

Ultraviolet light (Black light) LED based

The construction of Qualitech Ultraviolet light LED based black light assembly is in accordance with various standards and latest state of art in science and technology for penetrant and magnetic particle inspection processes. These lights generate emit ultraviolet light with a wavelength of 365 nanometers which is recommended for NDT inspection. It is light weight use friendly portable hand held instrument



The salient features / specifications of the instrument are:

1. Extremely light weight durable assembly weighing approximately 500 grams.
2. Long life of the bulb around 8000 hours. Economical in long run.
3. Intensity is fairly constant over entire service life. Intensity of $2200 \mu\text{W}/\text{cm}^2$ at 15" (38 cm).
4. True black light source. No filter required.
5. No heat is generated during operation hence no external cooling fan is required.
6. Beam angle of 10 degrees without hot spots and rings.
7. Power requirement: 230 V, 1 \emptyset , 50 Hz AC supply.