

SAFE HANDLING PROCEDURES FOR CIRCLITE AND TWIN-TUBE LAMPS

Two different lamps manufactured and/or distributed by the Lighting Business Group use sealed glow switch starter-bottles which contain a very small amount of radioactive material.

The 100/50 Circlite glow switch has a small amount of promethium-147 plated onto one of the electrodes. The radiation (beta rays) cannot penetrate the glass walls of the glow switch and obviously pose no radiation risk. If the Circlite lamp is damaged in such a manner as to break the bottle and expose the switch itself, steps must be taken to prevent any unnecessary close range and extended exposure to this low-level radiation source. Our license requires that damaged 100/50 Circlite lamps not be discarded in the regular trash. Instead the glow switches must be saved for disposal at an approved landfill.

The Moduline Twin-Tube fluorescent (7 & 9 watt) glow switch contains a very small amount of krypton-85 as a part of its fill gas. The krypton-85 is also a low-energy emitter and poses no risk on storage or use. Also, should this lamp be damaged and the glow switch broken, the small amount of gas present would immediately dissipate into the air resulting in an insignificant concentration, posing no risk. Again glow switches from damaged lamps should be saved for later disposal.

These lamps must not be distributed without their appropriate packaging and/or "Use and Care Book".

All Lighting Business Group employees who handle these two products should remain aware of these contents, and avoid any situation which could result in the circumstances described above.

The procedures outlined above are mandatory as a condition of our license with the U.S. Nuclear Regulatory Commission. Customers are exempt from any such requirements.

A. L. Kaplan, Manager
Environmental Control
Operation #1350
LIGHTING RESEARCH & TECHNICAL
SERVICES OPERATION

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