

Heraeus

Lamp Part Number : P3295

Bore: 8 mm Arc Length: 78 mm

Description: Air cooled Xenon flash Lamp

Envelope: (cdq/cfq)	cfq : Impedance parameter. (Ko)	11.9	Ohm Amp ^{0.5}
Wall: (.5-1-2 mm)	1 : Explosion const. (Ke)	1.50E+05	Watt sec ^{0.5}
	: Maximum average power.	294	Watts, see note 9
Bore: (mm)	8 : Max peak current. (A)	2011	See note 1
Arc: (mm)	78 : Lamp voltage min. (V)	540	See note 2
	: Lamp voltage max. (V)	1889	See note 3
Gas type: (xe/kr)	xe : Minimum trigger voltage.(Kv)	18	See note 4
Pressure: (torr)	350 : Minimum trigger width.(us)	0.62	See note 5

Note 1: Maximum lamp current for long life applications = 4000 amps cm².

Note 2: Minimum lamp voltage for reliable ignition using external trigger.

Note 3: Maximum lamp voltage for reliable operation with out self flash.

Note 4: Typical external trigger voltage, series trigger voltage similar.

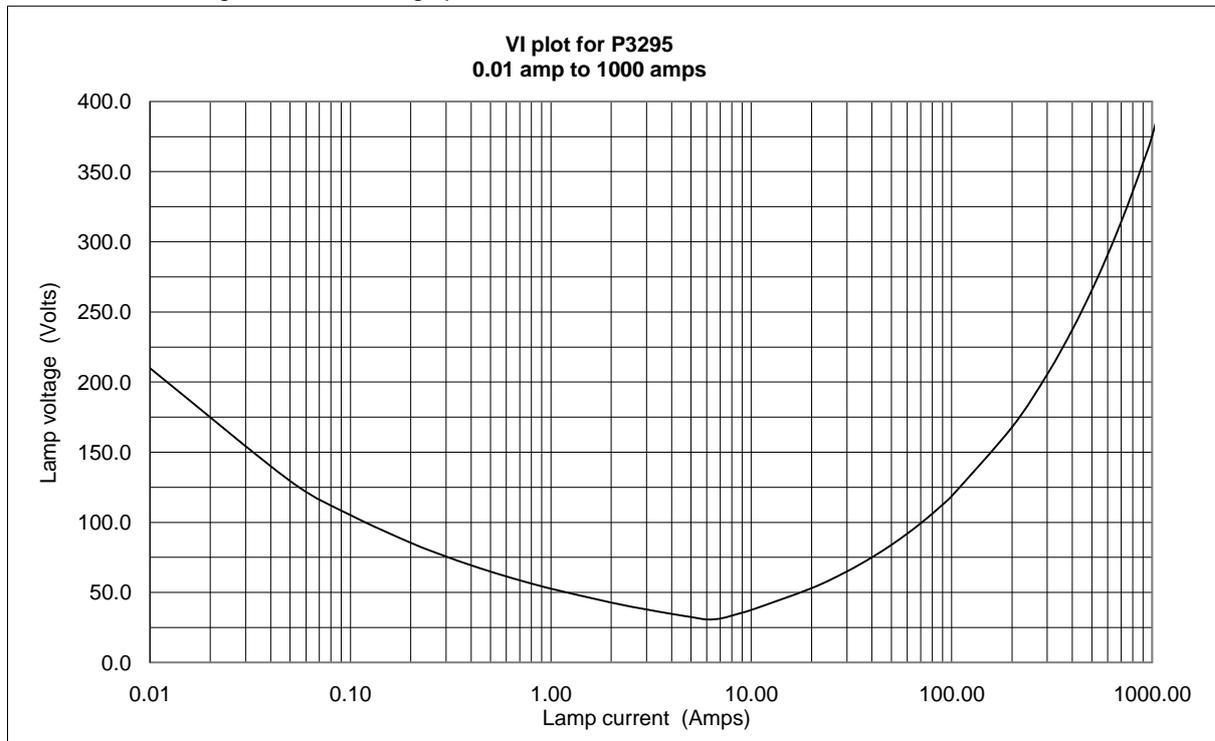
Note 5: Minimum trigger pulse width (us) at minimum trigger voltage.

Note 6: Lamp and trigger voltages assume negative ground lamp supply and negative going trigger pulse.

Note 7: Minimum lamp voltage for reliable ignition will be lower with series trigger.

Note 8: For simmer operation minimum voltage is determined by lamp Ko. (see VI plot)

Note 9: With forced air cooling theoretical average power is doubled.



Assumes Ko remains constant throughout positive slope of operation.

All data based on theory/calculation

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