



Krypton Arc Lamps – KFC Series


Heraeus has many years of experience in providing DC arc lamps to leading solid-state laser manufacturers. Heraeus arc lamps normally operate in constant DC (or CW) mode and offer high pump efficiency, stability and long lifetimes. Arc lamps can also be supplied for Quasi and modulated CW operation. Typical applications include marking, engraving, cutting, drilling, welding, annealing etc. in many industrial and automotive applications. Heraeus work closely with our customers, extensive internal research facilities and external institutes to provide the industry with quality products. Since lifetime and efficiency is system dependant we welcome enquiries on special designs.



Key features of Heraeus KFC lamps:

- Quality raw materials and inspection
- High standards of manufacturing and traceability
- Consistent build quality
- Variety of lamp connections available
- All lamps tested to specification
- Large manufacturing capacity
- Superb customer support
- Excellent technical knowledge
- Highly skilled workforce

Quality Laser Lamp
for Diamond
Processing



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Technical Data of some typical lamps

Lamp type	NL512B	NL5039	NL5028A	NL5142	NL547	NL5075	NL5178	
Bore (mm)	4	4	5	5	6	6	7	
Max wall loading (watts/cm)	400	400	520	520	700	700	800	
Arc Length (mm)	76	102	102	120	150	150	150	
Overall Length (mm)	215	243	193	251*	300	250	325*	*maximum non-flex
Connector dims (mm)	6.35/19.0	6.35/38.0	5.8/17.5	wires	5.9/16.0	6.35/13	wires	
Minimum current (Amps)	7	7	10	10	13	13	17	
Maximum current (Amps)	24	24	33	33	46	46	56	
Operating voltage at nom. Current (volts)	145-155 (A) 156-170(B)	193-207	170-176	220-230	138-152	235-240	195-205	
Nominal current (Amps)	20	20	30	30	40	40	40	

Further technical data available on request

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