



MATERIAL SAFETY DATA SHEET
PRODUCTS: HIGH INTENSITY DISCHARGE LAMP

07/20/2007

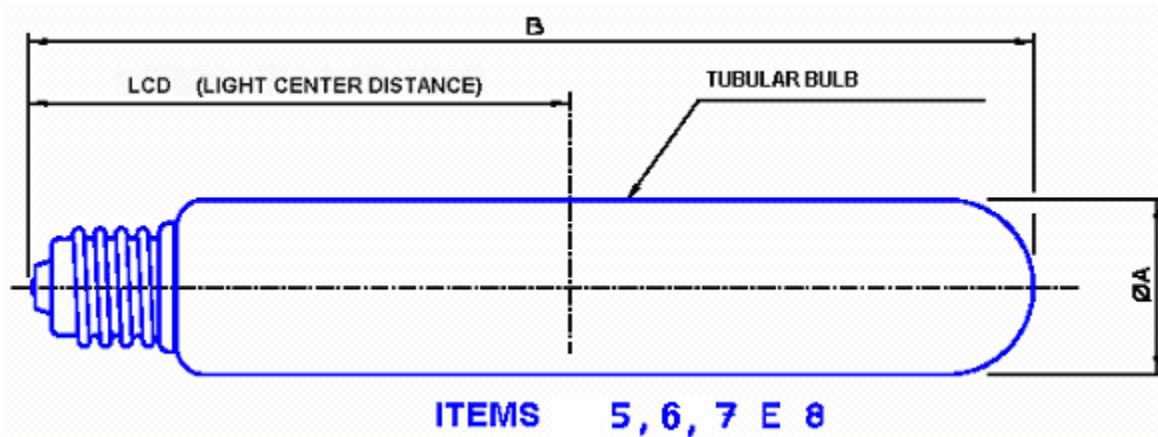
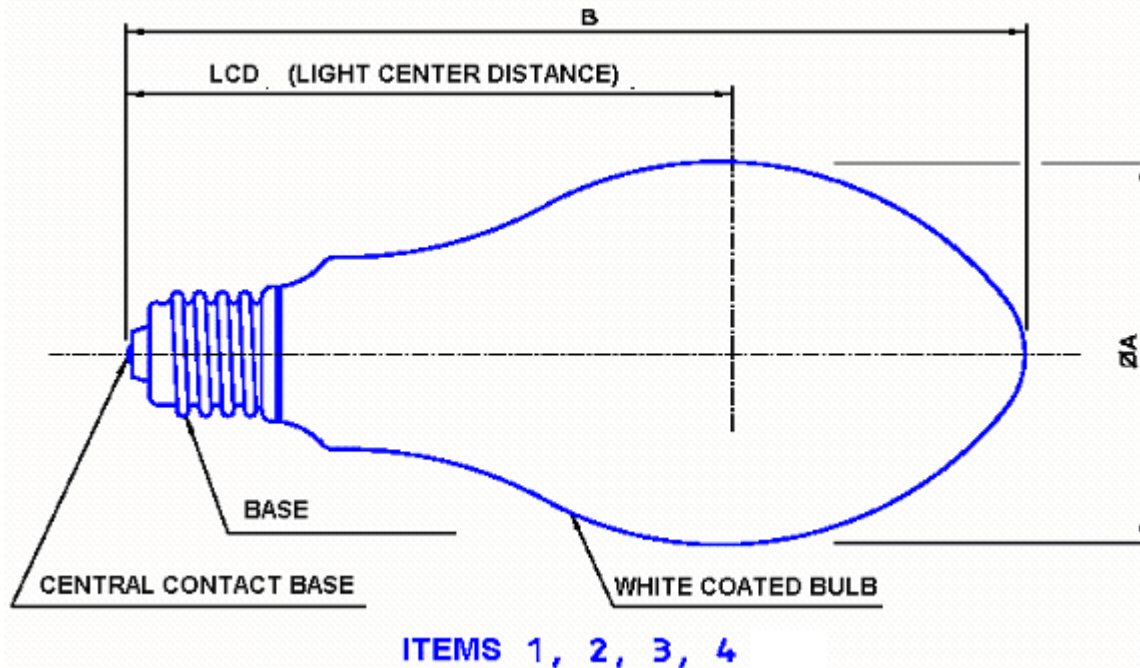
SECTION 1: MANUFACTURER

Manufacturer's Name and Address: Litetronics International Inc.
235 East 171st Street
Harvey, IL 60426
Tel: (800) 860-3392
Fax: (708) 371-0627
www.Litetronics.com

SECTION 2: HAZARDOUS INGREDIENTS

	OSHA (PEL) Mg/m3	ACGIH (TLV) mg/m3	% BY Wt.
Mercury(7439-97-6)	0.1 Ceiling	0.25 8hr. TWA	Less than 0.03%
Iodine97553-56-2)	1.0mg/m3	1.0mg/m3	Less than 0.02%
Lead			Less than 0.025%
Sodium Iodine(NaI)(7681-82-5		None Established	
Inert Ingredients (Glass, Quartz, Metal)			Approx. 97.9% by wgt

SECTION 3: PHYSICAL DATA



ITEM	NOMINAL POWER W	BULB TYPE	ROSCA DA BASE	ØA	B	LCD
①	70	ELLIPTICAL	E27	70±5	150±15	105±10
②	100		E40	73±5	171±15	105±10
③	150			86±5	212±15	140±10
④	250			48±5	196±15	145±10
⑤	100	TUBULAR		48±5	196±15	132±5
⑥	150		48±5	196±15	132±5	
⑦	250		50±10	245±15	158±5	
⑧	400		50±10	277±15	170±5	

SECTION 4: FIRE AND EXPLOSION DATA

This Item is a light bulb, it has no fire data. Under extreme heat, outer jacket might melt or crack.

SECTION 5: REACTIVITY DATA

Stability: Lamp is stable
 Incompatibility: Glass will react with hydrofluoric acid
 Polymerization: Will not happen



SECTION 6: HEALTH HAZADARD DATA

Not applicable to intact lamp. WARNING! These lamps can cause serious skin burn and eye inflammation from short wave ultraviolet radiation if outer jacket of the lamp is broken or punctured, except the open fixture lamp. Certain lamps that will automatically extinguish when the outer jacket is broken are available commercially.

The inner envelope is composed of quartz. Breakage of this envelope may result in some exposure to elemental mercury vapor or iodine compound vapors. No adverse effects are expected from occasional exposure to broken lamps. As a matter of good practice breakage should be avoided prolonged or frequent exposure to broken envelopes should be avoided through the use of the adequate ventilation during disposal of large quantities of lamps.

EMERGENCY FIRST AID: NORMAL FIRST AID PROCEDURE FOR GLASS CUTS IF SUCH HAPPENS THROUGH LAMP BREAKAGE.

SECTION 7 : PRECAUTIONS FOR SAFE HANDLING AND USE

Normal precautions should be taken for collection of broken glass.

Waste disposal method: The arc tube contains a small amount of mercury. A toxic characteristic leachate test conducted on based HID lamps for lead and/or mercury will cause the lamp to be classified as a hazardous waste for mercury and lead. These lamps will come under the Universal Waste Rule published by EPA on July 6, 1999. State regulations will vary. For more information, please visit www.lamprecycle.org. Litetronics International recommends recycling of Metal Halide lamps. The lead used in the solder should pose little risk of exposure under normal use and handling.

SECTION 8: CONTROL MEASURES

Respiratory Protection: Appropriate dust mask should be used if large volumes of lamps are broken for disposal.

Ventilation: Avoid inhalation of any airborne dust. Provide local exhaust when disposing large quantities of lamps.

Hand and eye protection: Appropriate hand and eye protection should be worn when disposing large quantities of lamps or handling broken lamps.



SECTION 9: REGULATORY INFORMATION

For Air Shipment: This lamp will require a manifest of dangerous goods if it is a 1000W or above.

Although Litetronics International Inc., attempts to provide current and accurate information herein, it makes no representation regarding the accuracy or completeness of the information and assumes no liability for any loss, damage or injury of any kind which may result from or arise out of the use of/or reliance on the information by any person

Under the occupational Safety and Health Administration (OSHA) Hazards communication Standard, a lamp (light bulb) is exempted as an "article", and that as such, does not require an MSDS