

ABSTRACT

The present invention discloses a LED light source device for components inspection. The device has a white annular lamp and a blue annular lamp installed on a fixed blue-lamp ring, a green annular lamp installed on a fixed green-lamp ring and a red annular lamp installed on a fixed red-lamp ring. The fixed blue-lamp, green-lamp and red-lamp ring are being arranged from bottom to top respectively, and the white annular lamp is being positioned at the bottommost. In addition, a heat-dissipation ring is installed on the outskirts of the green annular lamp, along with heat-dissipation electric fans and a fixed light-source ring positioned on the top of the light source device. The present invention not only has the advantages of using four different light sources, including: a red light source, a green light source, a blue light source and a white light source, to illuminate inspected objects from different angles which allow camera to capture more information, but also increase the convenience for component inspection which in term provides higher assurance for components quality.