

FC-Series

World's Lightest Fan-Cooled, Portable UV-A Lamps

NDT inspectors find that **FC-Series UV-A lamps** make prolonged inspections seem much shorter because they provide cool operation and increased comfort.

- Quiet, *built-in fan* dramatically reduces running temperature, provides more comfort and safety for users, and ensures long bulb life.
- Ergonomically designed with the handle and cord at the balance point of the lamp head. As a result, the lamp can be held for long periods with little user fatigue.
- Special remote lamp switch in the pistol grip prevents accidental shutoff, while separate fan control switch allows for safe cool-down.
- Lamp head is housed in a super-strong engineering polymer that is dent-proof and impact-resistant. Weighs just $3\frac{5}{8}$ lbs (1.6 kg).
- Easily meets ASTM UV-A intensity specifications for FPI and MPI
- Bulb features average rated life of 5,000 hours

The **FC-100** comes with a 100-watt bulb, available in concentrated spot (FC-100) and diffused filter (FC-100D) versions. Spot configuration has a nominal steady-state UV-A intensity of $4,800 \mu\text{W}/\text{cm}^2$ at 15 inches (38 cm). Diffused configuration has a nominal steady-state UV-A intensity of $2,200 \mu\text{W}/\text{cm}^2$ at 15 inches (38 cm). Both lamps come with 8 foot (2.4 m) primary and secondary cords. Lamp head weighs just $3\frac{5}{8}$ lbs (1.6 kg).

The **FC-150** with a Built-In-Ballast™ 150-watt concentrated spot bulb has a nominal steady-state UV-A intensity of $4,500 \mu\text{W}/\text{cm}^2$ at 15 inches (38 cm), has an 8 foot (2.4 m) power cord. Lamp head weighs just $3\frac{1}{2}$ lbs (1.6 kg).

The **FC-100M** has the same specifications as the FC-100 model, but is a direct replacement lamp for use with Magnaflux® magnetic particle machines.

Models are also available with extended length primary or secondary cords, or with a 35 foot (10.7 m) secondary cord housed in a retractable "flying" reel. Visit www.spectroline.com for more details.



CE

FC-100



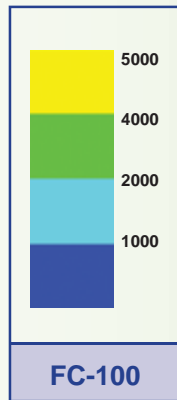
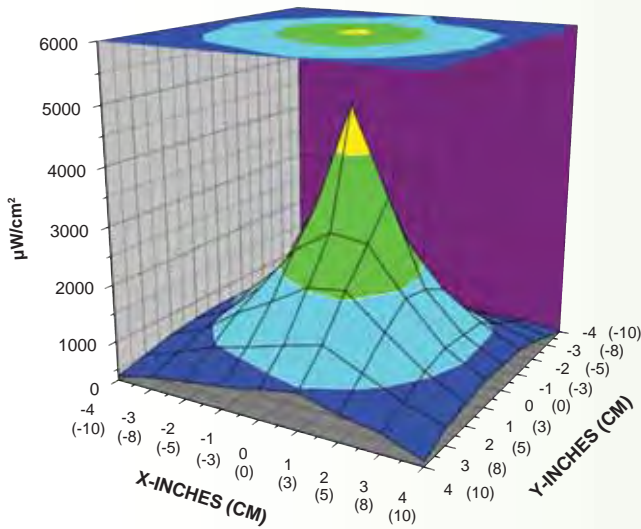
CE

FC-150

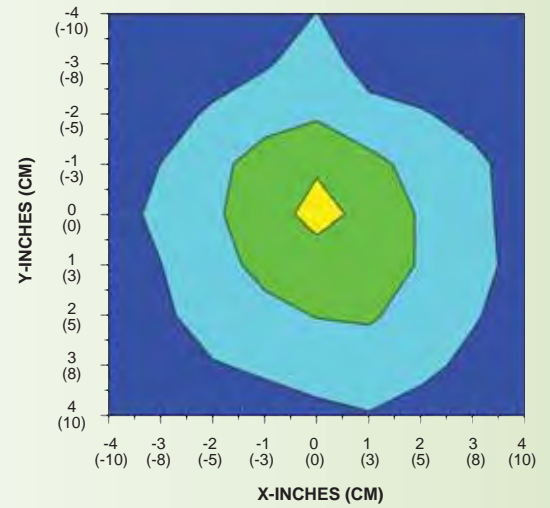
Also available: 100S/M-PQL upgraded, Premium Quality Lighting (PQL), 100-watt, medium base, HID replacement spot bulb, for FC-100 Series lamps. Average rated bulb life is **12,000 hours**. With the upgraded bulb, lamp has a nominal steady-state UV-A intensity of $7,500 \mu\text{W}/\text{cm}^2$ at 15 inches (38 cm).

Magnaflux® is a registered trademark of Magnaflux Corporation

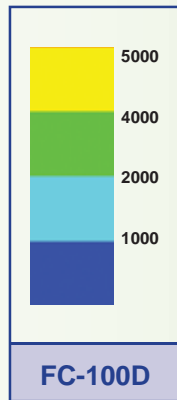
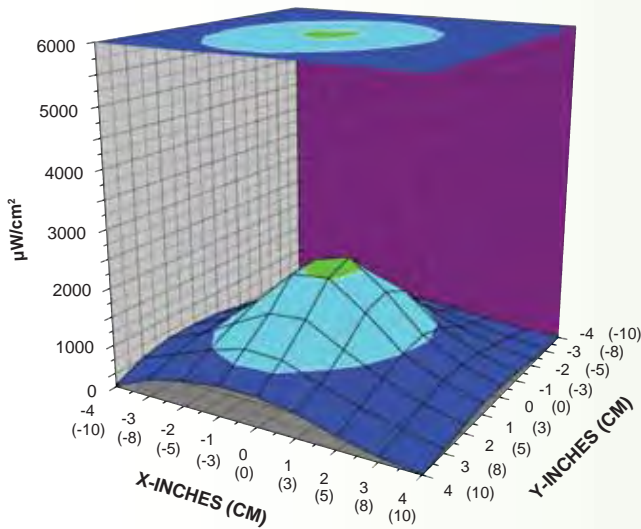
SURFACE CONTOUR PROFILE AT 15 IN (38 CM)



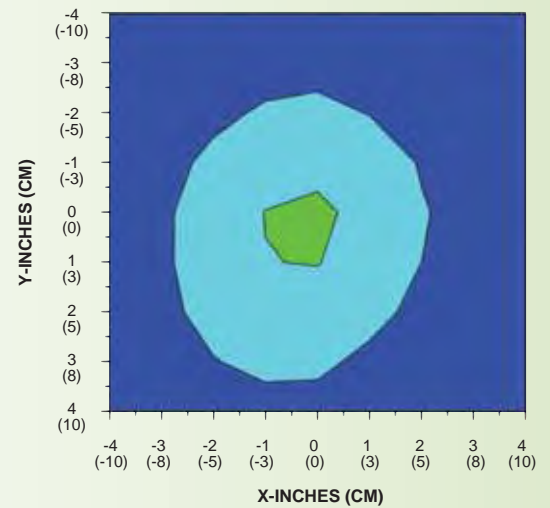
TOP INTENSITY PROFILE AT 15 IN (38 CM)



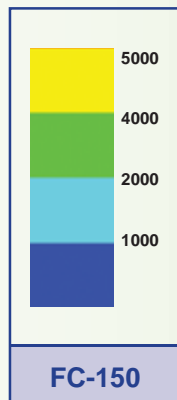
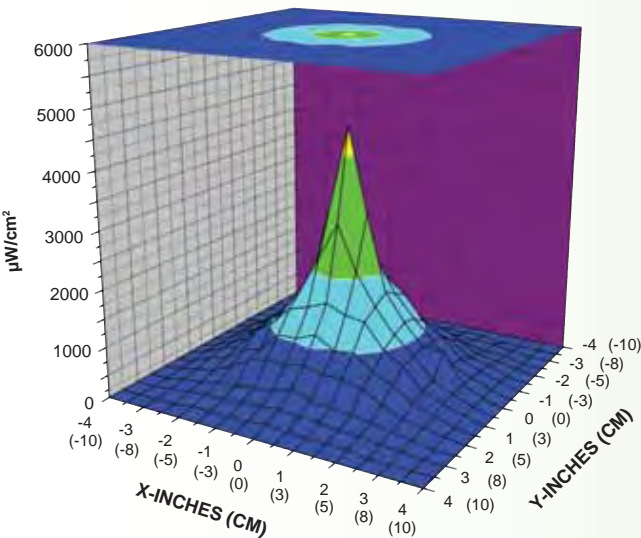
SURFACE CONTOUR PROFILE AT 15 IN (38 CM)



TOP INTENSITY PROFILE AT 15 IN (38 CM)



SURFACE CONTOUR PROFILE AT 15 IN (38 CM)



TOP INTENSITY PROFILE AT 15 IN (38 CM)

