

SPECTROLINE® E-SERIES ULTRAVIOLET HAND LAMPS



Spectroline E-Series UV hand lamps are the most powerful units available of their type. A full range of 30 models offers various combinations of UV wavelength, intensity, size and wattage. These units are perfect for applications where a compact, lightweight lamp is desired.

All E-Series UV lamps feature a silver-anodized aluminum housing that makes the lamps both attractive and durable. A corrosion-resistant, specular-aluminum reflector optimizes UV irradiance. Standard with all short and medium wave models is our unique LONGLIFE™ filter glass, which ensures higher initial UV intensity and is extremely resistant to solarization. Color-coded on/off power buttons, conveniently located on the top of the units, put irradiance control at your fingertips.

For even greater comfort and convenience, slide any E-Series lamp into the Spectroline SE-140 lamp stand or CH-180 carrying handle. The SE-140 is a sturdy, aluminum stand that easily holds the lamp for hands-free use. It is readily adjustable to any lamp height between 3-4" (7.6-10.2cm). To provide an instant hand grip, the CH-180 is available. This carrying handle readily mounts onto the lamp to facilitate hand-held applications.

In addition, the versatile E-Series lamps are a key component of the Spectroline CM-Series and CC-80 UV viewing cabinets. The lamps offer easy wavelength interchangeability, making these viewing systems ideal for numerous applications where a darkened environment is needed.

E-Series lamps come with integrally filtered or unfiltered UV tubes, available with or without a separate filter assembly. Unfiltered tubes provide the highest UV intensity. Integrally filtered tubes emit high UV intensity while absorbing most white light. Double-tubed units emit lower intensity than single-tubed units with the same wavelength, but they provide broader UV coverage. For maximum fluorescent contrast with the least white light transmission, choose a lamp with a filter assembly. The rated life of the tubes is 6,000 hours.

All E-Series UV lamps are UL listed and CSA approved.



APPLICATIONS

Long Wave UV

- Medical Diagnosis • Dermatology • Cosmetology
- Ophthalmology • Lice Detection • UV Curing • Non-Destructive Testing • Quality Control • Chromatography • Gel Electrophoresis • Mineralogy • Inspection of Conformal Coatings • Leak Detection • Criminology • Bacterial Identification • Specimen Staining • Titration Processes • Invisible Coding and Marking • Fluorochemistry • Examination of Fine Art • Archaeology • Entomology • Fluorescence Photography • Photoresist Exposure • Philately • Detection of Altered Documents • Counterfeit Currency Detection • Signature Verification • Readmission Control • Aflatoxin Detection • Rodent Contamination Detection • Detection of Food and Textile Contamination

Medium Wave UV

- Gel Electrophoresis • Gradient Sampling • UV Curing • Phototherapy

Short Wave UV

- Chromatography • UV Sterilization • Mutation Studies • Mineralogy • Archaeology • Toxicology • Microbiology • Mycology • Protein, Steroid and Vitamin Separations • Pesticide Analysis • Chlorination • Fungus Culture • Alumina Testing • UV Curing



CH-180 CARRYING HANDLE



SE-140 LAMP STAND



CM-26 UV VIEWING CABINET



EA-160 UV HAND LAMP

SPECIFICATIONS

Wavelength	Model	Equipped With	Typical Peak Intensity ($\mu\text{W}/\text{cm}^2$) At 6 Inches (15cm)	Housing	
				Dimensions	Net Weight
Long Wave (UV-A)	EA-140	One 4-Watt Integrally Filtered Tube	800	3 $\frac{1}{4}$ "W x 7L x 2 $\frac{1}{2}$ "H (8.3W x 17.8L x 6.4cmH)	1 $\frac{1}{4}$ lbs. (0.8kg)
	EN-140	One 4-Watt Tube	825	3 $\frac{1}{4}$ "W x 7L x 2 $\frac{1}{2}$ "H (8.3W x 17.8L x 6.4cmH)	1 $\frac{1}{4}$ lbs. (0.8kg)
	EN-140L	One 4-Watt Tube with Filter Assembly	555	3 $\frac{1}{4}$ "W x 8L x 2 $\frac{1}{2}$ "H (8.3W x 20.3L x 6.4cmH)	2 lbs. (0.9kg)
	EA-240	Two 4-Watt Integrally Filtered Tubes	620	3 $\frac{1}{4}$ "W x 7L x 2 $\frac{1}{2}$ "H (8.3W x 17.8L x 6.4cmH)	1 $\frac{1}{4}$ lbs. (0.8kg)
	EA-150	One 5-Watt Integrally Filtered Tube	940	3 $\frac{1}{4}$ "W x 8L x 2 $\frac{1}{2}$ "H (8.3W x 20.3L x 6.4cmH)	2 lbs. (0.9kg)
	EA-160	One 6-Watt Integrally Filtered Tube	1,280	3 $\frac{1}{4}$ "W x 10 $\frac{1}{4}$ "L x 2 $\frac{1}{2}$ "H (8.3W x 26.0L x 6.4cmH)	2 lbs. (0.9kg)
	EN-160	One 6-Watt Tube	1,350	3 $\frac{1}{4}$ "W x 10 $\frac{1}{4}$ "L x 2 $\frac{1}{2}$ "H (8.3W x 26.0L x 6.4cmH)	2 lbs. (0.9kg)
	EN-160L	One 6-Watt Tube with Filter Assembly	900	3 $\frac{1}{4}$ "W x 10 $\frac{1}{4}$ "L x 2 $\frac{1}{2}$ "H (8.3W x 26.0L x 6.4cmH)	2 $\frac{1}{2}$ lbs. (1.1kg)
	EA-180	One 8-Watt Integrally Filtered Tube	1,700	3 $\frac{1}{4}$ "W x 13 $\frac{1}{4}$ "L x 2 $\frac{1}{2}$ "H (8.3W x 33.7L x 6.4cmH)	2 $\frac{1}{4}$ lbs. (1.0kg)
	EN-180	One 8-Watt Tube	1,850	3 $\frac{1}{4}$ "W x 13 $\frac{1}{4}$ "L x 2 $\frac{1}{2}$ "H (8.3W x 33.7L x 6.4cmH)	2 $\frac{1}{4}$ lbs. (1.0kg)
	EN-180L	One 8-Watt Tube with Filter Assembly	1,165	3 $\frac{1}{4}$ "W x 13 $\frac{1}{4}$ "L x 2 $\frac{1}{2}$ "H (8.3W x 33.7L x 6.4cmH)	2 $\frac{1}{4}$ lbs. (1.2kg)
	EN-280L	Two 8-Watt Tubes with Filter Assembly	1,090	3 $\frac{1}{4}$ "W x 13 $\frac{1}{4}$ "L x 2 $\frac{1}{2}$ "H (8.3W x 33.7L x 6.4cmH)	2 $\frac{1}{4}$ lbs. (1.2kg)
	Medium Wave (UV-B)	EB-160C	One 6-Watt Tube with LONGLIFE Filter Assembly	610	3 $\frac{1}{4}$ "W x 10 $\frac{1}{4}$ "L x 2 $\frac{1}{2}$ "H (8.3W x 26.0L x 6.4cmH)
EB-180C		One 8-Watt Tube with LONGLIFE Filter Assembly	700	3 $\frac{1}{4}$ "W x 13 $\frac{1}{4}$ "L x 2 $\frac{1}{2}$ "H (8.3W x 33.7L x 6.4cmH)	2 $\frac{3}{4}$ lbs. (1.2kg)
EB-280C		Two 8-Watt Tubes with LONGLIFE Filter Assembly	620	3 $\frac{1}{4}$ "W x 13 $\frac{1}{4}$ "L x 2 $\frac{1}{2}$ "H (8.3W x 33.7L x 6.4cmH)	2 $\frac{3}{4}$ lbs. (1.2kg)
Short Wave (UV-C)	EF-140C	One 4-Watt Tube with LONGLIFE Filter Assembly	570	3 $\frac{1}{4}$ "W x 8L x 2 $\frac{1}{2}$ "H (8.3W x 20.3L x 6.4cmH)	2 lbs. (2.8kg)
	EF-160C	One 6-Watt Tube with LONGLIFE Filter Assembly	1,010	3 $\frac{1}{4}$ "W x 10 $\frac{1}{4}$ "L x 2 $\frac{1}{2}$ "H (8.3W x 26.0L x 6.4cmH)	2 $\frac{1}{2}$ lbs. (1.1kg)
	EF-180C	One 8-Watt Tube with LONGLIFE Filter Assembly	1,180	3 $\frac{1}{4}$ "W x 13 $\frac{1}{4}$ "L x 2 $\frac{1}{2}$ "H (8.3W x 33.7L x 6.4cmH)	2 $\frac{3}{4}$ lbs. (1.2kg)
	EF-260C	Two 6-Watt Tubes with LONGLIFE Filter Assembly	810	3 $\frac{1}{4}$ "W x 10 $\frac{1}{4}$ "L x 2 $\frac{1}{2}$ "H (8.3W x 26.0L x 6.4cmH)	2 $\frac{3}{4}$ lbs. (1.2kg)
	EF-280C	Two 8-Watt Tubes with LONGLIFE Filter Assembly	1,030	3 $\frac{1}{4}$ "W x 13 $\frac{1}{4}$ "L x 2 $\frac{1}{2}$ "H (8.3W x 33.7L x 6.4cmH)	2 $\frac{3}{4}$ lbs. (1.2kg)
Long Wave (UV-A)/ Short Wave (UV-C) Combination	ENF-240C	One 4-Watt LW Tube, One SW Tube with LONGLIFE Filter Assembly	UV-A: 300 UV-C: 310	3 $\frac{1}{4}$ "W x 8L x 2 $\frac{1}{2}$ "H (8.3W x 20.3L x 6.4cmH)	2 lbs. (0.9kg)
	ENF-260C	One 6-Watt LW Tube, One SW Tube with LONGLIFE Filter Assembly	UV-A: 350 UV-C: 390	3 $\frac{1}{4}$ "W x 10 $\frac{1}{4}$ "L x 2 $\frac{1}{2}$ "H (8.3W x 26.0L x 6.4cmH)	2 $\frac{1}{2}$ lbs. (1.1kg)
	ENF-280C	One 8-Watt LW Tube, One SW Tube with LONGLIFE Filter Assembly	UV-A: 470 UV-C: 500	3 $\frac{1}{4}$ "W x 13 $\frac{1}{4}$ "L x 2 $\frac{1}{2}$ "H (8.3W x 33.7L x 6.4cmH)	2 $\frac{3}{4}$ lbs. (1.2kg)
Long Wave (UV-A)/ Medium Wave (UV-B) Combination	ENB-260C	One 6-Watt LW Tube, One MW Tube with LONGLIFE Filter Assembly	UV-A: 350 UV-B: 330	3 $\frac{1}{4}$ "W x 10 $\frac{1}{4}$ "L x 2 $\frac{1}{2}$ "H (8.3W x 26.0L x 6.4cmH)	2 $\frac{1}{2}$ lbs. (1.1kg)
	ENB-280C	One 8-Watt LW Tube, One MW Tube with LONGLIFE Filter Assembly	UV-A: 470 UV-B: 450	3 $\frac{1}{4}$ "W x 13 $\frac{1}{4}$ "L x 2 $\frac{1}{2}$ "H (8.3W x 33.7L x 6.4cmH)	2 $\frac{3}{4}$ lbs. (1.2kg)
Medium Wave (UV-B)/ Short Wave (UV-C) Combination	EBF-260C	One 6-Watt MW Tube, One SW Tube with LONGLIFE Filter Assembly	UV-B: 330 UV-C: 390	3 $\frac{1}{4}$ "W x 10 $\frac{1}{4}$ "L x 2 $\frac{1}{2}$ "H (8.3W x 26.0L x 6.4cmH)	2 $\frac{1}{2}$ lbs. (1.1kg)
	EBF-280C	One 8-Watt MW Tube, One SW Tube with LONGLIFE Filter Assembly	UV-B: 450 UV-C: 500	3 $\frac{1}{4}$ "W x 13 $\frac{1}{4}$ "L x 2 $\frac{1}{2}$ "H (8.3W x 33.7L x 6.4cmH)	2 $\frac{3}{4}$ lbs. (1.2kg)
Germicidal Short Wave (UV-C)	EF-140	One 4-Watt Tube	1,050	3 $\frac{1}{4}$ "W x 7L x 2 $\frac{1}{2}$ "H (8.3W x 17.8L x 6.4cmH)	1 $\frac{1}{4}$ lbs. (0.8kg)
	EF-160	One 6-Watt Tube	1,680	3 $\frac{1}{4}$ "W x 10 $\frac{1}{4}$ "L x 2 $\frac{1}{2}$ "H (8.3W x 26.0L x 6.4cmH)	2 lbs. (0.9kg)
	EF-180	One 8-Watt Tube	1,930	3 $\frac{1}{4}$ "W x 13 $\frac{1}{4}$ "L x 2 $\frac{1}{2}$ "H (8.3W x 33.7L x 6.4cmH)	2 $\frac{1}{4}$ lbs. (1.0kg)

Long Wave (UV-A): 365nm

Medium Wave (UV-B): 312nm

Short Wave (UV-C): 254nm



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