

## PHOTOGRAPHIC FLASH TUBE

# LSD3

Cold cathode xenon-filled discharge tube for use in studio or portable photo-flash equipment.

### MOUNTING POSITION

Any.

### CHARACTERISTICS

Min. anode-to-cathode breakdown voltage 3,000 volts

Following measured at  $V_a=2,500$  volts and energy discharge=100 joules

*Flash duration	100	$\mu$ secs
Peak light output	35	Megalumens
Total light output	3,000	Lumen-secs.
Luminous efficiency	30	Lumens/watt
Effective tube resistance (approx.)	3	ohms

\*Time taken between rise and fall to  $1/e$  (36%) of the peak light output

### OPERATING CONDITIONS

Anode voltage (V)	Capacitance ( $\mu$ F)	Energy discharge (joules)
2,700	27	100
2,500	32	100
2,000	50	100

### LIMITING VALUES (Absolute ratings)

Max. energy discharge	100	joules
Anode voltage limits	2,000 to 2,700	volts
Peak trigger voltage limits	4,000 to 8,000	volts
Min. time between flashes at 100 joules	10	secs.



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