

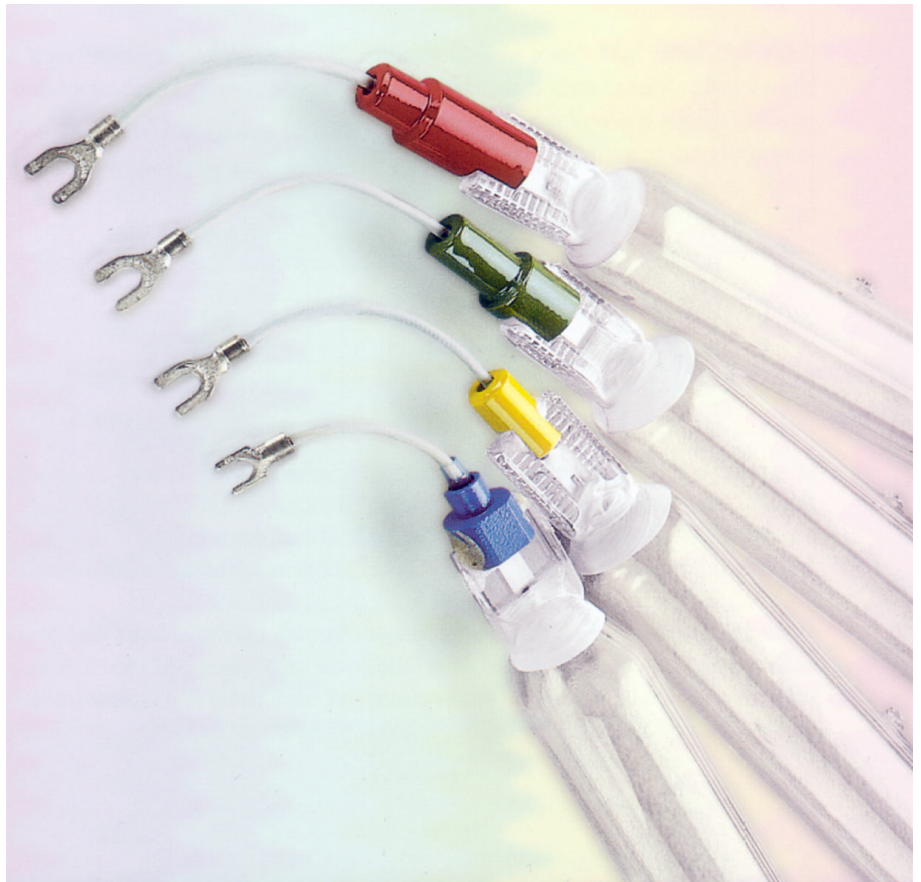
SPECTRAMATCH

Genuine OLEC Imaging Lamps

Fastest Lamps in
The Industry

Color Coded Ends
Corresponding To
The Spectral Output

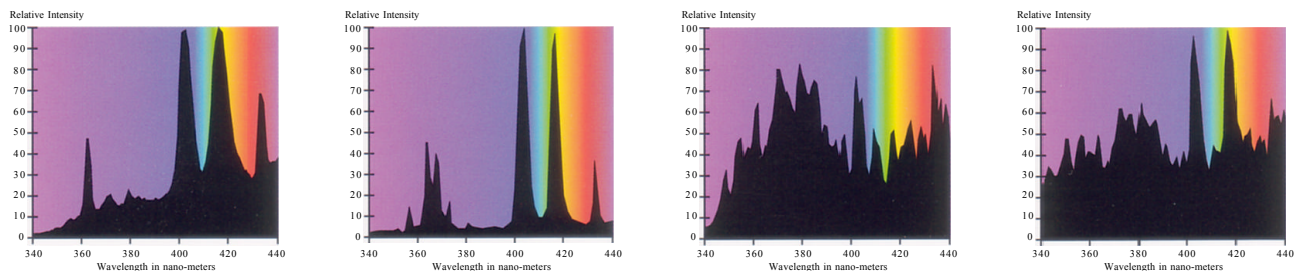
Improved Exposure
Quality & Productivity



OLEC

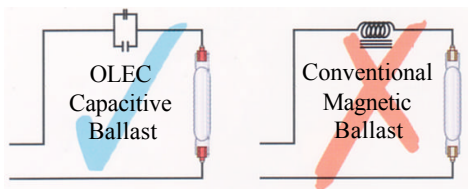
World Leader In Imaging Technology

SPECTRAMATCH™ LAMPS



Spectral Output	Diazo	Diazo/Photopolymer	Photopolymer	Photopolymer/Diazo	L902	L1252	L1282
Model	L1280	L900	L1261	L1281			
Wattage	2,000-8,000	350-950	1,000-5,000	2,000-8,000	400-1,000	1,000-5,000	2,000-8,000
Light Source	AL83	AL13, 14	AL19, 20, 23-53	AL83	AL13	AL23-53	AL83
Lamp End Color	Yellow	Blue	Red				

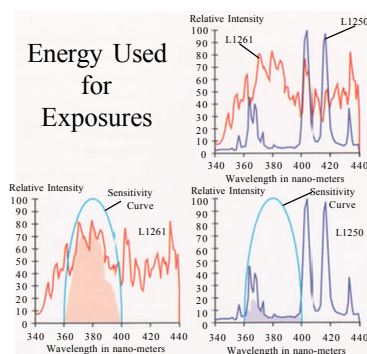
Unlike light bulbs, halide lamps have no filament between lead-in wires to conduct electricity---just a gas. Once this gas is ionized it becomes conductive and a direct connection to power could easily result in a short circuit. For this reason, most gas discharge lamps use an "inductive" ballast of magnetic coils. Unfortunately, this results in a huge influx of current when power is turned on.



OLECs unique Capacitive Ballast Technology gives their lamps a ballast which is tuned to the specific application, thereby saving electricity and lamp life.

As the gas in a lamp heats, it vaporizes the various additives which then effect the spectral color. OLEC lamps are designed with additives that put the greatest amount of energy into the specific

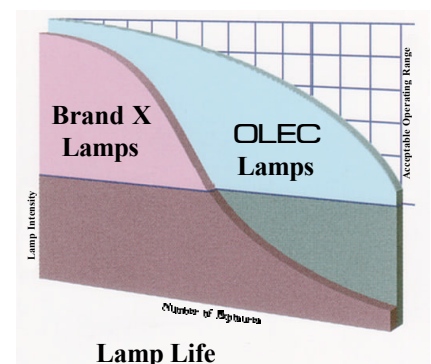
Not all 5 kW lamps are created equal. A mismatched lamp wastes energy, but a lamp matched



to your materials concentrates its energy for fastest exposures. The Efficacy of OLEC SPECTRAMATCH™ Lamps is due in no small part to each lamp being precisely engineered for the task at hand.

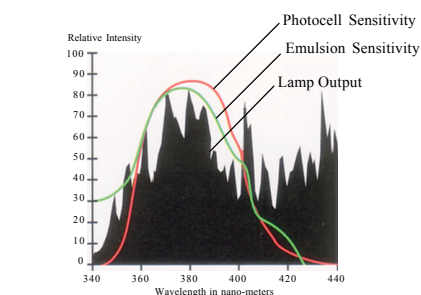
Properly maintained lamps must be operated at precise temperatures (750° - 950° C in the center) to keep all the additives in a vaporized state. While conventional lamps merely blow continuous cool

OLEC lamps will yield about 30,000 exposures in use with approximately 100 exposures per day. Beware of lamps that sell for less but don't give you the consistent quality, exposure speed, and long life you need. The rapid deterioration of Brand X lamps results in lost savings due to the lamps being changed more often.

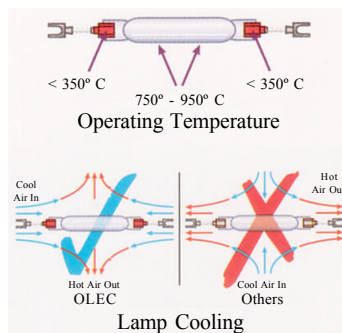


When you consider all the differences, only OLEC lamps offer the highest quality and the best value. Consider again the following:

- OLEC lamps are engineered to the precise requirements of your OLEC exposure system
- OLEC lamps give uniform output, better intensity, and longer lamp life
- OLEC lamps allow you to achieve higher quality
- OLEC lamps may cost less than one penny per exposure.
- Brand X lamps give poor results
- Brand X lamps may cost you money in down time, wasted materials, and safety hazards
- Brand X lamp voids your OLEC warranty.



fight spectrum of the material to be exposed. This Spectral Matching results in the fastest exposure possible, at each wattage level. OLECs SPECTRAMATCH™ colored lamp ends correspond to the lamp's spectral output to help you choose the correct lamp for your application.



air at the hottest part of the lamp, OLECs unique Servo-Controlled Cooling system monitors lamp temperature and sends the optimum amount of cool air in proportion to the demand. This ensures consistent exposures and longer lamp life.

Get the quality you need and the value you demand with OLEC replacement lamps.

SEVEN SECRETS TO LONGER LAMP LIFE

Excess heat or over cooling shortens lamp life. That's why OLEC lamps are servo-cooled for an optimum temperature. And to keep your lamps working longer, try these seven tips:

✓ Reduce room temperature
Maintain lamphead air intake below 92' (320 Q. Be sure hot air is exhausted away from the lamphead to avoid its being sucked back into the air intake. The optional HF 1 exhaust blower effectively removes heat from the room.

✓ Test and clean lamphead blowers
Accumulated dirt on the blower blades blocks air flow and reduces cooling. Cleaning the blades improves cooling. To test blower efficiency, hold a piece of paper near the air intake on the end of the light housing while the unit is idling. If paper is sucked in tight and stays in place, intake is sufficient.

✓ Check reflectors
New reflectors can dramatically shorten exposure time and cool lamps more effectively. OLEC offers a variety of reflectors to deliver light efficiently for different heights and coverage areas. Existing reflectors should be cleaned regularly.

✓ Install lamps with care
To lengthen lamp life, follow installation instructions carefully. For example, tighten thumb screws, and avoid finger oil on the lamp quartz, by using the enclosed glove and alcohol wipe.

✓ Have an authorized technician check your lamp setting upon installation and at regular intervals

Do not open power supply unless you are a qualified technician or electrician. OLEC lights use two voltage adjustments. The first is a capacitor in the power supply. It must be switched to position "I" for lamps with numbers ending in zero, such as the L 1250. Position "2" is for lamps ending in 1 or 2, such as the L 1261. The second adjustment is the potentiometer on the control board that adjusts the lamp and idle voltage. Both adjustments match voltage to each lamp's requirements for optimum performance.

✓ Use spectrum optimized lamps
You can select from OLEC's wide variety of photo polymer and diazo output lamps. Using the right lamp for the job shortens exposure time and boosts productivity.

✓ Specify genuine OLEC lamps
Brand X lamps can cause problems in OLEC equipment. They don't meet OLEC specifications and will void any warranty.

LAMP SELECTION CHART

		APPLICATION		SENSITIZED MATERIALS							OLEC LIGHTS						
LAMP TYPE		COLOR	DARKROOM CONTACT	IMAGESITTING FILMPAPERS	BLUE SENSITIVE (QUARTZ)	UV DAYLIGHT	PLATE MAKING	PRINTED CIRCUIT	SCREEN PRINTING	AL 1CX	AL 1KT	AL 13	AL 1920	AL 23	AL 35	AL 53	AL 83
L1CP	1-100 Watt	WHITE	✓	✓						✓							
L1K3	1-1,000 Watt	WHITE	✓	✓	✓						✓						
L900	400-1,000 Watt	BLUE			✓	✓	✓	✓	✓			✓					
L902	450-1,000 Watt	GREEN			✓	✓	✓	✓	✓			✓					
L1150A	750-1,600 Watt	CLEAR			✓	✓	✓	✓	✓				✓				
L1250	1,000-5,000 Watt	BLUE			✓	✓	✓	✓	✓				✓	✓	✓	✓	
L1261	1,000-5,000 Watt	RED				✓	✓	✓	✓					✓	✓	✓	
L1280	2,000-8,000 Watt	YELLOW				✓	✓	✓	✓								✓
L1281	2,000-8,000 Watt	RED				✓	✓	✓	✓								✓
L1282	2,000-8,000 Watt	GREEN				✓	✓	✓	✓								✓

OLEC LAMPS

BRAND X LAMPS

WHICH REPLACEMENT LAMPS GIVE YOU THE BEST VALUE?

Savings
Down Time
Productivity
Wasted Material
Incompatibility
Light Intensity/Output
Selection
Equipment Problems
Spectral Stability
Your OLEC Warranty

Longer life saves you money
Keep working for a long, long time
Fastest lamps in the industry
Consistently do it right the first time
Engineered to precise specifications
Uniform
Now color coded for easy replacement
No
Through life of product
Protect your investment

Shorter life equals loss of initial savings
Need more frequent replacement
Non-striking lamps waste work time
Variable quality means more re-makes
Results may vary with change of lamps
Often unstable/ends blacken
Vary with supplier
Yes. Possible damage
Can change
VOID!



Look for our name on each genuine OLEC lamp.

Matched Lamps Give You Reliability and Quality

When selecting a lamp for your exposure equipment, ask yourself two vital questions:

1. Is the lamp spectrally matched to the materials being exposed?
2. Is the lamp matched to the equipment being used?

A spectrally mismatched lamp can cause:

- Lower resolution
- Longer exposure times
- Shorter plate runs on press
- Less latitude for over or underexposure

But a lamp should also be matched to the equipment it is in. OLEC lamps and equipment are engineered to work together to optimize exposure.

Using a Brand X lamp in OLEC equipment can cause:

- Shorter lamp life
- Inefficient performance
- Uneven output

According to Ernest Ohlig, OLEC Chairman:

"Because they're used with OLEC equipment, SPECTRAMATCH™ lamps take advantage of an exclusive ballasting system that's quite advanced compared with conventional systems. Mismatching lamps and equipment is like putting mismatched spark plugs in your car—you won't get the best economy or performance."

We couldn't agree more.

The Spectramatch™ Warranty

The SPECTRAMATCH™ warranty protects you in two ways:

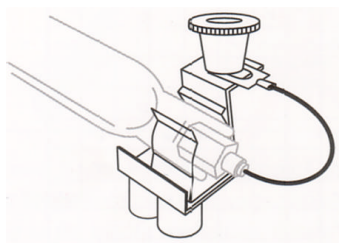
First, we'll credit for a defective lamp.

Second, by inspecting your lamp our factory technicians can diagnose lamp-related problems in your equipment and offer solutions.

If an OLEC SPECTRAMATCH™ lamp fails prematurely when used in an OLEC light, please return it promptly (prepaid) to your authorized OLEC Dealer. Enclose proof of purchase, explain the failure that occurred and approximately how long the lamp had been in use.

If we determine the failure or shortened life was caused by faulty material or craftsmanship, the user will receive full or partial credit. No other manufacturer backs their lamps like OLEC. In fact, using Brand X lamps in OLEC equipment voids OLEC warranties.

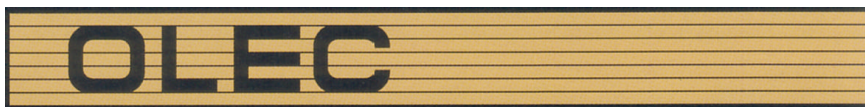
How to install a LAMP.



To ensure proper installation, each SPECTRAMATCH™ lamp comes with detailed instructions, a cotton glove and alcohol wipe. Make sure the horseshoe-shaped spade connectors at each end of the lamp (see diagram) are securely fastened by the thumbscrews. A loose connection can cause arcing, overheating, early lamp failure and permanent damage. A discolored connection may be a sign of damage, so contact OLEC if you have any questions.

www.olec.com

1850 E. St. Andrew Pl., Santa Ana, CA 92705
Phone 714 258 5600 • Fax 714 258 5601



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