Stationary type LED Black-Light

Super-Light

D-40L

Energy saving & Immediate operation are realized!

LED

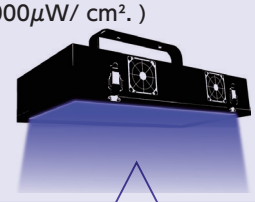
UV intensity control become possible!

Longer Operating Life Energy Saving

- LED light source life accomplishes approx. 10,000 hours.
  (Conventional metal halide light source is approx. 1,500 hours)
- 100W power consumption is less than 1/3 comparing with conventional type.

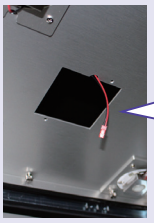
High Intensity Wide Coverage

- Under the irradiation coverage of 600×250mm, UV intensity is more than 4,000μW/cm².
  (Model D-40•2 is more than 2,000μW/ cm².)



Less Heat Safety

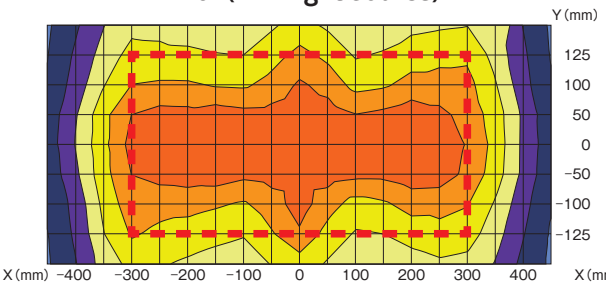
- Safe LED light source with less heat.
- Simply replacement of LED light source.



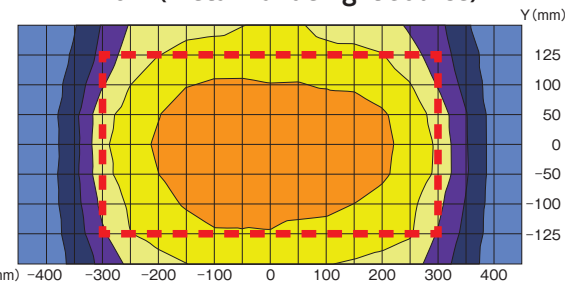
Remove with one fingertrip

UV Irradiation Distribution Comparison between D-40L and D-40•2

D-40L (LED light source)



D-40•2 (Metal halide light source)



0–1000 | 1000–2000 | 2000–3000 | 3000–4000 | 4000–5000 | 5000–6000 | Over 6000 (μW/cm²)

※Typical distribution at 600mm under the filter. ※The area covered by red dashed line is the coverage of 600×250mm.

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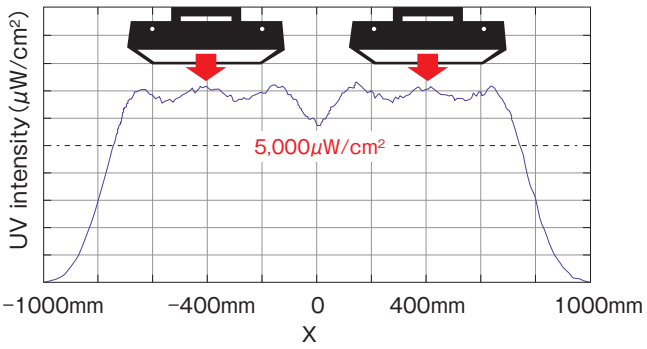
Comparative Table

	D-40L	D-40・2
UV intensity Coverage 600×250mm (Irradiation distance : 600mm)	Over 4,000μW/cm²	Over 2,000μW/cm²
Central UV intensity (Irradiation distance)	Over 4,000μW/cm²	Over 3,900μW/cm²
UV light source	UV-LED : 10Pcs	400W Metal halide light source
Lifetime of UV light source	Approx. 10,000 hours.	Approx. 1,500 hours
Power consumption	100W	420W
Reactivation period	Immediately	4 minutes
Input voltage	AC100-240V±10%	AC200/220V±6%

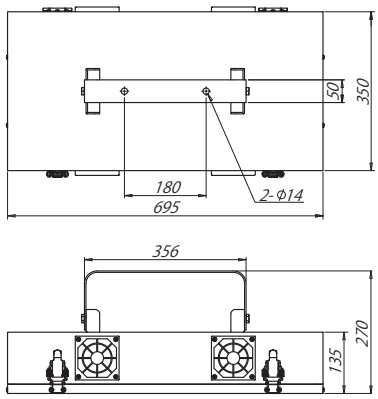
Simulation of Continuous Lamp Unit



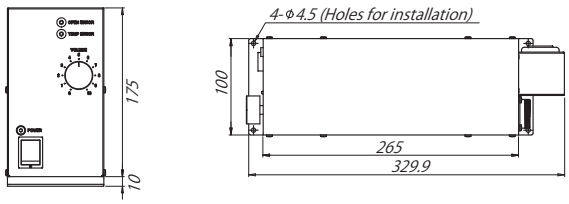
※Recommended pitch between lamp unit: Continuous lamp unit of 800mm (X)

External Dimensional Drawings

The lamp unit



Power supply box



CAUTION

① Check the supply voltage and frequency before installation.

② Avoid using the lamp unit and power supply box in the following types of locations.

- Locations with ambient temperatures outside the range of 5 to 40℃.
- Locations with high humidity or which are exposed to water.
- Locations where they might be subject to vibrations or shocks.
- Locations subject to corrosive or flammable gases.
- Locations subject to large amounts of dust or oil mist.

③ Do not disassemble or modify the lamp unit, power supply box, or dedicated cable.

④ When replacing the LED light source units and protective filters, make sure you do so after turning the power supply off. After replacing them, when not using the light, turn the power off immediately and check that the lamp unit and power supply box connectors are securely connected.

⑤ When the lamp is on, under no circumstances should you look directly at the LED light source units.
They can hurt the cornea and conjunctiva of the eye and cause ultraviolet inflammation known as electric ophthalmia.

⑥ If the air-circulation efficiency decreases due to a blocked air filter, the temperature of the interior of the lamp unit will continue to rise, which could damage the LED light source units. Therefore, replace the air filters regularly.

SPECIFICATION

Input voltage	AC100-240V ±10%　50Hz/60Hz	Lamp body cable	2.0m
Power consumption	100W	Usage environment	Ambient temperatures : 5～40℃ Relative humidity : 20%～80%
UV light source	UV-LED		
Reactivation period	Immediately		
UV Intensity	Central UV intensity : Over4,000μW/cm² (Irradiation distance : 600mm)	Dimension/weight	**The lamp unit** 695W×350D×270H mm Approx. 15.0kg **Power supply box** 100W×265D×175H mm Approx. 3.0kg
Main path wavelength	365nm		
Lifetime of UV light source	Approx. 10,000 hours		
Dimmer function	UV intensity control become possible (20～100%)		

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

Integrated supplier of Non-Destructive Testing and Marking

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