



Pulsed Flash Lamps for Laser Applications

Heraeus has many years of experience in providing DC pulsed flash lamps to leading solid-state laser manufacturers. Heraeus flash lamps normally operate at high average powers with pulse duration from the millisecond regime and repetition rate up to many kilohertz. Heraeus lamps offer high efficiency, stability and long lifetimes.

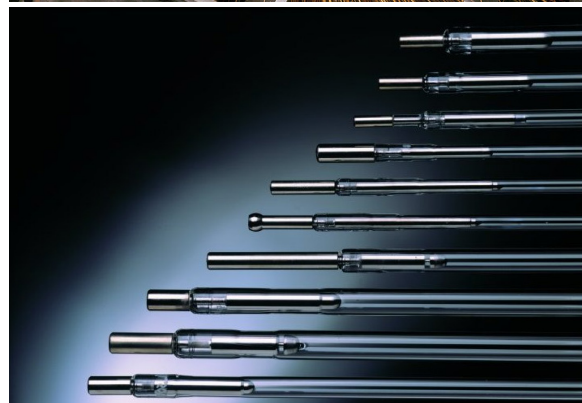
Typical laser applications include precision cutting and drilling, spot welding and mould repair.

Our service commitment for new lamp designs

- Design consultancy with our product experts
- Customized prototype design and quotation completed within 5 days
- Sample lamps delivered in 3 weeks after design approval

Key features of Heraeus flash lamps

- Lamp to lamp consistency
- High standards of manufacturing
- Long lifetime
- Consistent lead times
- Dedicated customer support
- Patented cathode design, Hi-Charge™ series



Technical Data

Lamp type	NL7185	NL7020	NL7105	NL7064	P3591	NL9751A	NL9101	NL9301
Bore (mm)	4	4	5	6	7	7	8	10
Max. Average Power (watts)	2500	2100	4000	3200	9570	3800	9200	8100
Arc Length (mm)	76	102	96	100	170	102	136	152
Overall Length (mm)	153	218	162	190	350	219	215/356	273
Connector Dims (mm)	5.0/13.0	4.75/18.0	wires*	4.75/13.0	5/17	7.14/18.0	special	7.14/18.0
Nominal Maximum Current (A)	420	420	550	700	900	900	1000	1200
K0 (approx..)	24	31	27	21	32	19	21	19
Nominal Simmer Current (mA)	200	200	300	400	500	500	500	1000
Gas Type	Xe	Xe	Xe	Xe	Kr	Xe	Kr	Kr

*maximum non-flex length

Further technical data available on request

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