NEW Calibrated Deuterium Light Source

L7820



▲LEFT: LAMP HOUSING, RIGHT: POWER SUPPLY

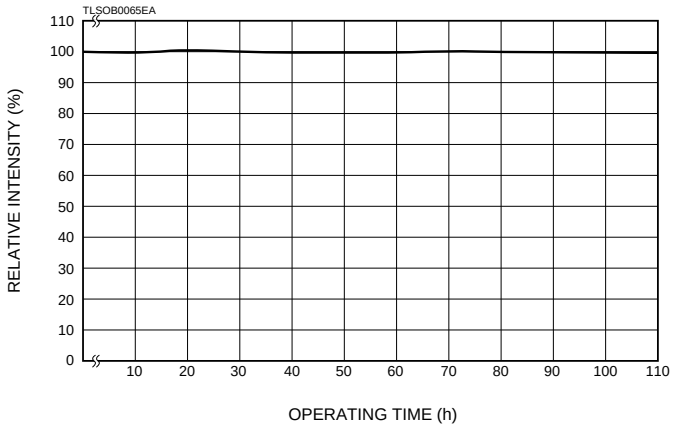
JCSS 0081 is a logo mark for an accreditation system based on Japanese Measurement Law. Our Planning & Engineering Division is accredited in accordance with ISO/IEC Guide 25: 1990 in the field of photometry calibration.
(Our accreditation number is 0081.)
[JCSS: Japan Calibration Service System (The Japanese Goverment accreditation scheme for calibration laboratories and a signatory of APLAC Mutual Recognition Arrangement)]

FEATURES

■High Stability

Stability is one of the important characteristics of calibrated light sources. Hamamatsu's excellent electrode technology and optimized lamp housing realize high stability and good repeatability.

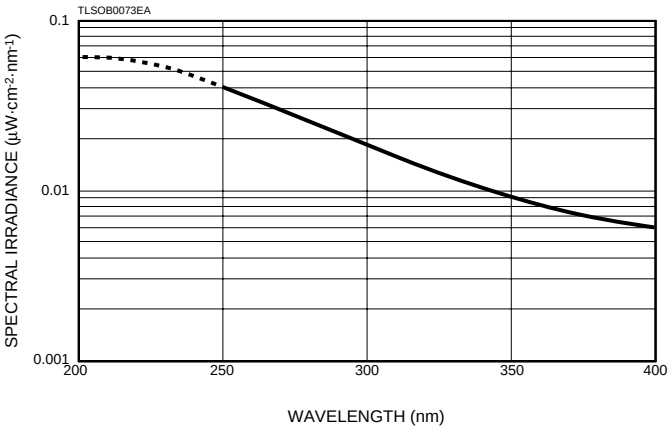
●Light Intensity Drift (Typ.)



■High UV Power

Deuterium lamps have high output in the UV region, making them ideal for UV wavelength calibration and other applications requiring UV light sources.

●Spectral Irradiance (Reference data)
: 50 cm away from the light source



HAMAMATSU

SPECIFICATIONS

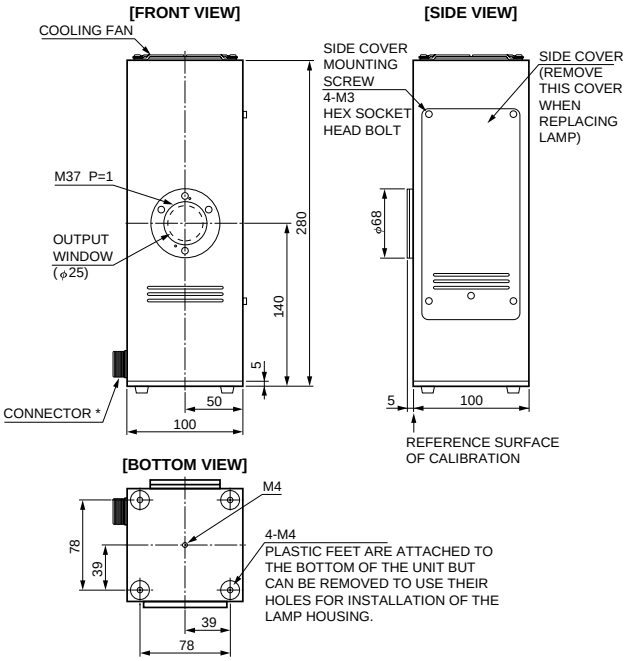
Lamp		Deuterium Lamp
Input Wattage		30 W
Spectral Distribution		185 nm to 400 nm
Calibrated Range Ⓐ		250 nm to 400 nm
Type of Calibration		Spectral Irradiance
Calibration Unit		$\mu W \cdot cm^{-2} \cdot nm^{-1}$
Stability	Fluctuation (p-p)	0.05 % Max.
	Drift	±0.3 %/h Max.
Window Material (Lamp Housing)		Synthetic Silica
Warm-up Time		10 min
Recommended Calibration Period Ⓑ		100 hours or 1 year whichever comes first
Guaranteed Life Ⓒ		500 hours

Input Voltage (switched manually)		100 V ac/115 V ac/200 V ac/230 V ac (±10 %), 50 Hz/60 Hz
Power Consumption		90 VA
Cooling	Lamp Housing	Forced Air Cooling (cooling fan is included)
	Power Supply	Not required
Ambient Temperature		0 °C to 40 °C
Humidity		30 % to 85 % (without condensation)
Dimensions (W × H × D)	Lamp Housing	100 mm × 280 mm × 100 mm
	Power Supply	200 mm × 107 mm × 240 mm
	Case Ⓓ	595 mm × 425 mm × 345 mm
Weight	Lamp Housing	Approx. 3.5 kg
	Power Supply	Approx. 6.7 kg
	Case Ⓓ	Approx. 7.8 kg

NOTE: ⒶThe calibrated value is the light power at 50 cm away from front surface of lamp housing.
ⒷThis is the recommended calibration period when high reliability is required. Please contact to our sales office for re-calibration fee.
ⒸThis is the guaranteed time the unit satisfies requirements as calibrated light source.
ⒹThis is an accessory coming with the unit.

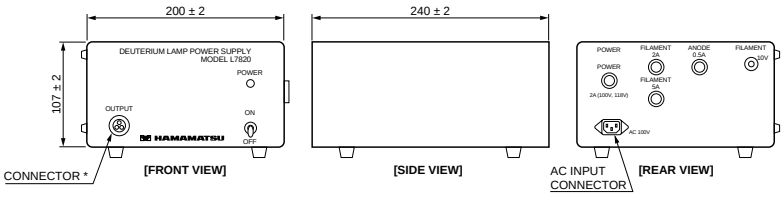
DIMENSIONAL OUTLINES (Unit: mm)

LAMP HOUSING



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POWER SUPPLY



* The attached cable length to connect lamp housing with power supply is 2000 mm

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