

## LLE-1 Low Pressure Mercury Lamp

- Compact design
- Complete system including housing, stand, and power supply
- Ground glass & diaphragm supplied
- Output of 20 W



A low pressure Mercury lamp is one of the most popular discharge lamps in labs, frequently used for wavelength calibration of optical measuring instruments and as a disinfection lamp to sterilize workspace and tools used in biology labs and medical facilities. High efficiency and good color rendition make this type of traditional lamp an ideal source for various applications. Low pressure Mercury lamps use Mercury in an excited state to produce light. The arc discharge is generally confined to a little fused quartz tube mounted within a larger borosilicate glass bulb. As the main arc strikes Mercury, the gas heats up and the pressure increases. The brightness of the lamp increases with an increase in gas pressure until it reaches a steady state.

### Specifications

|                             |   |
|-----------------------------|---|
| Wavelength in Visible Range | 577 nm, 579 nm, 546.1 nm and 404.7 nm     |
| Rating Voltage              | 220/110 V                                 |
| Power                       | 20 W                                      |
| Operating Voltage           | 20 V                                      |
| Operating Current           | 1.3 A                                     |
| Base's Type                 | E27                                       |
| Dimension of Lamp           | 28 mm in OD, 155 mm in length             |
| Dimension of Housing        | 50 mm (dia), 195 mm in length             |
| Dimension of Windows        | 2 windows: 30 mm (height) x 16 mm (width) |
| Range of Height Adjustment  | 140 mm to 240 mm                          |