



Philips Lighting Company

MATERIAL SAFETY DATA SHEET

PRODUCT: L 1250 - HPM, L 1261 - HPA
(325779, 305581)

Revised: 6/01

SECTION 1: MANUFACTURER

Manufacturer's Name and Address: Philips Lighting Company
A Division of Philips Electronics
North America Corporation
200 Franklin Square Drive
Somerset, NJ 08875

Emergency Telephone No.: (800) 424-9300 CHEMTREC
(732) 563-3197 Environmental

Other Information Calls: (800) PLC-BULB

SECTION 2: HAZARDOUS INGREDIENTS

	OSHA (PEL)	ACGIH (TLV)	%
Mercury (7439-97-6)	.1mg/m ³ Ceiling	.025mg/m ³ 8hr.TWA	<.02
Lead Iodide (10101-63-0) *	.05mg/m ³	< .1mg/m ₃	<.02
Gallium Iodide (13450-91-4)*		NONE ESTABLISHED	<.02
Cobalt (7440-48-4)+	.1 mg/m ₃	NONE EST'D	<.02
Krypton - 85	HPM less than 15 nCi;	HPA less than 50 nCi.	

*HPM Only.

+HPA Only.



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SECTION 3: CHEMICAL/PHYSICAL DATA

These items are light bulbs. . The bulb is quartz. HPA lamps are about 30 cm long; HPM lamps are either 24 or 37 cm long. Other chemical or physical characteristics are not applicable.

SECTION 4: FIRE AND EXPLOSION DATA

THE BULB WALL OF THIS ELECTRICAL DISCHARGE LAMP IS COMPOSED OF QUARTZ AND IS DESIGNED FOR USE ONLY WITH PROPER FIXTURES, IGNITORS AND BALLASTS. THE LAMP OPERATES UNDER HIGH INTERNAL PRESSURE AT VERY HIGH TEMPERATURES AS HIGH AS 950• AND MAY RUPTURE UNEXPECTEDLY. IF RUPTURE OCCURS, DISCHARGE OF EXTREMELY HOT QUARTZ PARTICLES INTO THE ENCLOSURE AND/OR SURROUNDING ENVIRONMENT COULD OCCUR, THEREBY CREATING A RISK OF PERSONAL INJURY, PROPERTY DAMAGE, OR FIRE.

SECTION 5: REACTIVITY DATA

Stability: Envelope is stable.

Incompatibility: Envelope can be affected by oils and fats deposited on surface from fingers. Handling of envelope should only be done with gloves.

While the amount of lead iodide is small and exposure occurs only if the lamp is broken the following incompatibility is noted. Lead iodide is incompatible with hydrogen peroxide, strong oxidizers, sodium and potassium. Fluorine decomposes lead iodide at ambient temperatures, igniting the liberated iodine and generating much heat.



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SECTION 6: HEALTH HAZARD DATA

WARNING: THIS LAMP EMITS SHORTWAVE ULTRAVIOLET RADIATION WHICH IS HARMFUL TO SKIN AND EYES AND CAN CAUSE SERIOUS SKIN BURNS AND EYE INFLAMMATION. USE ONLY IN EQUIPMENT SPECIFICALLY DESIGNED TO REDUCE THE RISK OF PERSONAL INJURY AND PROPERTY DAMAGE RESULTING FROM ARC TUBE RUPTURE AND FROM ULTRAVIOLET RADIATION. IT IS RECOMMENDED THAT THIS LAMP BE USED IN FIXTURES HAVING A SAFETY INTERLOCK SWITCH. LEAD IODIDE IS NOT LISTED AS A CARCINOGEN BY IARC, NTP, OR OSHA.

FIRST AID: If exposure to ultraviolet radiation occurs, it is recommended that an ophthalmologist be consulted.

SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE

WASTE DISPOSAL METHOD: The lamp contains a small amount of mercury - together with a small amount of lead iodide. Under the toxicity characteristic leaching procedure (TCLP) promulgated by the United States E.P.A. tests of used or spent high intensity discharge lamps indicate that these lamps generally are considered to be hazardous when discarded. (Fed. Reg. 7/27/94.) EPA has issued the Universal waste Rule for lamps which fail the TCLP (Fed Reg 7/6/99). More than thirty States now manage lamps under this Rule. The UWR requires recycling or hazardous waste disposal of those lamps which fail TCLP. There are some exemptions which depend on your status, volume and or location. Check with your State Authorities for information to ensure proper waste disposal practice.



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SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE (Cont'd)

Safe Handling: Read and Follow the installation/operating instructions listed below to help reduce risk of personal injury and property damage and help prevent early lamp failure:

- 1) Before lamp installation/replacement, shut power off & allow lamp & fixture to cool to avoid electrical shock & potential burn hazards.
- 2) Protect lamp from abrasions & scratches. Do not install or use cracked or broken lamp. If lamp cracks or breaks in use, disconnect power supply immediately, allow system to cool & remove lamp.
- 3) Do not touch lamp with bare hands. If touched with hands, clean lamp with denatured alcohol and wipe with a lint-free cloth before installing.
- 4) Replace lamp at or before the end of rated life. Allowing lamp to operate until it fails is not recommended and may increase the risk of inner arc tube rupture.
- 5) Use within voltage limits recommended by ballast manufacturer. Do not operate lamp at higher than specified power.
- 6) The permissible maximum operating temperatures (e.g., the pinch temperatures, the temperature of the bulb wall) as indicated on the product leaflet may not be exceeded.
- 7) Lamp should be operated within 10 degrees of the horizontal position to insure maximum operating efficiency.

SECTION 8: SPECIAL PROTECTION DATA

WARNING: THIS LAMP EMITS SHORTWAVE ULTRAVIOLET RADIATION. USE ONLY IN EQUIPMENT DESIGNED TO REDUCE RISK OF PERSONAL INJURY AND PROPERTY DAMAGE. DO NOT LOOK AT OPERATING LAMP WITHOUT PROTECTIVE FIXTURE AND/OR PROTECTIVE GOGGLES. DO NOT USE LAMP IF ULTRAVIOLET FILTER GLASS IS MISSING OR DAMAGED.



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SECTION 9: SPECIAL PRECAUTIONS & COMMENTS

No restrictions as product shipped by truck, air or water. Spent lamps may require D008 RCRA classification. If state adopts universal waste rule, spent lamps can be shipped using common carrier and bills-of-lading. Contact your state environmental agency for guidance.

Prepared: 8/9/95

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