Stationary high intensity type Black-Light

Super-Light E-150

A new Black-Light with high intensity & longer operating life!

E-150 is equipped with a new halation eliminated filter which eliminates 99% obstacle visible light. This brings an improvement of work environment and inspection accuracy.

- **High intensity and unnecessary dark room.**

  The inspection can be carried out under visible light of 100lx.
  It offers an intensity of 8,400µW/cm^2(Center portion) at 800mm off the filter.

- **Longer operating life with light controlling function.**

  It can be kept an intensity of 5,000µW/cm^2 (Center portion) for about 3,000 hours [1] (at 800mm off the filter) by using the dimmer.

- **The distance between lights can be wider.**

  In the case that there is necessity to line up two or more E-150,
  the distance between lights can be wider due to its high power output.
  In the case that the distance is 1000mm, the intensity at the center will be 8,000µW/cm^2 (at 800mm off the filter)
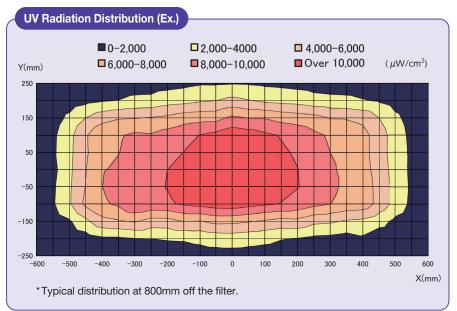
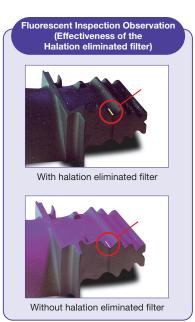- **UV radiation distributing feature.**

  The UV radiation distribution does not change much even the radiation distance is changed since UV radiation always goes parallel.

- **Halation elimination.**

  Halation eliminated filter eliminates the obstacle visible light (especially red and purple) effectively for better observation.
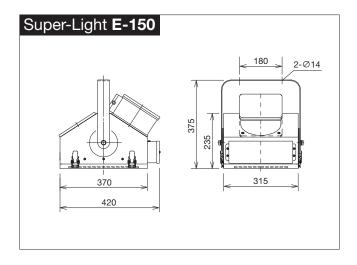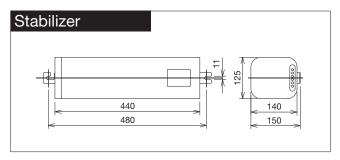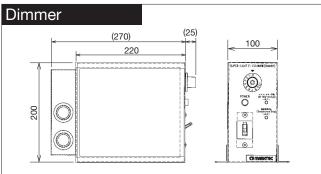
[1] Not guaranteed

UV Radiation Distribution (Ex.)

Legend: 0–2,000 | 2,000–4000 | 4,000–6,000 | 6,000–8,000 | 8,000–10,000 | Over 10,000 (µW/cm^2)

*Typical distribution at 800mm off the filter.

Fluorescent Inspection Observation (Effectiveness of the Halation eliminated filter)

With halation eliminated filter

Without halation eliminated filter

MARKTEC

■ Dimensions

Super-Light E-150

Stabilizer

Dimmer

■ Specification

Model	E-150
Type	Stationary type
UV Intensity [1]	At 800mm off the filter : 8,400μW/cm^2 [2]
In case line up two or more E-150	Distance 1,000mm/At 800mm off the filter : 8,400μW/cm^2
UV Radiation distributing feature	At its center of distribution
Input voltage	AC200V/220V±10%
Power consumption	1.2KW Maximum
Lamp	1,200W metal halide lamp
Lamp life [1]	Approx.3,000 hours (At 800mm off the fliter : 5,000μW/cm^2)
Time to be steady state	Approx. 5 minutes
Main wavelength	UV365nm (UVA)
Cooling fan	Mounted on the lamp body
Lamp body dimension	420W×315D×235H(mm)
Lamp body weight	Approx. 15.0kg
Stabilizer dimension/weight	440W×125D×140H(mm) / Approx. 23.0kg
Dimmer dimension/weight	100W×220D×200H(mm) / Approx. 4.0kg
Option	Flange for duct

[1] Not guaranteed   [2] at 800mm off the filter

✂ All specifications and designing are subject to change without notice.