

BLP 60-LC

Replacement for older ALP 60 units Step less adjustable from 1200 to 6,000 W

This solid state power supply is designed to replace older ALP 60 units, which are now over 10 years old and reaching the end of their life time. Based on the proven BLP 75 it is a "state of the art" power supply for your uv lamps. It is adopted to and with the same principal function as the ALP 60, but with improved technology and coupled with more than 12 years of experience with electronic power supplies.

The BLP 60-LC is designed to be electrically interchangeable with the ALP 60 (all versions.)

As an option a plate with adopted fixing points is available to get the same fixing points as the older ALP 60 ("BLP 60-MTPL")

The existing interface box of the ALP 60, which supplies the 2 fiber optic cables for the control of the ALP 60 (or custom made interfaces), can still be used. 2 new fiber optic cables of 1m length are supplied with the BLP 60-LC.

New interface boxes can be supplied as options (APF1 or AIF1)



Main technical data

BLP 60-LC	
Output power	approx. 1200 – 6,000 W (continuous) , step less adjustable
Mains voltage supply	3x 376 to 3x 509 V (3x 528V for 1h within 24h operation)
Mains current (at 6000W)	3x 12A (400V) to 3x 10A (480V) (PF ≥ 0.8)
Mains frequency	50 to 60 Hz
Mains connection	L1, L2, L3, PE
Typical lamp arc length	~ 15 to 70 cm (6" to 27") Hg lamps ~ 15 to 60 cm (6" to 24"), doped lamps
Lamp operating voltage	100 to 450 V (nominal value)
Lamp operating current	approx. 2 to 18 A
Duty frequency	approx. 255 Hz
Power loss	6 to 8 %
Ambient temperature	0° to 40°C (32 to 104 F)
Dimensions (WxHxL)	approx. 125 x 270 x 400 mm
Weight	15 kg
Cooling of the unit	Air cooling with 2 mounted fans (internal supplied)

Replacement of a ALP 60 (all versions) with a BLP 60-LC

- To replace a ALP 60 with a new BLP 60-LC please first identify a method for mounting / fixing the new unit or use option "BLP 60-MTPL" to use same fixation as ALP 60 in place.
- Mount the BLP 60-LC into its new position.
- Re-connect mains power supply (L1-L2-L3-PE) to the BLP 60-LC by using the new connector (included with BLP).
Some ALP 60 versions have "B1" and "B2" terminals: do not use these cables any longer ("tie off, "isolate and hide in a safe location e.g. cable tray)
- Re-connect lamp cables by using the connector for the BLP (included).
If the lamp cables are shielded, reconnect shields with PE near or to the BLP 60-LC housing.
- Re-connect the 2 fiber optic cables to the 2 light connectors on the BLP 60-LC.
Connect the OUT from the control box to the IN connector on the BLP,
Connect the IN from the control box to the OUT connector on the BLP.
If you are unsure, which is IN and OUT:
switch on the control and look into the open ends of the 2 fiber cable connectors. On one of them you should see a continuous or flickering red light. Insert the fiber cable with the red light into the IN connector of the BLP, the other to the OUT connector.
- Run and test for correct operation.