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Health & Safety Data Sheet

Low pressure Mercury Fluorescent lamps, Type BL & BLB

The lamps emit radiation in the range of 300 to 450nm with a sharply defined peak at 360 - 365nm. The output is thus in the UVA range of wavelengths.

UVA radiation is not visible to the human eye and is not dangerous unless extraordinary lengths are followed. In very much higher intensities UVA can cause burning of the skin and eyes – a similar effect to sunburn. Normal practice is to prevent direct views of lamps in installation procedure, but the intensities in normal use (up to 300mm from the lamp) are many times less than from the sun on a sunny day. Thus only very close exposure to unguarded lamps for considerable times will cause damage to eyes or skin.

It should be noted that the above comments refer to single lamps; arrays of lamps will produce greater intensities which must be accounted for in individual product or installation design.

Disposal

In terms on construction, BL and BLB series lamps are the same as visible fluorescent lights and contain small quantities of mercury. Therefore large batches of lamps should be crushed and disposed of in a suitable site, as recommended by the local authority. Proprietary equipment is available for the crushing of such lamps.

Damage

Accidental breakage of lamps will expose sharp glass edges and the powder coating inside the tube and the small quantity of mercury. Generally, good housekeeping and cleanliness are sufficient in the event of breakage.

Should personal injury occur, no special precautions, other than standard first aid (or whatever treatment is necessary), need to taken. If any problems are suspected, medical attention should be sought.

SPARE PARTS FOR U.V. EXPOSURE UNITS

PART No	POWER	LENGTH PIN-PIN	DIAMETER
170011	8W	300mm	16mm
170012	15W	450mm	25.5mm T8
170002	20W	600mm	37mm T12

LIFE SPAN 6000 HOURS