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UVDRIVE

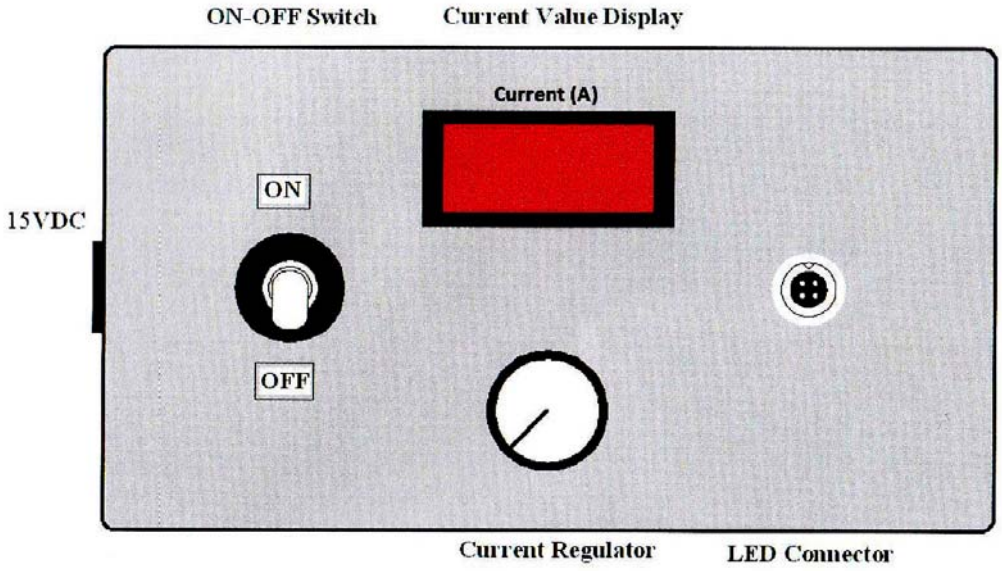
DC Power Supply for UVTOP/UVLUX LEDs

UVDRIVE is a continuously adjustable constant current power supply specifically designed to operate the UVTOP and UVLUX UV LEDs. The adjacent current can directly be monitored on the LCD display. UVDRIVE comes with 110/240 VAC power supply and LED cable and fixture for ease of operation.

Specifications

Parameter	Value
Input Power	15 VDC
Power supply	110/240 VAC
Max. Output Current UVDRIVE-50	50 +/- 15mA
Max. Output Current UVDRIVE-80	80 +/- 15mA
Max. Output Current UVDRIVE-180	180 +/- 15mA
Operating Temperature	+10 … +30 °C
Storage Temperature	-20 … +50 °C
Dimensions	145x83x65 mm³

Operation



1. Make sure the power switch is in the OFF position.
2. Connect the LED cable to the LED connector
3. insert the LED into the receptacle of LED fixture (Polarity is marked on the fixture)
4. insert the plug of the 15 VDC power supply into the 15VDC socket on the left side of the unit
5. Turn the current regulator fully counterclockwise
6. Switch the power switch to ON
7. Turn the current regulator clockwise while monitoring the current disply
8. Do not exceed current value as specified in the respective LED's datasheet

General Advice

UV-Radiation

UVTOP and UVLUX devices are ultraviolet LEDs. During operation, the LED emit high intensity ultraviolet (UV) light, which is harmful to skin and eyes.

UV light is hazardous to skin and may cause cancer. Avoid exposure to UV light when the LED is operational. Precautions must be taken to avoid looking directly at the UV light without the use of UV protective glasses. Do not look directly at the front of the LED or at the LEDs lens when the LED is operational.

It is advised, to attach a warning label on products/systems that utilize UV LEDs:

Static Electricity

UVTOP and UVLUX LEDs are ESD (electrostatic discharge) sensitive. Static electricity and surge voltages seriously damage UV LEDs an may result in complete failure of the device.

Precautions must be taken against ESD when handling or operating these devices.