDP (Lighting Power Distribution Panels) via a profinet cable with a R45 connector.

LIGHTING POWER DISTRIBUTION PANELS

The Black Box Lighting Power Distribution Panels (LPDP) are UL 508 Listed and allow for lamp circuits powered at 120, 240 or 277VAC.

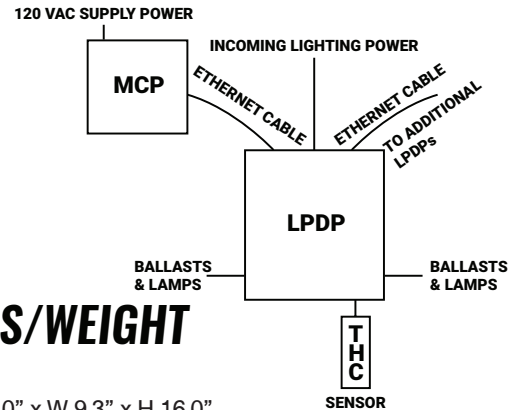
All Lighting Power Distribution Panels have the ability to connect three (3) environmental sensors that accurately measure:

- Ambient Temperature
- Relative Humidity
- CO₂
- Vapor Pressure Deficit
- One (1) Year Warranty



STANDARD SYSTEM FUNCTIONS

- Each Lighting Power Distribution Panel (LPDP) can have up to three (3) sensors that will display:
 - Ambient Temperature
 - Relative Humidity
 - CO₂
 - VPD
- Lighting control based on standard or custom light cycles for each room/zone.
- For each room/zone, there will be a "Grow Start" with the cycle, days room/zone tracked and displayed for each room/zone.
- Lamp hours will be tracked for each. Warnings can be sent each time lamps exceed a set number of operational hours.
- Monitoring and alarming based on data collected by the sensors.
- Setup screen(s) can be password protected and will allow for the setting of setpoints such as alarm points and lamp life expectancy.



DIMENSIONS/WEIGHT

Dimensions:

- GLC-BBMCP - L 16.0" x W 9.3" x H 16.0"
- GLC-BBLPDP (12 & 24 Circuit) - L 30.0" x W 9.3" x H 30.0"
- GLC-BBLPDP (36 & 48 Circuit) - L 30.0" x W 9.3" x H 36.0"

Weight:

- GLC-BBMCP - 40 lbs / 18.14 kgs
- GLC-BBLPDP (12 & 24 Circuit) - 104 lbs / 47.17 kgs
- GLC-BBLPDP (36 & 48 Circuit) - 140 lbs / 63.50 kgs

Item No.

- GLC-BBMCP-7/9/12*
- GLC-BBLPDP-12/24/48**-120/240/277VAC***
- GLC-THCS

* = Touch Screen Size ** = Lamp Circuits Input
***= Voltage

GROWLITE.COM

7885 N Glen Harbor Blvd
Glendale, Arizona 85307
800.533.3948

Specifications are subject to change without notice.

