

Available from:

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ULTRA VIOLET CURE LAMPS

Identification

THORN EMI Ultra Violet cure lamps are high intensity linear ultra violet sources. Designed for use with ultra violet curing inks and applications which involve the ultra violet curing of large coated surfaces.

Performance

The lamps generate substantial quantities of ultra violet radiation with major peaks at 254 and 365 nanometre wavelengths (see spectral distribution chart).

Operation and Maintenance

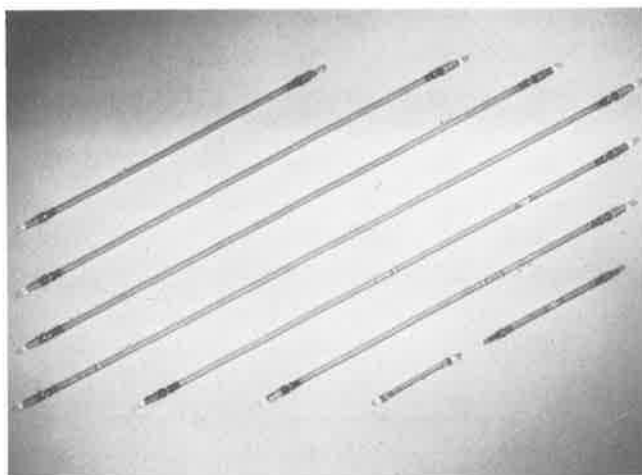
THORN EMI ultra violet cure lamps operate using a special high output transformer (this does not apply to the MBIL 1800 lamp which operates using 4xG53357.T ballasts). The lamps are all rated nominally at 8 amps. Total enclosure of the lamps is necessary as they emit UV'C' and precautions must be taken to prevent stray radiation, which could be harmful to eyes and skin.

Similarly, the lamps emit ozone, therefore the enclosures should be force cooled and extraction should be directly to the outside air.

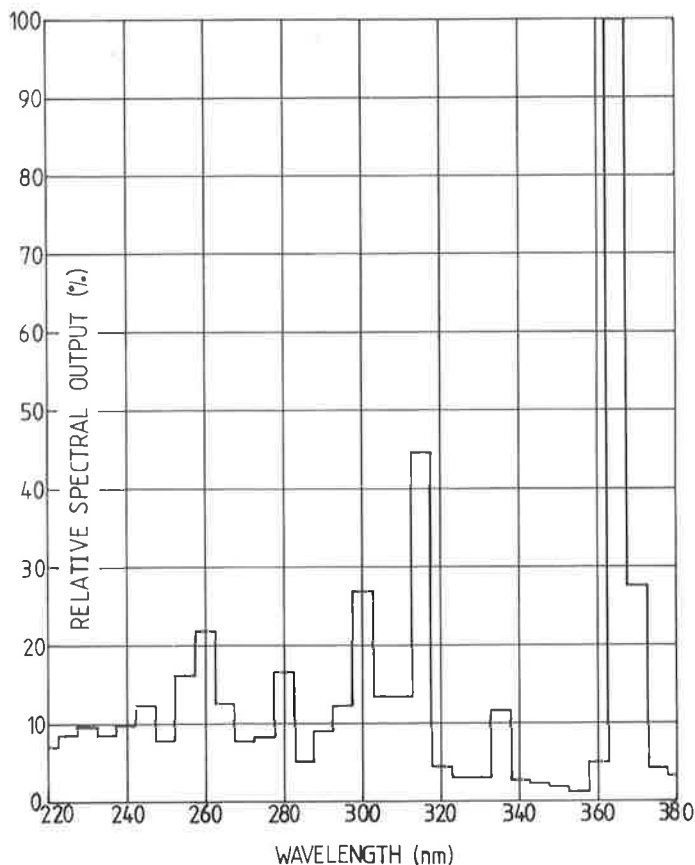
When installed the lamps should be free from contamination, including finger marks, the lamps can be cleaned with a soft cloth moistened with methylated spirit.

Before replacing a lamp, allow sufficient time for the lamp to cool and ensure that before removal the equipment has been isolated from the electricity supply.

All necessary precautions should be observed, when disposing of a THORN EMI ultra violet cure lamp, in accordance with the current Health and Safety at Work Act.



Spectral Distribution Chart



Range Table

Cat. No.	Wattage/Lamp Type	Supply Voltage	Arc length (A) (mm) ± 2mm	Overall length (B) (mm) ± 2mm	Cap
91-7478*	1800W MBIL	220/240 50Hz	190	252	R7s
91-9034	5kW MBL	380/415 Cross phase 50Hz	306	398	14.3mm metal rod (14mm long)
91-9041	7kW MBL	380/415 Cross phase 50Hz	755	880	Pyrophyllite Bobbin with insulated leads
91-9045	9kW MBL	380/415 Cross phase 50Hz	946	1089	Pyrophyllite Bobbin with insulated leads
91-9055	11.5kW MBL	380/415 Cross phase 50Hz	1169	1321	Pyrophyllite Bobbin with insulated leads
91-9060	13kW MBL	380/415 Cross phase 50Hz	1334	1486	Pyrophyllite Bobbin with insulated leads
91-9065	14.5kW MBL	380/415 Cross phase 50Hz	1461	1613	Pyrophyllite Bobbin with insulated leads
91-9080	17kW MBL	380/415 Cross phase 50Hz	1715	1867	Pyrophyllite Bobbin with insulated leads

*All lamps should be operated in the horizontal position except for 91-7478 which operates in both horizontal and vertical positions.

Lamps with alternative arc lengths and overall dimensions are available subject to minimum order quantities. Details on request.

